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New York State Office of People with Developmental Disabilities – Gowanda Site

4 Industrial Place, Gowanda, NY

GROUNDWATER CHARACTERIZATION REPORT-SEPTEMBER 2022 (Q3 2022)

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1.0 INTRODUCTION

Bergmann is submitting this groundwater characterization report for the third quarter 2022 sampling event, conducted on September 29th and 30th, 2022, 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 September 29th and September 30th, 2022. 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. Of the eight (8) monitoring wells determined by the NYSDEC and Bergmann personnel in 2008 to be outside the area of impact by the Groundwater Treatment System (GTS), all were sampled. Monitoring well MW-21 was added to the well sampling plan permanently by NYSDEC to monitor groundwater migration off-site.

The prior groundwater sampling event was conducted in June 2022 and included analysis of groundwater samples from nineteen (19) of twenty-one (21) site-related groundwater monitoring wells and all seven (7) groundwater recovery wells. Monitoring wells MW-4 and MW-17 had hornet nests present, and so were not accessible at the time of the June 2022 sampling event.

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. 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.

Following Interim Remedial Measure (IRM) system installation, the Groundwater Treatment System (GTS) and the Soil Vapor Extraction System (SVES) were activated on May 10, 2005, recovering 2-5 gallons per minute (gpm) of groundwater. An additional groundwater recovery well, designated G-3, was installed outside the building and adjacent to MW-17 in November 2008. The GTS portion consists 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).

In January 2008, the building was decommissioned. The GTS was winterized with the addition of heat tape and insulation to conveyance lines and the installation of an independently operated suspended heater in the treatment area for the GTS and SVES (former Machine Shop). 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 inactivated 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 ISCO 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 September 2022 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 not been required since September 2007, with the exception of the redevelopment activities performed on August 19, 2015, and removal of asphalt from several flush mount wells located on Torrance Place for sampling access. 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 September 2022 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 track 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 twenty-one (21) of the twenty-one (21) site-related groundwater monitoring wells for laboratory analysis on September 29th and September 30th, 2022. 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. Sample parameters 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 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.

Bergmann delivered the groundwater samples to Alpha Analytical's service center in Buffalo, New York. The samples were then transported by courier via a chain-of-custody protocol to Alpha Analytical's NYSELAP certified laboratory located in Westborough, Massachusetts. The samples were then tested for Volatile Organic Compounds (VOCs), using EPA Method 8260C. Analytical results for each individual monitoring well have been posted in Table 3 for comparative purposes from sampling events completed 2012 – 2022.

3.0 LOCAL GROUNDWATER FLOW CHARACTERIZATION

The Site water table potentiometric surface pattern and groundwater flow direction was determined for September 2022 using elevations measured at each well. Groundwater elevations and well reference elevations were calculated using depth to water values obtained on September 29th and September 30th, 2022. The well gauging values and groundwater elevations are provided in Table 1 – Groundwater Elevations and Field Measurements – September 2022.

The September 2022 groundwater table map shows a flow pattern similar to groundwater flow pattern observed historically since 2002. Groundwater at the Site is flowing 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 September 2022 depths to groundwater range from 5.43 feet (ft) below top of outer casing (btoc) at MW-2, to 12.90 ft. btoc at MW-6. The average depth to groundwater at the wells measured was 8.86 ft btoc, which is a decrease from the average depth to water of the previous sampling event in June of 2022 (9.92 ft btoc).

The site-wide average depth to water table increased by approximately 1.06 ft when compared to the previous sampling event from June 2022. This increase 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 September 2022 Groundwater Elevation Contours are presented on Figure 1 – September 2022 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 September 29th and September 30th, 2022. Samples were analyzed for VOCs via EPA Method 8260C. 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 CVOCs detected, but are exclusively representative of the sum of TCE, Cis-DCE TRANS-1,2-DCE, VC, and TCA detected.

4.2 MONITORING WELL GROUNDWATER ANALYSIS SUMMARY

The September 2022 analytical results indicate detection of four (4) chlorinated VOCs in monitoring well samples: TCE, Cis-DCE, VC and Trans-1,2-DCE. Chlorinated VOCs were detected in groundwater samples from fifteen (15) of the twenty-one (21) monitoring wells sampled. Analytical results are summarized in Table 2 – September 2022 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 September 2022 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 six (6) of the sampled monitoring wells.

Groundwater samples from ten (10) monitoring wells had detectable chlorinated VOCs at concentrations above applicable Class GA Standards. The monitoring well with the highest CVOCs, MW-1, with a value of 1002.30 parts per billion (ppb), is located in the area of historically greatest impacted groundwater.

Concentrations in seven (7) of the twenty-one (21) monitoring well groundwater samples increased when compared to the June 2022 sampling event while concentrations in eight (8) of the twenty-one (21) monitoring well groundwater samples decreased. Concentrations for MW-17 were compared to the March 2022 result, due to MW-17 not having been sampled during the June 2022 sampling event. The concentrations of CVOCs in six (6) monitoring wells remain unchanged. The current sampling analytical results indicate an average site-wide decrease in CVOCs of approximately 86.28% since the activation of the GTS in May 2005.

The area of highest concentration of CVOCs groundwater is in the area centered between monitoring wells MW-1 and MW-11, which has historically concentrations of CVOCs have been detected and is inferred as the source area of impacted groundwater.

In the source area of the plume (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 an average of approximately 70.39% monitoring of these wells since 2002.

The CVOC concentrations increased at monitoring well MW-1 relative to the prior sampling event. The CVOC concentration at monitoring well MW-1 for the September 2022 sampling event was 1,002.30 parts per billion

(ppb), an increase from the June 2022 value of 529.40 ppb. Since activation of the GTS, detected VOCs at MW-1 have increased by 30.51%.

Monitoring well MW-11 increased in targeted chlorinated VOCs relative to the prior sampling event. The CVOC concentration at MW-11 for the September 2022 sampling event is 350 ppb, an increase from the June 2022 value of 200.1 ppb. Since activation of the GTS in May 2005, detected VOCs at MW-11 have decreased by 92.47%.

Monitoring well MW-12 decreased in targeted chlorinated VOCs relative to the prior sampling event. The CVOC concentration at MW-12 for the September 2022 sampling event is 78.30 ppb, a decrease from the June 2022 value of 168.10 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, detected VOCs at MW-12 have decreased by 99.38%.

Monitoring well MW-13 decreased in targeted chlorinated VOCs relative to the prior sampling event. The CVOC concentration at monitoring well MW-13 for the September 2022 sampling event was 0.96 ppb, a decrease from the June 2022 sampling event, which was 2.06 ppb. Since activation of the GTS, detected VOCs at MW-13 have decreased by 99.70%.

Monitoring well MW-14 increased in targeted chlorinated VOCs relative to the prior sampling event. The CVOC concentration at MW-14 for the September 2022 sampling event is 91.90 ppb, an increase from the June 2022 value of 31.00 ppb. MW-14 is nearest to recovery well DR-3. Since activation of the GTS in May 2005 detected VOCs at MW-14 have decreased by 70.84%

Monitoring well MW-15 decreased in targeted chlorinated VOCs relative to the prior sampling event. The CVOC concentration at MW-15 for the September 2022 sampling event was 3.70 ppb, a decrease from the June 2022 sampling event, which was 14.10 ppb. MW-15 is nearest to recovery well DR-4. Since activation of the GTS in May 2005, the detected VOCs at MW-15 have decreased by 99.49%.

Monitoring well MW-20 had no change in targeted chlorinated VOCs relative to the prior sampling event. The CVOC concentration at MW-20 for the September 2022 sampling event was non-detect, which was no change from the June 2022 sampling event, which was also non-detect. Since activation of the GTS in May 2005, the detected VOCs at MW-20 have decreased by 100.00%.

Six (6) groundwater monitoring wells are located along the subject property'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 increase in targeted CVOCs at the sampled monitoring wells along the north perimeter, compared to the June 2022 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 radius of influence for the Day Habilitation groundwater treatment system. The current analytical results indicate a CVOC concentration of 7.01 ppb 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. It was first noted that during the August 2017 sampling event that wells MW-19R and MW-21 were not sampled because they were inaccessible. It was observed that the wells were likely paved over by a re-sealing of the Torrance Place road surface. These wells were uncovered after the July 2019 sampling event, and subsequent sampling events. Well MW-19R had a CVOC concentration of 0.22 ppb, and well MW-21 had a CVOC concentration of 25.48 ppb during the September 2022 sampling event.

Laboratory analytical reports are included in Appendix A. Monitoring well locations and distribution of analytical results are shown on Figure 2 – September 2022 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. The current results indicate 0.22 ppb for MW-19R and non-detect ppb for 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 impacted groundwater plume may be migrating to an area near Industrial Place and has intermittently impacted MW-19R. The Gowanda Electronics impacted 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 September 2022 sampling event, all of the seven (7) recovery wells were sampled.

The September 2022 analytical results indicate detection of chlorinated VOCs 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 89.08% relative to concentrations prior to GTS activation in 2002. Relative percent increase in CVOCs for all monitoring wells and recovery wells are shown on Table 4 – Percent Reductions in Total Groundwater CVOCs.

Recovery well DR-1 decreased in targeted chlorinated VOCs relative to the prior sampling event. The CVOC concentration at DR-1 for the September 2022 sampling event is 225.80 ppb, a decrease from the June 2022 value of 341.00 ppb. The current sampling event indicates a decrease in CVOCs at DR-1 of 97.18% since activation of the GTS. Recovery well DR-1 is located closest to MW-1 in an area of historically highest concentrations.

Recovery well DR-2 increased in targeted chlorinated VOCs relative to the prior sampling event. The CVOC concentration at DR-2 for the September 2022 sampling event is 128.70 ppb, an increase from the June 2022 value of 100.15 ppb. The current sampling event indicates a decrease in CVOCs at DR-2 of 93.57% since activation of the GTS.

Recovery well DR-3 decreased in targeted chlorinated VOCs relative to the prior sampling event. The CVOC concentration at DR-3 for the September 2022 sampling event is 76.05 ppb, a decrease from the June 2022 value of 85.71 ppb. The current sampling event indicates a decrease in CVOCs at DR-3 of 94.82% since activation of the GTS.

Recovery well DR-4 increased in targeted chlorinated VOCs relative to the prior sampling event. The CVOC concentration at DR-4 for the September 2022 sampling event is 31.25 ppb, an increase from the June 2022 value of 24.4 ppb. The current sampling event indicates a decrease in CVOCs at DR-4 of 98.22% since activation of the GTS.

Recovery well G-1 increased in targeted chlorinated VOCs relative to the prior sampling event. The CVOC concentration at G-1 for the September 2022 sampling event was 87.50 ppb, an increase from the June 2022

value of 41.98 ppb. The current sampling event indicates a decrease in CVOCs at G-1 of 93.92% since activation of the GTS.

Recovery well G-2 decreased in targeted chlorinated VOCs relative to the prior sampling event. The CVOC concentration at G-2 for the September 2022 sampling event was 33.91 ppb, a decrease from the June 2022 value of 67.69 ppb. The current sampling event indicates a decrease in CVOCs at G-2 of 91.19% since activation of the GTS.

Recovery well G-3 increased in targeted chlorinated VOCs relative to the prior sampling event. The CVOC concentration at G-3 for the September 2022 sampling event was 182.69 ppb, an increase from the June 2022 value of 160.51 ppb. The current sampling event indicates a decrease in CVOCs at G-3 of 54.67% since activation of the GTS.

Laboratory analytical results are included in Appendix A. Recovery well locations and analytical results are shown on Figure 3 – September 2022 Distribution of Groundwater Analytical Results: Recovery Wells.

4.5 QUALITY ASSURANCE AND QUALITY CONTROL SAMPLES

An equipment blank was collected. The analytical results for this equipment blank were non-detect. A trip blank was supplied by the laboratory for the September 2022 sampling event and was analyzed and was non-detect for CVOCs. A field duplicate (labeled as MW-X) was taken from DR-1. The results of this field duplicate were generally consistent with the results of the sample labeled DR-1.

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). Since activation of the GTS in May 2005, all seven (7) sampled groundwater recovery wells have demonstrated a general decrease in CVOC concentration.

Chart 2 displays the relationship between monitoring wells MW-1, MW-11, and recovery well DR-1. The current CVOCs at MW-1 (1,002.30 ppb) show an increase from the June 2022 sampling event (529.40 ppb). The current CVOCs at MW-11 (350 ppb) show an increase from the June 2022 sampling event (200.1 ppb). The current CVOCs at DR-1 (225.80 ppb) show a decrease from the June 2022 sampling event (341.00 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 impacted area. The current CVOCs at MW-12 (78.30 ppb) show a decrease from the June 2022 sampling event (168.10 ppb). The current CVOCs at recovery well DR-2 (128.70 ppb) show an increase from the June 2022 sampling event (100.15 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 (91.90 ppb) show an increase from the June 2022 sampling event (31.00 ppb). The current CVOCs at recovery well DR-3 (76.05 ppb) show a decrease from the June 2022 sampling event (85.71 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 (3.70 ppb) show a decrease from the June 2022 sampling event (14.10 ppb). The current CVOCs at recovery well DR-4 (31.25 ppb) show an increase from the June 2022 sampling event (24.4 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 September 2022 sampling event CVOCs at recovery well MW-17 (172.22 ppb) showed an increase from the March 2022 sampling event (85.32 ppb). The current CVOCs at recovery well G-1 (87.50 ppb) show an increase from the June 2022 sampling event (41.98 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 33.91 ppb, which shows a decrease from the June 2022 sampling event (67.69 ppb). The September 2022 CVOCs of MW-7 (8.76 ppb) show a decrease from the June 2022 sampling event (30.26 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 September 2022 CVOCs at monitoring well MW-17 (172.22 ppb) showed an increase from the March 2022 sampling event (85.32 ppb). The current CVOCs at recovery well G-3 (182.69 ppb) show an increase from the June 2022 sampling event (160.51 ppb).

5.2 EXTENT OF IMPACTED GROUNDWATER

The area of highest impacted groundwater is consistent with prior sampling events. 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. The concentration of VOCs 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.

VOCs were not sampled at MW-19R and MW-21 during the July 2019 and June 2018 sampling events due to being paved over and inaccessible, as first reported by Bergmann in the August 2017 Sampling Report. These two (2) monitoring wells have since been uncovered and began to be sampled again starting with the August 2019 sampling event. VOCs were not sampled at MW-4 and MW-17 during the June 2022 sampling event due to the presence of hornet nests in these wells but were sampled during the September 2022 sampling event. The analytical results are summarized in Table 5.

The redevelopment of wells was performed in the fall of 2015 to remove sediment from wells at the Site after the ISCO injections. 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 inactivated 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 Q4 2022. 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 September 2022
Gowanda Day Habilitation Center
4 Industrial Place, Gowanda, New York
VCA # V-00463-9

	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)	5.50	5.43	5.75	6.40	10.40	12.90	12.84	9.22	8.98	6.60
Groundwater Elevation	772.73	772.65	772.63	772.03	768.21	768.20	768.10	772.11	773.63	773.42
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	10.52	11.72	10.55	9.38	3.55	9.98	8.96	8.43	11.98	12.84
Minimum Purge Volume (gal)	1.71	1.91	1.72	1.53	0.58	1.63	1.5	1.37	1.95	2.1
3 Volumes	5.14	5.73	5.16	4.587	1.74	4.88	4.38	4.12	5.86	6.28
Actual volume purged	5.25	5.75	5.25	4.75	1.75	5.00	4.50	4.25	6.00	6.33
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'

	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)	5.78	6.02	6.10	9.92	9.72	12.56	12.65	8.50	7.1	8.80	8.8
Groundwater Elevation	772.80	772.48	772.29	768.51	768.66	767.87	767.20	767.89	767.1	769.24	765.96
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	9.70	11.36	11.30	8.23	10.08	10.70	12.53	16.50	10.57	5.95	7.02
Minimum Purge Volume (gal)	1.58	1.85	1.84	1.34	1.64	1.7	2.04	2.69	1.7	1.0	1.1
3 Volumes	4.74	5.56	5.53	4.02	4.93	5.23	6.13	8.07	5.17	2.91	3.43
Actual volume purged	4.75	5.75	5.75	4.25	5.00	5.25	6.25	8.25	5.25	3.00	3.50
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'

	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)	6.91	6.61	11.27	11.11	11.38	11.32	9.65
Groundwater Elevation	772.75	773.32	768.51	768.53	768.45	768.40	769.77
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	11.15	11.45	9.18	8.58	11.60	9.40	8.50
Minimum Purge Volume (gal)	7.28	7.48	5.99	5.60	7.57	6.14	5.55
3 Volumes	21.843	22.43	17.98	16.81	22.72	18.41	16.65
Actual volume purged	22.00	22.50	18.0	17.00	22.75	18.50	16.75
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 September 2022 Analytical Results Summary
Gowanda Day Habilitation Center
4 Industrial Place, Gowanda, New York
VCA # V-00463-9

Monitoring Well MW-1 Sample Date: 9/30/2022
Sampling Events

Analyte in ppb	Jun 2022	Sep 2022	NYS Guidance Value
TCE	**400.00**	**860**	5.0
CIS	**120.00**	**130**	5.0
TRANS	**5.3**	**11**	5.0
VC	4.10	1.3	2.0
TCA	ND	ND	5.0
Total VOCs	**529.40**	**1002.3**	

Monitoring Well MW-2 Sample Date: 9/30/2022
Sampling Events

Analyte in ppb	Jun 2022	Sep 2022	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: 9/30/2022
Sampling Events

Analyte in ppb	Jun 2022	Sep 2022	NYS Guidance Value
TCE	0.29	0.22	5.0
CIS	0.75	0.92	5.0
TRANS	ND	ND	5.0
VC	ND	ND	2.0
TCA	ND	ND	5.0
Total VOCs	1.04	1.14	

Monitoring Well MW-4 Sample Date: 9/30/2022
Sampling Events

Analyte in ppb	Jun 2022	Sep 2022	NYS Guidance Value
TCE	NS	ND	5.0
CIS	NS	ND	5.0
TRANS	NS	ND	5.0
VC	NS	ND	2.0
TCA	NS	ND	5.0
Total VOCs	NS	ND	

Monitoring Well MW-5 Sample Date: 9/30/2022
Sampling Events

Analyte in ppb	Jun 2022	Sep 2022	NYS Guidance Value
TCE	1.00	0.75	5.0
CIS	ND	ND	5.0
TRANS	ND	ND	5.0
VC	ND	ND	2.0
TCA	ND	ND	5.0
Total VOCs	1.00	0.75	

Monitoring Well MW-6 Sample Date: 9/30/2022
Sampling Events

Analyte in ppb	Jun 2022	Sep 2022	NYS Guidance Value
TCE	ND	ND	5.0
CIS	**42.00**	**54**	5.0
TRANS	ND	ND	5.0
VC	**47.00**	**130**	2.0
TCA	ND	ND	5.0
Total VOCs	**89.00**	**184**	

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 September 2022 Analytical Results Summary
Gowanda Day Habilitation Center
4 Industrial Place, Gowanda, New York
VCA # V-00463-9

Monitoring Well MW-7 Sample Date: 9/29/2022
Sampling Events

Analyte in ppb	Jun 2022	Sep 2022	NYS Guidance Value
TCE	0.77	0.46	5.0
CIS	**29.00**	**8.3**	5.0
TRANS	ND	ND	5.0
VC	0.49	ND	2.0
TCA	ND	ND	5.0
Total VOCs	**30.26**	**8.76**	

Monitoring Well MW-8 Sample Date: 9/29/2022
Sampling Events

Analyte in ppb	Jun 2022	Sep 2022	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: 9/30/2022
Sampling Events

Analyte in ppb	Jun 2022	Sep 2022	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: 9/30/2022
Sampling Events

Analyte in ppb	Jun 2022	Sep 2022	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: 9/29/2022
Sampling Events

Analyte in ppb	Jun 2022	Sep 2022	NYS Guidance Value
TCE	**95.00**	**200**	5.0
CIS	**98.00**	**140**	5.0
TRANS	**3.3**	**8.2**	5.0
VC	**3.80**	1.8	2.0
TCA	ND	ND	5.0
Total VOCs	**200.1**	**350**	

Monitoring Well MW-12 Sample Date: 9/29/2022
Sampling Events

Analyte in ppb	Jun 2022	Sep 2022	NYS Guidance Value
TCE	**25.00**	**23**	5.0
CIS	**140.00**	**54**	5.0
TRANS	1.40	1.2	5.0
VC	**1.70**	0.10	2.0
TCA	ND	ND	5.0
Total VOCs	**168.10**	**78.30**	

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 September 2022 Analytical Results Summary
Gowanda Day Habilitation Center
4 Industrial Place, Gowanda, New York
VCA # V-00463-9

Monitoring Well MW-13 Sample Date: 9/29/2022
Sampling Events

Analyte in ppb	Jun 2022	Sep 2022	NYS Guidance Value
TCE	1.20	0.96	5.0
CIS	0.86	ND	5.0
TRANS	ND	ND	5.0
VC	ND	ND	2.0
TCA	ND	ND	5.0
Total VOCs	2.06	0.96	

Monitoring Well MW-14 Sample Date: 9/29/2022
Sampling Events

Analyte in ppb	Jun 2022	Sep 2022	NYS Guidance Value
TCE	**20.0**	**9.7**	5.0
CIS	**11.0**	**81**	5.0
TRANS	ND	ND	5.0
VC	ND	1.2	2.0
TCA	ND	ND	5.0
Total VOCs	**31.00**	**91.9**	

Monitoring Well MW-15 Sample Date: 9/29/2022
Sampling Events

Analyte in ppb	Jun 2022	Sep 2022	NYS Guidance Value
TCE	**8.70**	3.7	5.0
CIS	**5.4**	ND	5.0
TRANS	ND	ND	5.0
VC	ND	ND	2.0
TCA	ND	ND	5.0
Total VOCs	**14.1**	3.7	

Monitoring Well MW-16 Sample Date: 9/29/2022
Sampling Events

Analyte in ppb	Jun 2022	Sep 2022	NYS Guidance Value
TCE	0.29	0.42	5.0
CIS	**41.00**	**9.3**	5.0
TRANS	ND	ND	5.0
VC	0.50	ND	2.0
TCA	ND	ND	5.0
Total VOCs	**41.79**	**9.72**	

Monitoring Well MW-17 Sample Date: 9/29/2022
Sampling Events

Analyte in ppb	Jun 2022	Sep 2022	NYS Guidance Value
TCE	NS	**12**	5.0
CIS	NS	**160**	5.0
TRANS	NS	ND	5.0
VC	NS	0.22	2.0
TCA	NS	ND	5.0
Total VOCs	NS	**172.22**	

Monitoring Well MW-18 Sample Date: 9/30/2022
Sampling Events

Analyte in ppb	Jun 2022	Sep 2022	NYS Guidance Value
TCE	0.50	0.82	5.0
CIS	8.8	**6.1**	5.0
TRANS	ND	ND	5.0
VC	0.13	0.09	2.0
TCA	ND	ND	5.0
Total VOCs	**9.43**	**7.01**	

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 September 2022 Analytical Results Summary
Gowanda Day Habilitation Center
4 Industrial Place, Gowanda, New York
VCA # V-00463-9

Monitoring Well MW-19R Sample Date: 9/30/2022
Sampling Events

Analyte in ppb	Jun 2022	Sep 2022	NYS Guidance Value
TCE	0.32	0.22	5.0
CIS	ND	ND	5.0
TRANS	ND	ND	5.0
VC	ND	ND	2.0
TCA	ND	ND	5.0
Total VOCs	0.32	0.22	

Monitoring Well MW-20 Sample Date: 9/30/2022
Sampling Events

Analyte in ppb	Jun 2022	Sep 2022	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: 9/30/2022
Sampling Events

Analyte in ppb	Jun 2022	Sep 2022	NYS Guidance Value
TCE	1.4	1.5	5.0
CIS	**4.8**	**23**	5.0
TRANS	ND	ND	5.0
VC	0.15	0.98	2.0
TCA	ND	ND	5.0
Total VOCs	**6.35**	**25.48**	

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 September 2022 Analytical Results Summary
Gowanda Day Habilitation Center
4 Industrial Place, Gowanda, New York
VCA # V-00463-9

Recovery Well DR-1 Sample Date: 9/29/2022
Sampling Events

Analyte in ppb	Jun 2022	Sep 2022	NYS Guidance Value
TCE	**260**	**200**	5.0
CIS	**79**	**23**	5.0
TRANS	ND	2.8	5.0
VC	**2.00**	ND	2.0
TCA	ND	ND	5.0
Total VOCs	**341.00**	**225.8**	

Recovery Well DR-2 Sample Date: 9/29/2022
Sampling Events

Analyte in ppb	Jun 2022	Sep 2022	NYS Guidance Value
TCE	**17.0**	**17**	5.0
CIS	**77**	**110**	5.0
TRANS	0.75	1.0	5.0
VC	**5.4**	0.7	2.0
TCA	ND	ND	5.0
Total VOCs	**100.15**	**128.7**	

Recovery Well DR-3 Sample Date: 9/29/2022
Sampling Events

Analyte in ppb	Jun 2022	Sep 2022	NYS Guidance Value
TCE	**23**	**23**	5.0
CIS	**61**	**51**	5.0
TRANS	0.93	0.75	5.0
VC	0.8	1.3	2.0
TCA	ND	ND	5.0
Total VOCs	**85.71**	**76.05**	

Recovery Well DR-4 Sample Date: 9/29/2022
Sampling Events

Analyte in ppb	Jun 2022	Sep 2022	NYS Guidance Value
TCE	**18**	**20**	5.0
CIS	**6.4**	**11**	5.0
TRANS	ND	ND	5.0
VC	ND	0.25	2.0
TCA	ND	ND	5.0
Total VOCs	**24.4**	**31.25**	

Recovery Well G-1 Sample Date: 9/29/2022
Sampling Events

Analyte in ppb	Jun 2022	Sep 2022	NYS Guidance Value
TCE	**5.4**	4.3	5.0
CIS	**36**	**82**	5.0
TRANS	ND	ND	5.0
VC	0.58	1.2	2.0
TCA	ND	ND	5.0
Total VOCs	**41.98**	**87.5**	

Recovery Well G-2 Sample Date: 9/29/2022
Sampling Events

Analyte in ppb	Jun 2022	Sep 2022	NYS Guidance Value
TCE	0.39	0.5	5.0
CIS	**66.0**	**33**	5.0
TRANS	ND	ND	5.0
VC	1.30	0.41	2.0
TCA	ND	ND	5.0
Total VOCs	**67.69**	**33.91**	

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 September 2022 Analytical Results Summary
Gowanda Day Habilitation Center
4 Industrial Place, Gowanda, New York
VCA # V-00463-9

Recovery Well G-3 Sample Date: 9/29/2022
Sampling Events

Analyte in ppb	Jun 2022	Sep 2022	NYS Guidance Value
TCE	**19**	**21**	5.0
CIS	**140**	**160**	5.0
TRANS	1.3	1.3	5.0
VC	0.21	0.39	2.0
TCA	ND	ND	5.0
Total VOCs	**160.51**	**182.69**	

Duplicate Blank (DR-1) Sample Date: 9/29/2022
Sampling Events

Analyte in ppb	Sep 2022	NYS Guidance Value
TCE	**190**	5.0
CIS	**23**	5.0
TRANS	2.8	5.0
VC	ND	2.0
TCA	ND	5.0
Total VOCs	**215.8**	

Equipment Blank Sample Date: 9/30/2022
Sampling Events

Analyte in ppb	Jun 2022	Sep 2022	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 Day Habilitation Center
4 Industrial Place, Gowanda, New York
VCA # V-00463-9

MONITORING WELLS

Monitoring Well Number	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	1,002.30	529.40	382.59	980.46	404.62	928.9	344.7	1020.0	991.8	993.5	1009	698	1,081	1,080	1,190	1,110	374	1013	1,210	1,467	838	580	1,530	1,470	350	430	300	420	990	990	1,740	830	910	1,440	528	889
MW-2	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	1.14	1.04	0.25	ND	ND	1.31	1.14	ND	0.3	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
MW-4	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
MW-5	0.75	1.00	0.60	1.20	1.50	0.79	1.60	ND	0.51	0.42	0.47	0.52	0.9	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-6	184.00	89.00	92.21	112.0	95.00	78.00	81.20	66.0	79.41	64.8	99.1	92.64	86.63	81	84	77	76	100	91	87	120	100	120	96	86	81	110	110	96	94	130	99	93	99	86.7	85.7
MW-7	8.76	30.26	33.06	29.15	102.37	94.74	173.67	ND	73.89	1.16	55.58	39	27.83	ND	ND	ND	ND	5.8	29	110	62	83	49	130	58	ND	180	190	29	ND	ND	18	ND	ND	151.56	30.5
MW-8	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-9	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-10	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
MW-11	350.00	200.10	420.6	495.4	386.9	490.7	546.5	584.0	1274	604.5	699.3	937.4	1,059	489.3	282	489	1,160	470	525	646	445	550	1,060	630	444	500	451	375	450	710	880	510	570	790	498	617
MW-12	78.30	168.10	271.90	125.4	65.86	65.88	60.05	84	147.03	116.54	54	54.48	79	53	25	100	113	31	40	7.1	7.8	15.8	28.8	52	97	120	126	136	200	212	173	149.3	186.6	142	86.5	148.22
MW-13	0.96	2.06	5.11	1.83	0.95	2.40	1.34	ND	2.7	3.4	2.1	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
MW-14	91.90	31.00	104.45	91.86	84.40	20.80	63.4	13.0	18.2	34	33	26.5	25.9	30.7	22.3	22.8	28	38	22.1	76	100	57	81	96	52	99	68	68	54	73	94	49	71	47	39.7	76.6
MW-15	3.70	14.10	9.4	15.6	24.80	2.6	25.8	ND	5.0	2.9	7.6	8.1	4.9	ND	6.5	ND	ND	ND	7.4	11	23.8	11	9.9	14	8.1	9.8	32	31	6.1	ND	6.8	7	ND	12.9	26.26	6.25
MW-16	9.72	41.79	35.02	31.75	22.56	14.32	11.29	13.0	37.43	25.62	7.11	31.53	37.61	41	10	41	43	32	36	14	20	37	31	13	6.8	ND	5.2	9.4	21	24	20	8.4	24	18	4.36	12.2
MW-17	172.22	NS	85.32	85.27	230.86	173.6	271.2	295.0	266.2	16.2	193.01	342	277	218	265	112.5	5.1	222	396	375	465	425	460	410	NS	336	394	410	339	167	420	400	21.3	430	381	260.1
MW-18	7.01	9.43	3.88	6.42	6.33	1.55	7.13	ND	2.27	0.73	1.6	3.1	2.8	ND	ND	ND	ND	6.3	ND	10	26	6.9	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	16.6	2.33
MW-19R	0.22	0.32	0.30	0.29	0.34	0.50	0.36	ND	0.26	0.19	0.28	0.6	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.5	ND	ND
MW-20	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
MW-21	25.48	6.35	7.76	15.27	19.16	5.60	32.04	11.0	5.9	23.5	24.49	18.33	NS	NS	NS	NS	NS	NS	NS	17	39	8.7	20	20	10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-X (DUP)	215.80	1.20	109.45	6.5	ND	152.4	100.5	13.0	2.4	3.3	1118.9	1118.9	914.6	ND	ND	434	NS	490	DWS	1,705	879	550	1,720	410	360	407	300	400	870	990	1,850	540	186.8	1,450	521	913
EB	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

RECOVERY WELLS

Recovery Well Number	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	225.80	341.00	663.50	598.6	98.05	485.3	117.8	909.0	1222.0	1123.6	912.6	1038	1,832	1,310	1,510	1,319	1,070	1540	1,970	617	610	910	319	160	NS	21.7	63	55	75	132	87	73	82	43	29.38	673
DR-2	128.70	100.15	129.15	251.3	162.4	144.2	111.6	116.0	129.7	137.8	185.9	192	156	216	162	128	130	181	199	137	218	215	199	187	291	259	162	224	231	207	302	256	293	19	229.9	305.3
DR-3	76.05	85.71	75.20	94.88	85.26	66.77	81.73	63.0	81.8	67.7	99.7	101	91	73	87	125.4	34	48	NS	98	154	62	45	76	83	55	181	210	83	89	123	62	73	42	116.96	24.9
DR-4	31.3	24.40	29.0	34.6	34.1	31.9	42.34	29.9	30.5	32.4	40.6	46.6	40	37.2	48	31.2	31.6	46	52	79	95	63	94	110	71	147	156	148	96	64	68	79	37	90	122.6	ND
G-1	87.50	41.98	47.21	53.68	51.83	45.82	100.60	53.0	37.6	50.1	70	78.7	50.4	74.6	77	40	22	70	73.5	85	105.6	59.7	80.3	ND	68	146	101	105	90	78	96.2	69.1	55.8	52.6	68.55	65.58
G-2	33.91	67.69	45.35	52.67	45.4	64.38	37.46	54.0	30.9	18.8	90.49	90	69	25	68	50	46	8.5	NS	NS	ND	NS	NS	28	NS	48	34	37	52	14	68	81	50	132.2	75.3	41.9
G-3	182.69	160.51	153.75	185.8	226.09	177.73	236.35	235.0	272.36	335.52	305.34	309.65	309.65	15	322	NS	NS	NS	NS	293	404	420	262	370	NS	NS	NS	NS	NS	82	NS	11	25	41.6	147.3	44.2

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 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
MW-1†	-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%
MW-2	100.00%	100.00%	100%	100%	100%	100%	99%	100%	100%	100%	100%	98.78%	100%
MW-3	92.40%	93.07%	98.33%	100.00%	100%	91%	92%	100%	98%	100%	100%	98.13%	97.40%
MW-4	100.00%	NS	100%	100%	100%	100%	100%	100%	100%	100%	100%	100.0%	100%
MW-5	94.64%	92.86%	95.71%	91.43%	89.29%	94%	89%	100%	96%	97%	96.64%	96.29%	93.57%
MW-6	54.66%	78.08%	77.29%	72.41%	76.60%	80.79%	80.00%	83.74%	80.44%	84.04%	75.59%	77.18%	78.66%
MW-7	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%
MW-8	100.00%	100.00%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
MW-9	100.00%	100.00%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
MW-10	100.00%	100.00%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
MW-11	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%
MW-12	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%
MW-13	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%
MW-14	70.84%	90.16%	66.86%	70.86%	73.21%	93.40%	79.87%	95.87%	94.22%	89.21%	89.52%	91.59%	91.78%
MW-15	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%
MW:16*	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%
MW-17*	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%
MW-18:*	95.58%	94.06%	97.56%	95.96%	96.02%	99.03%	95.52%	100.00%	99.42%	99.81%	62.50%	99.21%	99.29%
MW-19 R*	97.80%	96.80%	97.9%	97.93%	97.57%	96.43%	97.43%	100.00%	98.14%	98.64%	98.00%	95.71%	Not Sampled
MW-20**	100.00%	100.00%	100%	100%	97.94%	100%	95%	100.00%	98%	99%	100%	100%	100%
MW-21**	94.16%	98.54%	98.2%	96.5%	95.61%	98.72%	92.65%	97.48%	98.65%	94.61%	94.38%	95.80%	Not Sampled
* Well installed 2003													
** Well Installed 2004													
Site-Wide reduction:	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%
Impacted Groundwater Plume Area Only:	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%

Monitoring Well	%Reduction 2002 to Nov 2018	%Reduction 2002 to Aug 2018	%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
MW-1†	-40.6%	-54.9%	-44.5%	51.3%	-39.90%	-57.6%	-48.0%	-9.1%	24.5%	-99.2%	-91.4%	54.4%	44.0%	60.9%
MW-2	100%	100%	100%	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%	100%	100.0%	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled
MW-4	100%	100%	100%	100%	100%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
MW-5	100%	100%	100%	100%	100%	100.0%	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled
MW-6	100%	-83.3%	15.4%	15.4%	-84.60%	15.4%	81.3%	70.4%	75.4%	70.4%	76.4%	78.8%	80.0%	72.9%
MW-7	80.0%	79.3%	100.0%	81.3%	98.70%	93.6%	75.6%	86.2%	81.6%	89.1%	71.1%	87.1%	100.0%	60.0%
MW-8	100%	100%	100%	100%	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled
MW-9	100%	100%	100%	100%	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%	100%	100.0%	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled
MW-11	89.5%	93.9%	89.5%	75.0%	89.20%	99.1%	86.1%	90.4%	88.2%	77.2%	86.4%	90.4%	89.2%	90.3%
MW-12	99.6%	99.8%	99.2%	99.1%	99.80%	75.0%	99.9%	99.9%	99.9%	99.8%	99.6%	99.2%	99.1%	99.0%
MW-13	100%	100%	100%	100%	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled
MW-14	90.3%	92.9%	92.8%	91.1%	87.90%	2.3%	75.9%	68.3%	81.9%	74.3%	69.5%	83.5%	68.6%	78.4%
MW-15	100%	99.1%	100%	100%	100%	99.0%	98.5%	96.7%	98.5%	98.6%	98.1%	98.9%	98.7%	95.6%
MW:16*	19.9%	80.5%	19.9%	2.3%	2.80%	2.3%	72.7%	60.9%	27.7%	39.5%	74.6%	86.7%	100.0%	89.8%
MW-17*	78.4%	73.8%	88.9%	99.5%	78*	2.3%	62.9%	54.0%	58.0%	54.5%	59.4%	Not Sampled	66.8%	61.0%
MW-18:*	100%	100%	100%	100%	100%	100.0%	97.4%	93.4%	98.2%	100.0%	100.0%	100.0%	100.0%	100.0%
MW-19 R*	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
MW-20**	100%	100%	100%	100%	100%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
MW-21**	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	34.6%	-50.0%	66.5%	23.1%	23.1%	61.5%	Not Sampled	Not Sampled
* Well installed 2003														
** Well Installed 2004														
Site-Wide reduction:	85.1%	78.0%	82.2%	84.2%	67.60%	62.1%	74.1%	68.7%	78.6%	66.2%	69.1%	87.7%	88.2%	85.2%
Impacted Groundwater Plume Area Only:	74.6%	72.1%	67.6%	76.6%	51.40%	41.1%	66.5%	69.6%	76.0%	58.1%	58.6%	84.6%	80.8%	77.3%

Monitoring Well	%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	%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
MW-1†	45.3%	-28.9%	-28.9%	-126.6%	-8.1%	-19.5%	-87.5%	31.3%	-15.8%	42.4%	-71.6%	24.1%	26.6%	15.5%	-1.3%
MW-2	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	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	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.00%	100.0%	100.0%	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	Not Sampled	Not Sampled
MW-6	72.9%	76.4%	76.8%	68.0%	75.6%	77.1%	75.6%	78.6%	78.9%	75.1%	80.5%	82.0%	79.9%	73.6%	76.4%
MW-7	57.8%	93.6%	100.0%	100.0%	96.0%	100.0%	100.0%	66.3%	93.2%	53.5%	84.2%	95.0%	87.1%	64.3%	74.6%
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	Not Sampled	Not Sampled
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	Not Sampled	Not Sampled
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	Not Sampled	Not Sampled
MW-11	91.9%	90.3%	84.7%	81.1%	89.0%	87.7%	83.0%	89.3%	86.7%	89.1%	84.5%	86.6%	87.3%	86.4%	83.5%
MW-12	98.4%	98.4%	98.3%	98.6%	98.8%	98.5%	98.9%	99.3%	98.8%	99.3%	98.7%	99.3%	99.3%	99.2%	98.7%
MW-13	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	78.4%	82.9%	76.8%	70.2%	84.4%	77.5%	85.1%	87.4%	75.7%	75.5%	66.7%	89.9%	92.3%	87.6%	79.3%
MW-15	95.8%	99.2%	100.0%	99.1%	99.0%	100.0%	98.2%	96.4%	99.1%	95.6%	97.8%	99.1%	97.7%	91.5%	96.9%
MW:16*	81.6%	59.0%	53.1%	60.9%	77.9%	36.8%	52.6%	88.5%	67.9%	84.0%	39.2%	23.9%	81.0%	93.3%	99.7%
MW-17*	59.4%	66.5%	83.5%	58.5%	50.6%	97.4%	46.9%	53.0%	67.9%	44.6%	72.2%	96.7%	94.1%	61.4%	71.3%
MW-18:*	100.0%	100.0%	100.0%	Not Sampled	100.0%	100.0%	100.0%	89.6%	98.5%	81.9%	91.3%	96.0%	88.7%	74.4%	82.7%
MW-19 R*	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	75.0%	99.0%	99.0%	99.0%	99.0%	99.0%	99.0%	73.3%	99.0%
MW-20**	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	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	Not Sampled	Not Sampled	Not Sampled	Not Sampled
* Well installed 2003															
** Well Installed 2004															
Site-Wide reduction:	83.2%	79.8%	80.3%	67.5%	81.8%	81.2%	71.3%	82.9%	80.7%	79.7%	72.2%	83.7%	86.9%	78.3%	81.4%
Impacted Groundwater Plume Area Only:	75.0%	72.3%	73.9%	82.2%	73.2%	77.3%	62.5%	75.2%	73.1%	71.9%	64.1%	84.1%	83.0%	72.5%	72.4%

Monitoring Well	%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†	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	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	99.3%	84.0%	99.3%	99.3%	99.3%
MW-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	99.3%	75.6%	99.3%	99.3%	63.4%
MW-6	81.3%	77.1%	78.4%	72.2%	69.7%	74.1%	57.9%	62.8%	57.4%	42.6%
MW-7	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	92.9%	92.9%	Not Sampled	92.9%	92.9%
MW-9	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	96.2%	96.2%	Not Sampled	96.2%	96.2%
MW-11	83.3%	86.5%	83.0%	90.6%	87.8%	78.0%	91.4%	74.4%	44.0%	76.3%
MW-12	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	100.0%	Not Sampled	100.0%	99.4%	100.0%	100.0%	100.0%
MW-14	85.9%	87.1%	88.9%	94.3%	87.9%	90.7%	67.2%	66.1%	6.7%	55.6%
MW-15	98.3%	91.1%	99.3%	84.5%	89.4%	97.5%	79.5%	91.7%	79.5%	62.9%
MW:16*	94.2%	42.1%	41.6%	57.4%	43.9%	77.5%	35.0%	-57.9%	-34.7%	-72.1%
MW-17*	97.7%	71.8%	99.5%	10.1%	26.0%	24.7%	-11.5%	4.1%	-24.8%	-24.2%
MW-18:*	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%	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%
MW-21**	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:	87.9%	61.1%	82.1%	56.0%	59.7%	78.5%	32.9%	39.8%	43.4%	35.7%
Impacted Groundwater Plume Area Only:	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 June 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
DR-1	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%
DR-2	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%
DR-3	94.82%	94.16%	94.87%	93.53%	94.19%	95.48%	94.46%	95.73%	46.36%	55.61%	34.62%	33.77%	40.33%
DR-4	98.22%	98.62%	98.36%	98.04%	98.07%	98.19%	97.60%	98.31%	96.45%	96.23%	95.27%	94.58%	95.34%
G-1	93.92%	92.29%	91.33%	90.14%	90.48%	91.58%	81.52%	90.27%	81.27%	75.05%	65.14%	60.81%	74.90%
G-2	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%
G-3	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%
Overall Reduction	89.08%	88.34%	88.56%	85.99%	86.50%	87.31%	85.45%	84.97%	44.08%	45.14%	42.05%	37.95%	23.07%

Recovery Well	%Reduction 2002 to Nov 2018	%Reduction 2002 to Aug 2018	%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
DR-1	-128.5%	-163.3%	-130.0%	-86.6%	-243.6%	-243.6%	-7.6%	-6.4%	-58.7%	44.4%	72.1%	Not Sampled	96.2%	89.0%
DR-2	60.7%	70.5%	76.7%	76%	63.8%	63.8%	75.1%	60.3%	60.9%	63.8%	66.0%	47.0%	52.8%	70.5%
DR-3	52.1%	43.0%	17.8%	78%	68.5%	Not Sampled	35.7%	-1.0%	59.3%	70.5%	50.2%	45.6%	63.9%	-18.7%
DR-4	95.7%	94.4%	96.4%	96%	93.9%	93.9%	90.8%	88.9%	92.7%	89.1%	87.2%	91.7%	82.9%	81.8%
G-1	62.8%	61.7%	80.1%	80%	74.1%	74.1%	57.7%	47.4%	92.7%	60.0%	100.0%	66.1%	27.3%	49.8%
G-2	91.2%	76.0%	82.4%	84%	100.0%	Not Sampled	Not Sampled	100.0%	Not Sampled	Not Sampled	90.1%	Not Sampled	83.1%	88.0%
G-3	96.3%	20.1%	Not Sampled	Not Sampled	Not Sampled	Not Sampled	27.3%	-0.2%	-4.2%	35.0%	8.2%	Not Sampled	Not Sampled	Not Sampled
Overall Reduction	47.2%	28.9%	37.2%	54.6%	60.4%	40.4%	46.5%	41.3%	40.4%	60.4%	67.7%	62.6%	67.7%	60.1%

Recovery Well	%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	%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
DR-1	90.4%	86.9%	77.0%	84.8%	99.1%	99.0%	99.5%	99.8%	91.6%	97.9%	98.1%	96.9%	95.6%	94.5%	99.2%
DR-2	59.2%	58.0%	62.3%	45.0%	87.2%	85.4%	99.1%	88.5%	83.9%	89.7%	88.0%	86.6%	92.4%	89.3%	87.3%
DR-3	-37.7%	45.6%	41.6%	19.3%	95.8%	95.1%	97.2%	92.1%	98.3%	95.0%	95.4%	98.3%	98.0%	97.4%	94.6%
DR-4	82.8%	88.8%	92.5%	90.8%	95.5%	97.9%	94.9%	93.1%	100.0%	89.2%	92.7%	94.3%	95.9%	86.9%	91.2%
G-1	47.7%	55.0%	61.3%	65.6%	87.3%	89.8%	90.3%	87.4%	88.0%	87.6%	89.8%	87.7%	91.0%	94.4%	80.1%
G-2	86.9%	81.7%	95.1%	71.4%	79.0%	87.0%	65.7%	80.4%	89.1%	92.3%	83.0%	87.7%	86.5%	98.4%	97.8%
G-3	Not Sampled	Not Sampled	79.7%	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Overall Reduction	54.9%	69.3%	72.8%	62.8%	90.7%	92.3%	91.1%	90.2%	91.8%	91.9%	91.1%	91.9%	93.2%	93.5%	91.7%

Recovery Well	%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	98.0%	95.1%	96.8%	91.0%	89.2%	93.4%	74.5%	86.2%	92.8%
DR-2	90.6%	90.1%	88.8%	89.7%	85.8%	92.3%	85.6%	82.5%	72.6%
DR-3	91.6%	91.5%	88.7%	94.9%	91.7%	88.4%	73.8%	87.6%	89.7%
DR-4	95.4%	95.5%	96.2%	92.7%	97.7%	97.6%	87.7%	99.1%	51.4%
G-1	76.0%	69.9%	76.7%	77.9%	68.7%	65.8%	58.7%	71.8%	63.1%
G-2	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
Overall Reduction	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 Alpha on 1-Oct-22

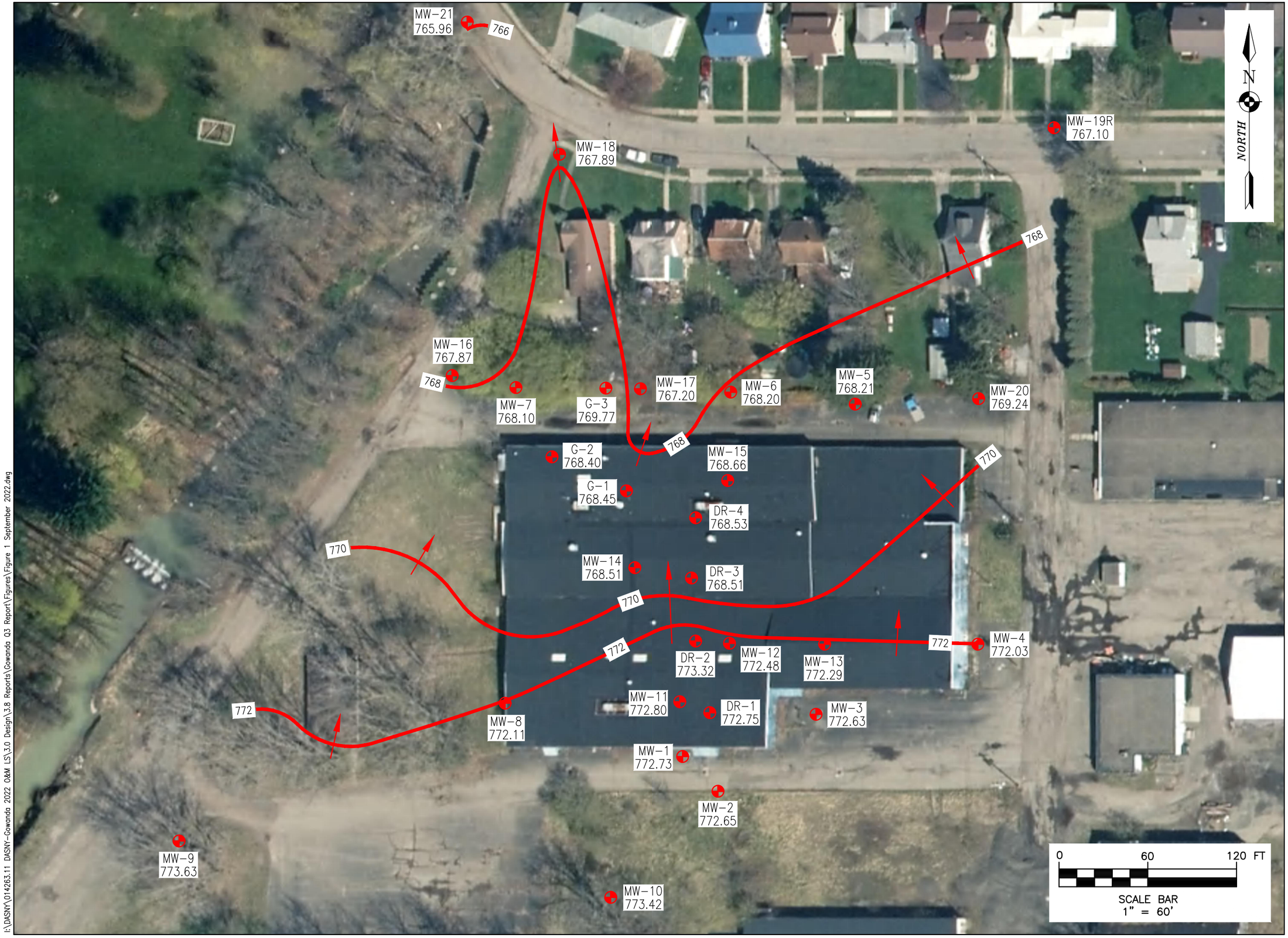
LOCATION		NYS Groundwater			MW-1		MW-2		MW-3		MW-4		MW-5		MW-6		MW-7		MW-8	
SAMPLING DATE		Standard Value	Guidance Value	Units	30-Sep-22		30-Sep-22		30-Sep-22		30-Sep-22		30-Sep-22		30-Sep-22		29-Sep-22		29-Sep-22	
Lab Sample ID						Units		Units		Units		Units		Units		Units		Units		Units
SAMPLE QUALIFIER																				
PARAMETER	**PRODUCT**																			
Methylene chloride	NYTCL-8260-R2	5.0	-	ug/l	<25.	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
1,1-Dichloroethane	NYTCL-8260-R2	5.0	-	ug/l	<25.	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
Chloroform	NYTCL-8260-R2	7.0	-	ug/l	<25.	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
Carbon tetrachloride	NYTCL-8260-R2	5.0	-	ug/l	<5.0	ug/l	<0.50	ug/l	<0.50	ug/l	<0.5	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l
1,2-Dichloropropane	NYTCL-8260-R2	1	-	ug/l	<10.	ug/l	<1.0	ug/l	<1.0	ug/l	<1.0	ug/l	<1.0	ug/l	<1.0	ug/l	<1.0	ug/l	<1.0	ug/l
Dibromochloromethane	NYTCL-8260-R2	-	50	ug/l	<5.0	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l
1,1,2-Trichloroethane	NYTCL-8260-R2	1	-	ug/l	<15.	ug/l	<1.5	ug/l	<1.5	ug/l	<1.5	ug/l	<1.5	ug/l	<1.5	ug/l	<1.5	ug/l	<1.5	ug/l
Tetrachloroethene	NYTCL-8260-R2	5	-	ug/l	<5.0	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l
Chlorobenzene	NYTCL-8260-R2	5	-	ug/l	<25.	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
Trichlorofluoromethane	NYTCL-8260-R2	5	-	ug/l	<25.	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
1,2-Dichloroethane	NYTCL-8260-R2	0.6	-	ug/l	<5.0	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l
1,1,1-Trichloroethane	NYTCL-8260-R2	5.0	-	ug/l	<25.	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
Bromodichloromethane	NYTCL-8260-R2	-	50	ug/l	<5.0	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l
trans-1,3-Dichloropropene	NYTCL-8260-R2	0.4	-	ug/l	<5.0	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l
cis-1,3-Dichloropropene	NYTCL-8260-R2	-	-	ug/l	<5.0	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l
Bromoform	NYTCL-8260-R2	-	50	ug/l	<20.	ug/l	<2.0	ug/l	<2.0	ug/l	<2.0	ug/l	<2.0	ug/l	<2.0	ug/l	<2.0	ug/l	<2.0	ug/l
1,1,2,2-Tetrachloroethane	NYTCL-8260-R2	5	-	ug/l	<5.0	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l
Benzene	NYTCL-8260-R2	1	-	ug/l	<5.0	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l
Toluene	NYTCL-8260-R2	5	-	ug/l	<25.	ug/l	130	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
Ethylbenzene	NYTCL-8260-R2	5	-	ug/l	<25.	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
Chloromethane	NYTCL-8260-R2	-	-	ug/l	<25.	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
Bromomethane	NYTCL-8260-R2	5	-	ug/l	<25.	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
Vinyl chloride	NYTCL-8260-R2	2.0	-	ug/l	1.3J	ug/l	<1.0	ug/l	<1.0	ug/l	<1.0	ug/l	<1.0	ug/l	**130**	ug/l	<1.0	ug/l	<1.0	ug/l
Chloroethane	NYTCL-8260-R2	5	-	ug/l	<25.	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
1,1-Dichloroethene	NYTCL-8260-R2	5	-	ug/l	<5.0	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l
trans-1,2-Dichloroethene	NYTCL-8260-R2	5.0	-	ug/l	11J	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
Trichloroethene	NYTCL-8260-R2	5.0	-	ug/l	**860**	ug/l	<0.50	ug/l	0.22J	ug/l	<0.50	ug/l	0.75	ug/l	<0.50	ug/l	0.46J	ug/l	<0.50	ug/l
1,2-Dichlorobenzene	NYTCL-8260-R2	3	-	ug/l	<25.	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
1,3-Dichlorobenzene	NYTCL-8260-R2	3	-	ug/l	<25.	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
1,4-Dichlorobenzene	NYTCL-8260-R2	3	-	ug/l	<25.	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
Methyl tert butyl ether	NYTCL-8260-R2	-	10	ug/l	<25.	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
p/m-Xylene	NYTCL-8260-R2	5	-	ug/l	<25.	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
o-Xylene	NYTCL-8260-R2	5	-	ug/l	<25.	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
cis-1,2-Dichloroethene	NYTCL-8260-R2	5.0	-	ug/l	**130**	ug/l	<2.5	ug/l	0.92J	ug/l	<2.5	ug/l	<2.5	ug/l	**54**	ug/l	**8.3**	ug/l	<2.5	ug/l
Styrene	NYTCL-8260-R2	5	-	ug/l	<25.	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
Dichlorodifluoromethane	NYTCL-8260-R2	5	-	ug/l	<50.	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l
Acetone	NYTCL-8260-R2	-	50	ug/l	<50.	ug/l	3.7J	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l
Carbon disulfide	NYTCL-8260-R2	-	60	ug/l	<50.	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	1.1J	ug/l	<5.0	ug/l
2-Butanone	NYTCL-8260-R2	-	50	ug/l	<50.	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l
4-Methyl-2-pentanone	NYTCL-8260-R2	-	-	ug/l	<50.	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l
2-Hexanone	NYTCL-8260-R2	-	50	ug/l	<50.	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l
Bromochloromethane	NYTCL-8260-R2	5.0	-	ug/l	<25.	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
1,2-Dibromoethane	NYTCL-8260-R2	0.0006	-	ug/l	<20.	ug/l	<2.0	ug/l	<2.0	ug/l	<2.0	ug/l	<2.0	ug/l	<2.0	ug/l	<2.0	ug/l	<2.0	ug/l
1,2-Dibromo-3-chloropropane	NYTCL-8260-R2	0.04	-	ug/l	<25.	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
Isopropylbenzene	NYTCL-8260-R2	5	-	ug/l	<25.	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
1,2,3-Trichlorobenzene	NYTCL-8260-R2	5	-	ug/l	<25.	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
1,2,4-Trichlorobenzene	NYTCL-8260-R2	5	-	ug/l	<25.	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
Methyl Acetate	NYTCL-8260-R2	-	-	ug/l	<20.	ug/l	<2.0	ug/l	<2.0	ug/l	<2.0	ug/l	<2.0	ug/l	<2.0	ug/l	<2.0	ug/l	<2.0	ug/l
Cyclohexane	NYTCL-8260-R2	-	-	ug/l	<100	ug/l	<10.	ug/l	<10.	ug/l	<10.	ug/l	<10.	ug/l	<10.	ug/l	<10.	ug/l	<10.	ug/l
1,4-Dioxane	NYTCL-8260-R2	-	-	ug/l	<2500	ug/l	<250	ug/l	<250	ug/l	<250.	ug/l	<250	ug/l	<250	ug/l	<250	ug/l	<250	ug/l
Freon-113	NYTCL-8260-R2	5	-	ug/l	<25.	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
Methyl cyclohexane	NYTCL-8260-R2	-	-	ug/l	<100	ug/l	<10.	ug/l	<10.	ug/l	<10.	ug/l	<10.	ug/l	<10.	ug/l	<10.	ug/l	<10.	ug/l

LOCATION	MW-9		MW-10		MW-11		MW-12		MW-13		MW-14		MW-15		MW-16	
SAMPLING DATE	30-Sep-22		30-Sep-22		29-Sep-22		29-Sep-22		29-Sep-22		29-Sep-22		29-Sep-22		29-Sep-22	
Lab Sample ID		Units		Units		Units		Units		Units		Units		Units		Units
SAMPLE QUALIFIER																
PARAMETER																
Methylene chloride	<2.5	ug/l	<2.5	ug/l	<6.2	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
1,1-Dichloroethane	<2.5	ug/l	<2.5	ug/l	<6.2	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
Chloroform	<2.5	ug/l	<2.5	ug/l	<6.2	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
Carbon tetrachloride	<0.50	ug/l	<0.50	ug/l	<1.2	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l
1,2-Dichloropropane	<1.0	ug/l	<1.0	ug/l	<2.5	ug/l	<1.0	ug/l	<1.0	ug/l	<1.0	ug/l	<1.0	ug/l	<1.0	ug/l
Dibromochloromethane	<0.50	ug/l	<0.50	ug/l	<1.2	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l
1,1,2-Trichloroethane	<1.5	ug/l	<1.5	ug/l	<3.8	ug/l	<1.5	ug/l	<1.5	ug/l	<1.0	ug/l	<1.5	ug/l	<1.5	ug/l
Tetrachloroethene	<0.50	ug/l	<0.50	ug/l	<1.2	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l
Chlorobenzene	<2.5	ug/l	<2.5	ug/l	<6.2	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
Trichlorofluoromethane	<2.5	ug/l	<2.5	ug/l	<6.2	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
1,2-Dichloroethane	<0.50	ug/l	<0.50	ug/l	<1.2	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l
1,1,1-Trichloroethane	<2.5	ug/l	<2.5	ug/l	<6.2	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
Bromodichloromethane	<0.50	ug/l	<0.50	ug/l	<1.2	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l
trans-1,3-Dichloropropene	<0.50	ug/l	<0.50	ug/l	<1.2	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l
cis-1,3-Dichloropropene	<0.50	ug/l	<0.50	ug/l	<1.2	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l
Bromoform	<2.0	ug/l	<2.0	ug/l	<5.0	ug/l	<2.0	ug/l	<2.0	ug/l	<2.0	ug/l	<2.0	ug/l	<2.0	ug/l
1,1,2,2-Tetrachloroethane	<0.50	ug/l	<0.50	ug/l	<1.2	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l
Benzene	<0.50	ug/l	<0.50	ug/l	<1.2	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l
Toluene	<2.5	ug/l	<2.5	ug/l	<6.2	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
Ethylbenzene	<2.5	ug/l	<2.5	ug/l	<6.2	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
Chloromethane	<2.5	ug/l	<2.5	ug/l	<6.2	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
Bromomethane	<2.5	ug/l	<2.5	ug/l	<6.2	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
Vinyl chloride	<1.0	ug/l	<1.0	ug/l	**1.8J**	ug/l	0.10J	ug/l	<1.0	ug/l	1.2	ug/l	<1.0	ug/l	<1.0	ug/l
Chloroethane	<2.5	ug/l	<2.5	ug/l	<6.2	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
1,1-Dichloroethene	<0.50	ug/l	<0.50	ug/l	<1.2	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l
trans-1,2-Dichloroethene	<2.5	ug/l	<2.5	ug/l	8.2	ug/l	1.2J	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
Trichloroethene	<0.50	ug/l	<0.50	ug/l	**200**	ug/l	**23**	ug/l	0.96	ug/l	**9.7**	ug/l	**3.7**	ug/l	0.42J	ug/l
1,2-Dichlorobenzene	<2.5	ug/l	<2.5	ug/l	<6.2	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
1,3-Dichlorobenzene	<2.5	ug/l	<2.5	ug/l	<6.2	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
1,4-Dichlorobenzene	<2.5	ug/l	<2.5	ug/l	<6.2	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
Methyl tert butyl ether	<2.5	ug/l	<2.5	ug/l	<6.2	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
p/m-Xylene	<2.5	ug/l	<2.5	ug/l	<6.2	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
o-Xylene	<2.5	ug/l	<2.5	ug/l	<6.2	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
cis-1,2-Dichloroethene	<2.5	ug/l	<2.5	ug/l	**140**	ug/l	**54**	ug/l	<2.5	ug/l	**81**	ug/l	<2.5	ug/l	**9.3**	ug/l
Styrene	<2.5	ug/l	<2.5	ug/l	<6.2	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
Dichlorodifluoromethane	<5.0	ug/l	<5.0	ug/l	<12.	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l
Acetone	1.7J	ug/l	<5.0	ug/l	<12.	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l
Carbon disulfide	<5.0	ug/l	<5.0	ug/l	<12.	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l
2-Butanone	<5.0	ug/l	<5.0	ug/l	<12.	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l
4-Methyl-2-pentanone	<5.0	ug/l	<5.0	ug/l	<12.	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l
2-Hexanone	<5.0	ug/l	<5.0	ug/l	<12.	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l
Bromochloromethane	<2.5	ug/l	<2.5	ug/l	<6.2	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
1,2-Dibromoethane	<2.0	ug/l	<2.0	ug/l	<5.0	ug/l	<2.0	ug/l	<2.0	ug/l	<2.0	ug/l	<2.0	ug/l	<2.0	ug/l
1,2-Dibromo-3-chloropropane	<2.5	ug/l	<2.5	ug/l	<6.2	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
Isopropylbenzene	<2.5	ug/l	<2.5	ug/l	<6.2	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
1,2,3-Trichlorobenzene	<2.5	ug/l	<2.5	ug/l	<6.2	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
1,2,4-Trichlorobenzene	<2.5	ug/l	<2.5	ug/l	<6.2	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
Methyl Acetate	<2.0	ug/l	<2.0	ug/l	<5.0	ug/l	<2.0	ug/l	<2.0	ug/l	<2.0	ug/l	<2.0	ug/l	<2.0	ug/l
Cyclohexane	<10	ug/l	<10.	ug/l	<25.	ug/l	<10.	ug/l	<10.	ug/l	<10.	ug/l	<10.	ug/l	<10.	ug/l
1,4-Dioxane	<250	ug/l	<250	ug/l	<620	ug/l	<250	ug/l	<250	ug/l	<250	ug/l	<250	ug/l	<250	ug/l
Freon-113	<2.5	ug/l	<2.5	ug/l	<6.2	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
Methyl cyclohexane	<10	ug/l	<10.	ug/l	<25.	ug/l	<10.	ug/l	<10.	ug/l	<10.	ug/l	<10.	ug/l	<10.	ug/l

LOCATION	MW-17		MW-18		MW-19R		MW-20		MW-21		DR-1		DR-2		DR-3		DR-4	
SAMPLING DATE	29-Sep-22		30-Sep-22		30-Sep-22		30-Sep-22		30-Sep-22		29-Sep-22		29-Sep-22		29-Sep-22		29-Sep-22	
Lab Sample ID		Units		Units		Units		Units		Units		Units		Units		Units		Units
SAMPLE QUALIFIER																		
PARAMETER																		
Methylene chloride	<5.0	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<6.2	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
1,1-Dichloroethane	<5.0	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<6.2	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
Chloroform	<5.0	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<6.2	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
Carbon tetrachloride	<1.0	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<1.2	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l
1,2-Dichloropropane	<2.0	ug/l	<1.0	ug/l	<1.0	ug/l	<1.0	ug/l	<1.0	ug/l	<2.5	ug/l	<1.0	ug/l	<1.0	ug/l	<1.0	ug/l
Dibromochloromethane	<1.0	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<1.2	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l
1,1,2-Trichloroethane	<3.0	ug/l	<1.5	ug/l	<1.5	ug/l	<1.5	ug/l	<1.5	ug/l	<3.8	ug/l	<1.5	ug/l	<1.5	ug/l	<1.5	ug/l
Tetrachloroethene	<1.0	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<1.2	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l
Chlorobenzene	<5.0	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<6.2	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
Trichlorofluoromethane	<5.0	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<6.2	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
1,2-Dichloroethane	<1.0	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<1.2	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l
1,1,1-Trichloroethane	<5.0	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<6.2	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
Bromodichloromethane	<1.0	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<1.2	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l
trans-1,3-Dichloropropene	<1.0	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<1.2	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l
cis-1,3-Dichloropropene	<1.0	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<1.2	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l
Bromoform	<4.0	ug/l	<2.0	ug/l	<2.0	ug/l	<2.0	ug/l	<2.0	ug/l	<5.0	ug/l	<2.0	ug/l	<2.0	ug/l	<2.0	ug/l
1,1,2,2-Tetrachloroethane	<1.0	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<1.2	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l
Benzene	<1.0	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<1.2	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l
Toluene	<5.0	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<6.2	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
Ethylbenzene	<5.0	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<6.2	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
Chloromethane	<5.0	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<6.2	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
Bromomethane	<5.0	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<6.2	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
Vinyl chloride	0.22J	ug/l	0.09J	ug/l	<1.0	ug/l	<1.0	ug/l	0.98J	ug/l	<2.5	ug/l	0.70J	ug/l	**1.3**	ug/l	0.25J	ug/l
Chloroethane	<5.0	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<6.2	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
1,1-Dichloroethene	<1.0	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<1.2	ug/l	0.24J	ug/l	<0.50	ug/l	<0.50	ug/l
trans-1,2-Dichloroethene	<5.0	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	2.8J	ug/l	1.0J	ug/l	0.75J	ug/l	<2.5	ug/l
Trichloroethene	12	ug/l	0.82	ug/l	0.22J	ug/l	<0.50	ug/l	1.5	ug/l	**200**	ug/l	**17**	ug/l	**23**	ug/l	**20**	ug/l
1,2-Dichlorobenzene	<5.0	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<6.2	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
1,3-Dichlorobenzene	<5.0	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<6.2	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
1,4-Dichlorobenzene	<5.0	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<6.2	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
Methyl tert butyl ether	<5.0	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<6.2	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
p/m-Xylene	<5.0	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<6.2	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
o-Xylene	<5.0	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<6.2	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
cis-1,2-Dichloroethene	160	ug/l	**6.1**	ug/l	<2.5	ug/l	<2.5	ug/l	**23**	ug/l	**23**	ug/l	**110**	ug/l	**51**	ug/l	**11**	ug/l
Styrene	<5.0	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<6.2	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
Dichlorodifluoromethane	<10.	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<12	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l
Acetone	<10.	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	3.0J	ug/l	<12	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l
Carbon disulfide	<10.	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<12	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l
2-Butanone	<10.	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<12	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l
4-Methyl-2-pentanone	<10.	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<12	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l
2-Hexanone	<10.	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<12	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l
Bromochloromethane	<5.0	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<6.2	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
1,2-Dibromoethane	<4.0	ug/l	<2.0	ug/l	<2.0	ug/l	<2.0	ug/l	<2.0	ug/l	<5.0	ug/l	<2.0	ug/l	<2.0	ug/l	<2.0	ug/l
1,2-Dibromo-3-chloropropane	<5.0	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<6.2	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
Isopropylbenzene	<5.0	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<6.2	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
1,2,3-Trichlorobenzene	<5.0	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<6.2	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
1,2,4-Trichlorobenzene	<5.0	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<6.2	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
Methyl Acetate	<4.0	ug/l	<2.0	ug/l	<2.0	ug/l	<2.0	ug/l	<2.0	ug/l	<5.0	ug/l	<2.0	ug/l	<2.0	ug/l	<2.0	ug/l
Cyclohexane	<20.	ug/l	<10.	ug/l	<10.	ug/l	<10.	ug/l	<10.	ug/l	<25	ug/l	<10.	ug/l	<10.	ug/l	<10.	ug/l
1,4-Dioxane	<500	ug/l	<250	ug/l	<250	ug/l	<250	ug/l	<250	ug/l	<620	ug/l	<250	ug/l	<250	ug/l	<250	ug/l
Freon-113	<5.0	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<6.2	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
Methyl cyclohexane	<20.	ug/l	<10.	ug/l	<10.	ug/l	<10.	ug/l	<10.	ug/l	<25	ug/l	<10.	ug/l	<10.	ug/l	<10.	ug/l

LOCATION	G-1		G-2		G-3		MW-X		EQUIP. BLANK		TRIP BLANK	
SAMPLING DATE	29-Sep-22		29-Sep-22		29-Sep-22		29-Sep-22		30-Sep-22			
Lab Sample ID		Units		Units		Units		Units		Units		Units
SAMPLE QUALIFIER												
PARAMETER												
Methylene chloride	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
1,1-Dichloroethane	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
Chloroform	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
Carbon tetrachloride	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l
1,2-Dichloropropane	<1.0	ug/l	<1.0	ug/l	<1.0	ug/l	<1.0	ug/l	<1.0	ug/l	<1.0	ug/l
Dibromochloromethane	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l
1,1,2-Trichloroethane	<1.5	ug/l	<1.5	ug/l	<1.5	ug/l	<1.5	ug/l	<1.5	ug/l	<1.5	ug/l
Tetrachloroethene	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l
Chlorobenzene	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
Trichlorofluoromethane	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<5.0	ug/l	<2.5	ug/l	<2.5	ug/l
1,2-Dichloroethane	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l
1,1,1-Trichloroethane	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
Bromodichloromethane	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l
trans-1,3-Dichloropropene	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l
cis-1,3-Dichloropropene	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l
Bromoform	<2.0	ug/l	<2.0	ug/l	<2.0	ug/l	<2.0	ug/l	<2.0	ug/l	<2.0	ug/l
1,1,2,2-Tetrachloroethane	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l
Benzene	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l
Toluene	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
Ethylbenzene	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
Chloromethane	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
Bromomethane	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
Vinyl chloride	1.2	ug/l	0.41J	ug/l	0.39J	ug/l	<1.0	ug/l	<1.0	ug/l	<1.0	ug/l
Chloroethane	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
1,1-Dichloroethene	0.19J	ug/l	<0.50	ug/l	0.28J	ug/l	<0.50	ug/l	<0.50	ug/l	<0.50	ug/l
trans-1,2-Dichloroethene	<2.5	ug/l	<2.5	ug/l	1.3J	ug/l	2.8J	ug/l	<2.5	ug/l	<2.5	ug/l
Trichloroethene	**4.3**	ug/l	0.50	ug/l	**21**	ug/l	190.0	ug/l	<0.50	ug/l	<0.50	ug/l
1,2-Dichlorobenzene	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
1,3-Dichlorobenzene	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
1,4-Dichlorobenzene	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
Methyl tert butyl ether	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
p/m-Xylene	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
o-Xylene	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
cis-1,2-Dichloroethene	**82**	ug/l	**33**	ug/l	**160**	ug/l	23	ug/l	<2.5	ug/l	<2.5	ug/l
Styrene	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
Dichlorodifluoromethane	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l
Acetone	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l
Carbon disulfide	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l
2-Butanone	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l
4-Methyl-2-pentanone	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l
2-Hexanone	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l	<5.0	ug/l
Bromochloromethane	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
1,2-Dibromoethane	<2.0	ug/l	<2.0	ug/l	<2.0	ug/l	<2.0	ug/l	<2.0	ug/l	<2.0	ug/l
1,2-Dibromo-3-chloropropane	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
Isopropylbenzene	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
1,2,3-Trichlorobenzene	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
1,2,4-Trichlorobenzene	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
Methyl Acetate	<2.0	ug/l	<2.0	ug/l	<2.0	ug/l	<2.0	ug/l	<2.0	ug/l	<2.0	ug/l
Cyclohexane	<10.	ug/l	<10.	ug/l	<10.	ug/l	<10.	ug/l	<10.	ug/l	<10.	ug/l
1,4-Dioxane	<250	ug/l	<250	ug/l	<250	ug/l	<250	ug/l	<250	ug/l	<250	ug/l
Freon-113	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l	<2.5	ug/l
Methyl cyclohexane	<10.	ug/l	<10.	ug/l	<10.	ug/l	<10.	ug/l	<10.	ug/l	<10.	ug/l

FIGURES



I:\DASNY\014263.11 DASNY-Gowanda 2022 O&M LS\3.0 Design\3.8 Reports\Gowanda 03 Report\Figures\Figure 1 September 2022.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: 02/15/2023	Scale: 1" = 60'
Project Number: 14263.11	

SEPTEMBER 2022 WATER LEVEL CONTOUR MAP

Drawing Number:

FIGURE 1

DASNY

Gowanda Day Habilitation Center

4 Industrial Place
Gowanda, NY

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Figure 2

September 2022 Distribution of Groundwater Analytical Results: Monitoring Wells

0 30 60 90 120
Feet

N

DASNY

Gowanda Day Habilitation Center

4 Industrial Place
Gowanda, NY

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Figure 3

September 2022 Distribution of Groundwater Analytical Results: Recovery Wells

0 25 50 75 100
Feet

N

CHARTS

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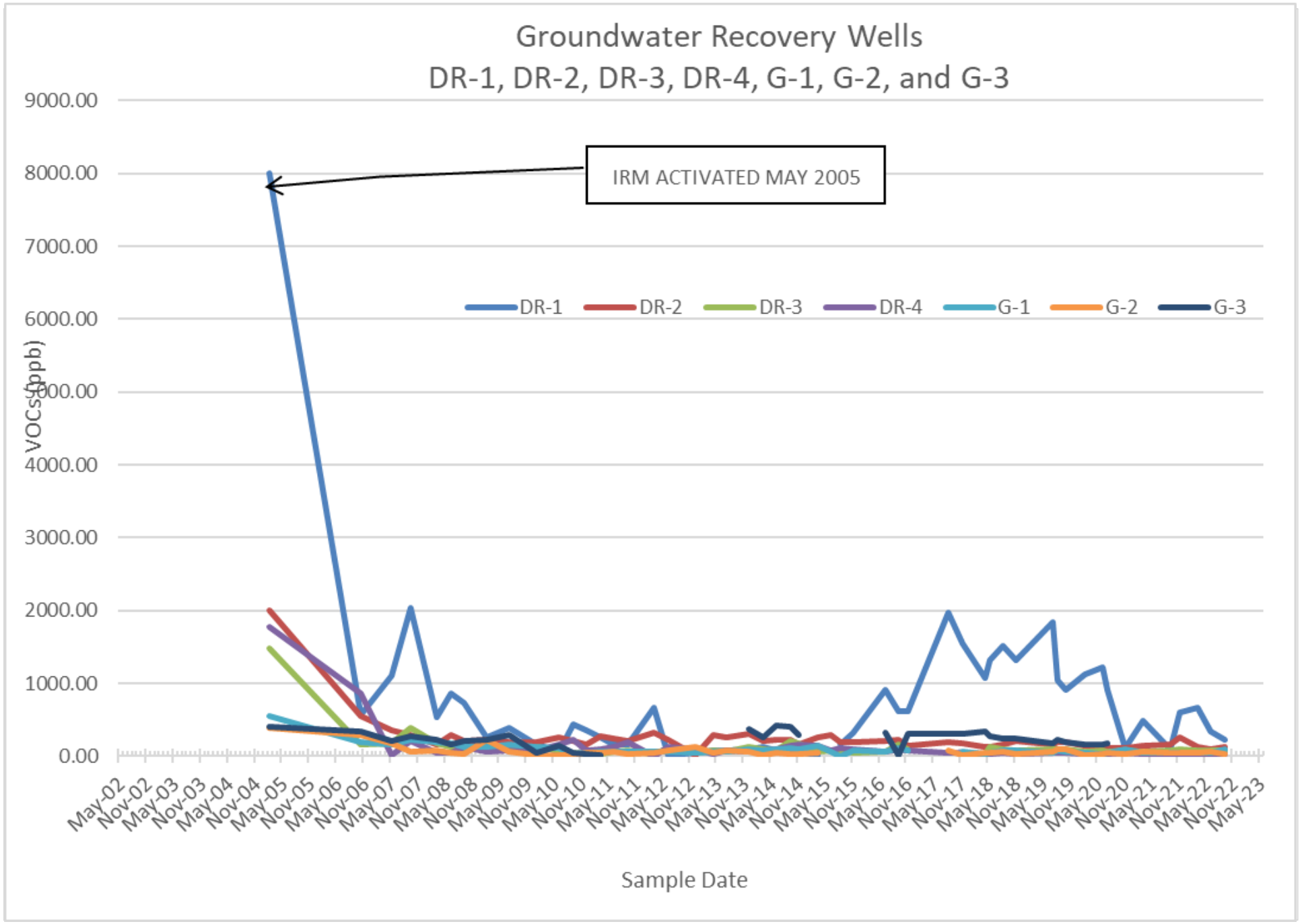

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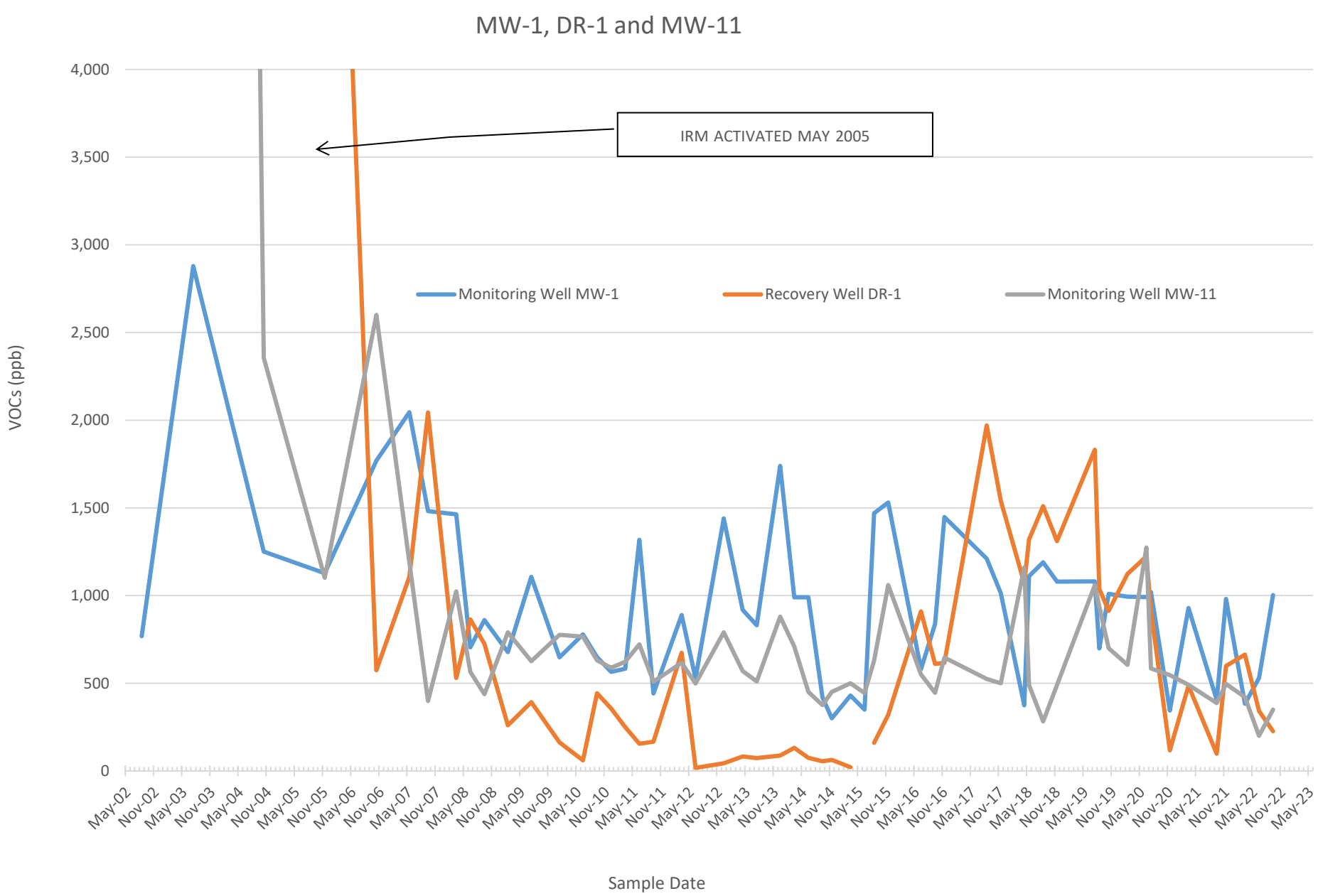

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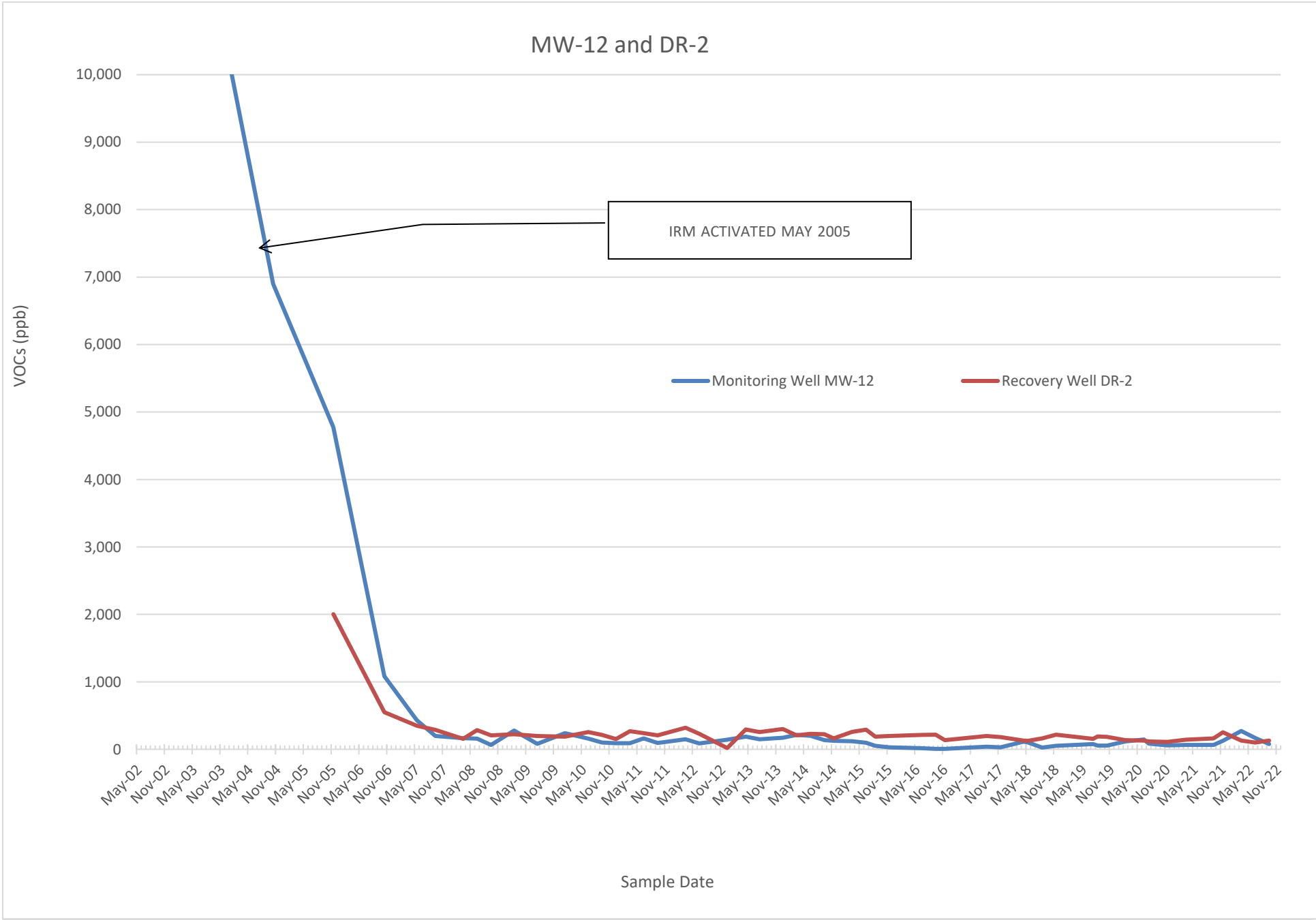
ARCHITECTS ENGINEERS PLANNERS



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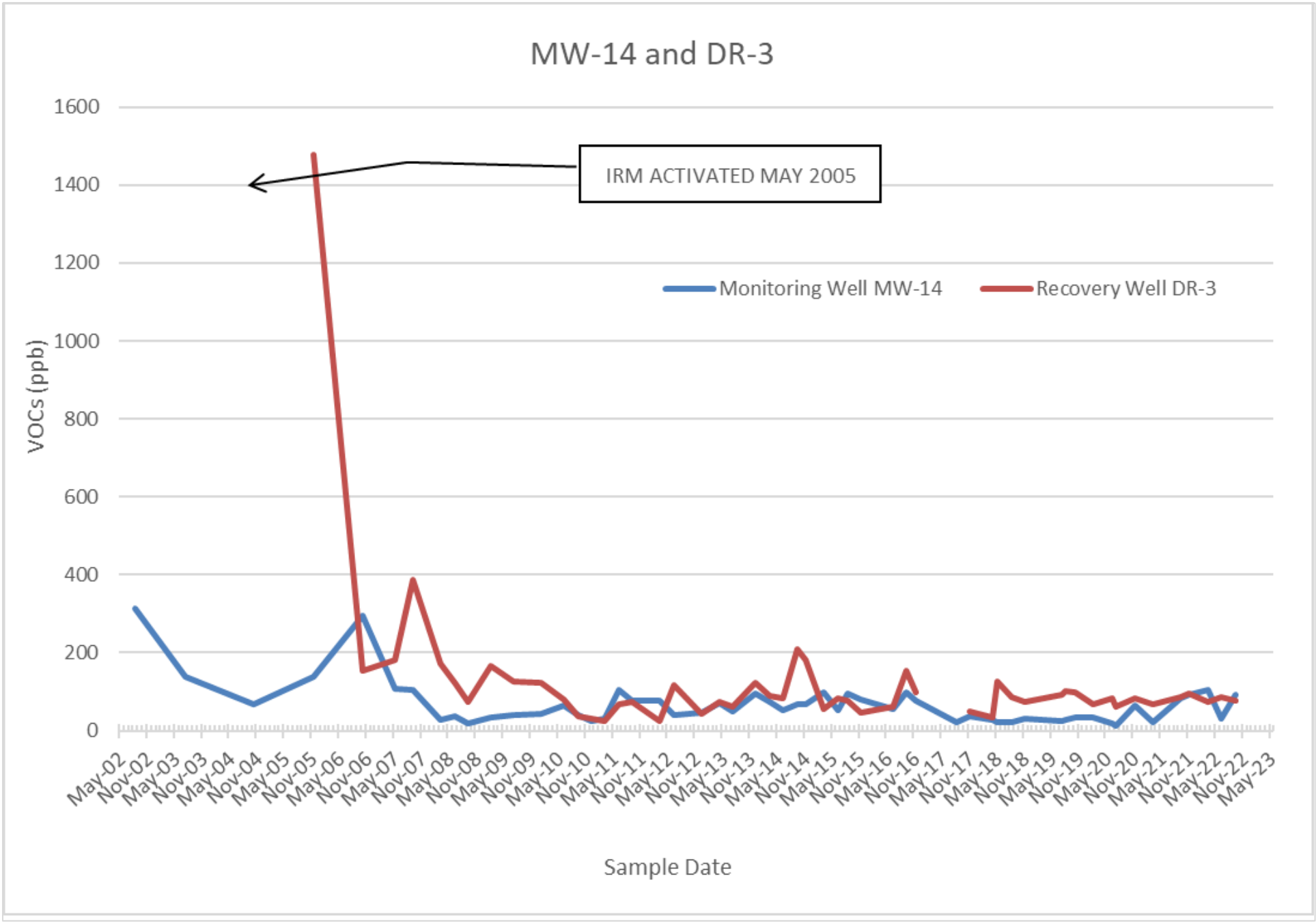

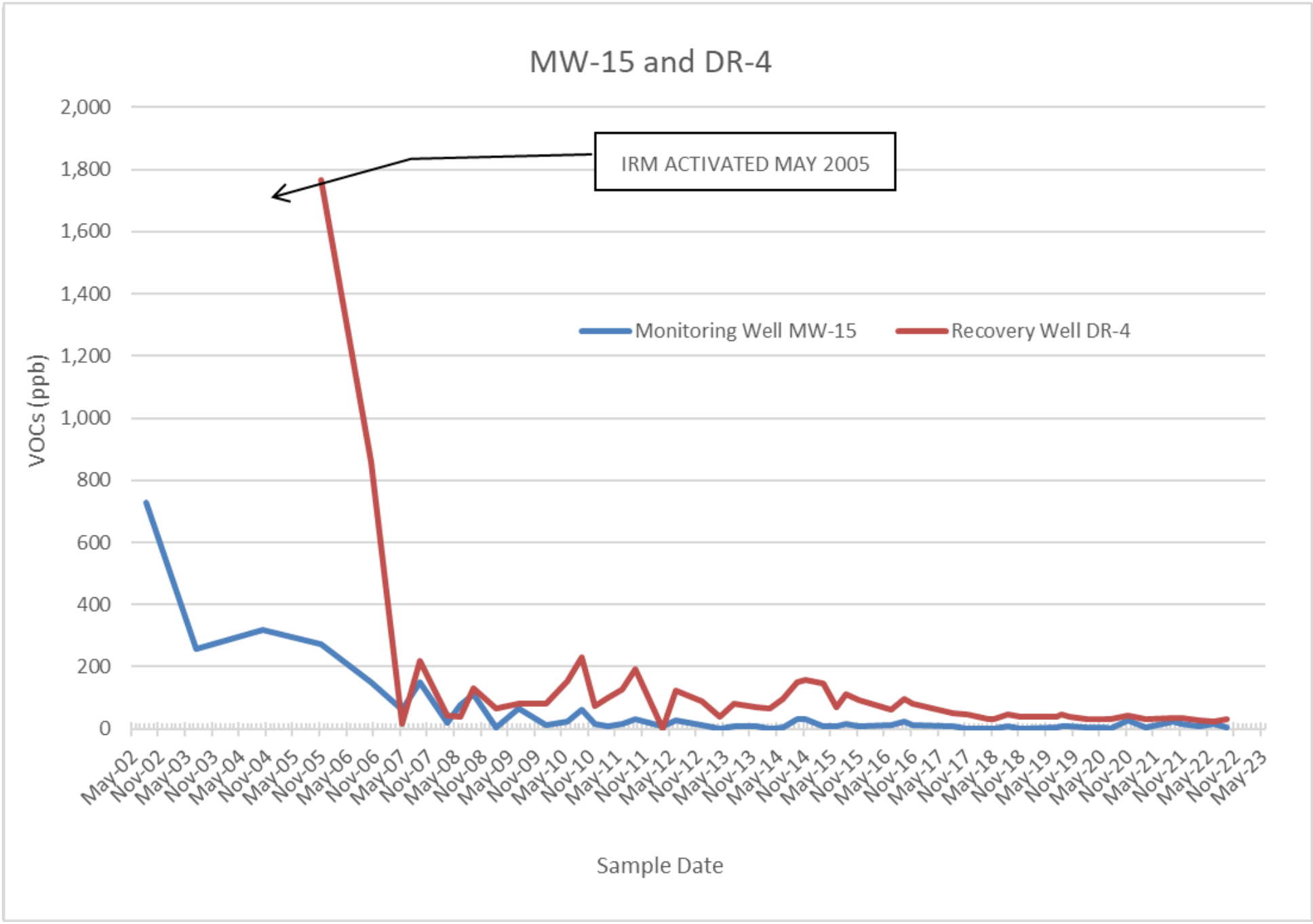
MW-15 and DR-4
IRM ACTIVATED MAY 2005
Monitoring Well MW-15
Recovery Well DR-4
VOCs (ppb)
2,000
1,800
1,600
1,400
1,200
1,000
800
600
400
200
0
May-02
Nov-02
May-03
Nov-03
May-04
Nov-04
May-05
Nov-05
May-06
Nov-06
May-07
Nov-07
May-08
Nov-08
May-09
Nov-09
May-10
Nov-10
May-11
Nov-11
May-12
Nov-12
May-13
Nov-13
May-14
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May-15
Nov-15
May-16
Nov-16
May-17
Nov-17
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Nov-18
May-19
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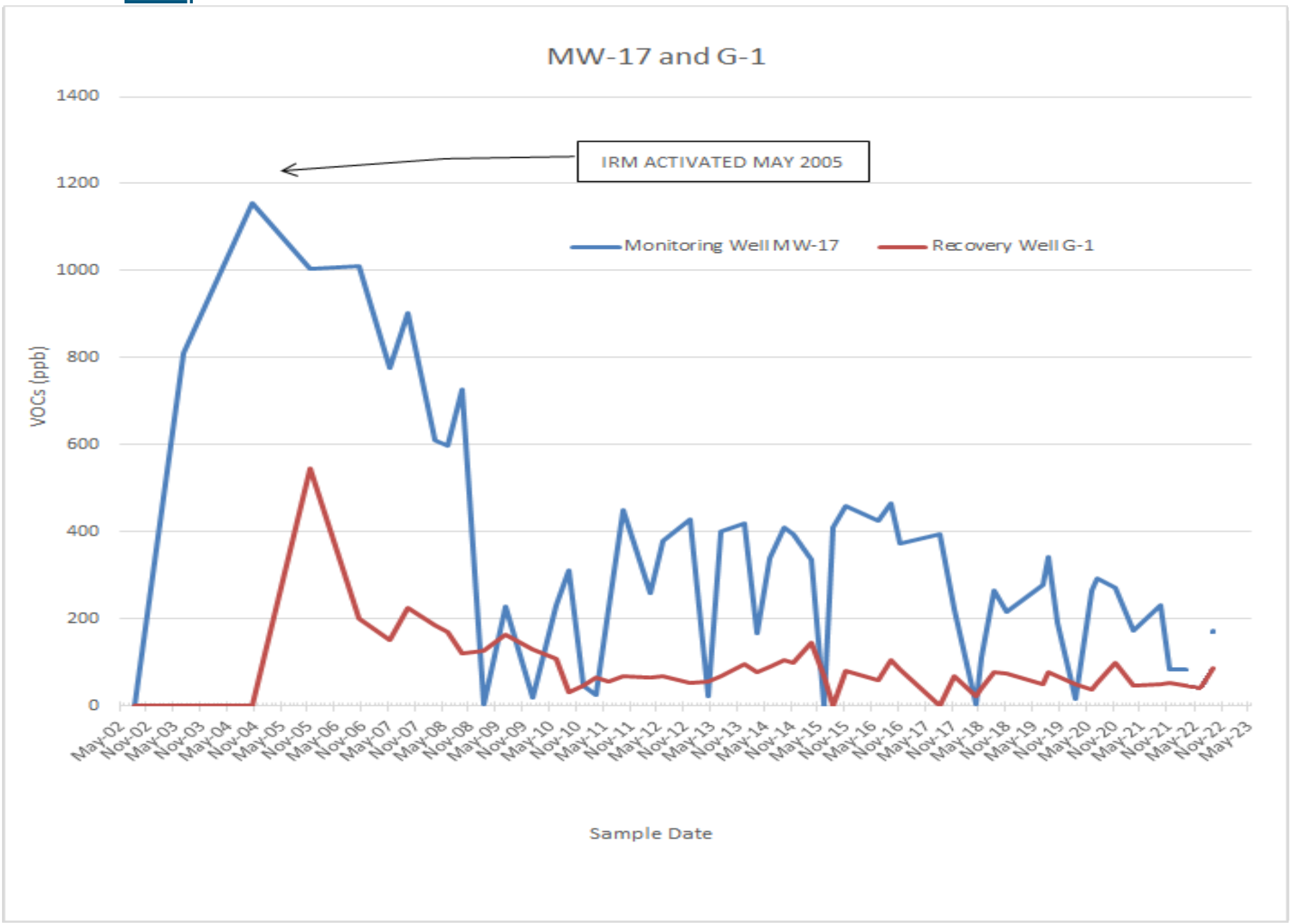
May-20
Nov-20
May-21
Nov-21
May-22
Nov-22
May-23
Sample Date


MW-17 and G-1
IRM ACTIVATED MAY 2005
Monitoring Well MW-17
Recovery Well G-1
VOCs (ppb)
1400
1200
1000
800
600
400
200
0
May-02
Nov-02
May-03
Nov-03
May-04
Nov-04
May-05
Nov-05
May-06
Nov-06
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May-08
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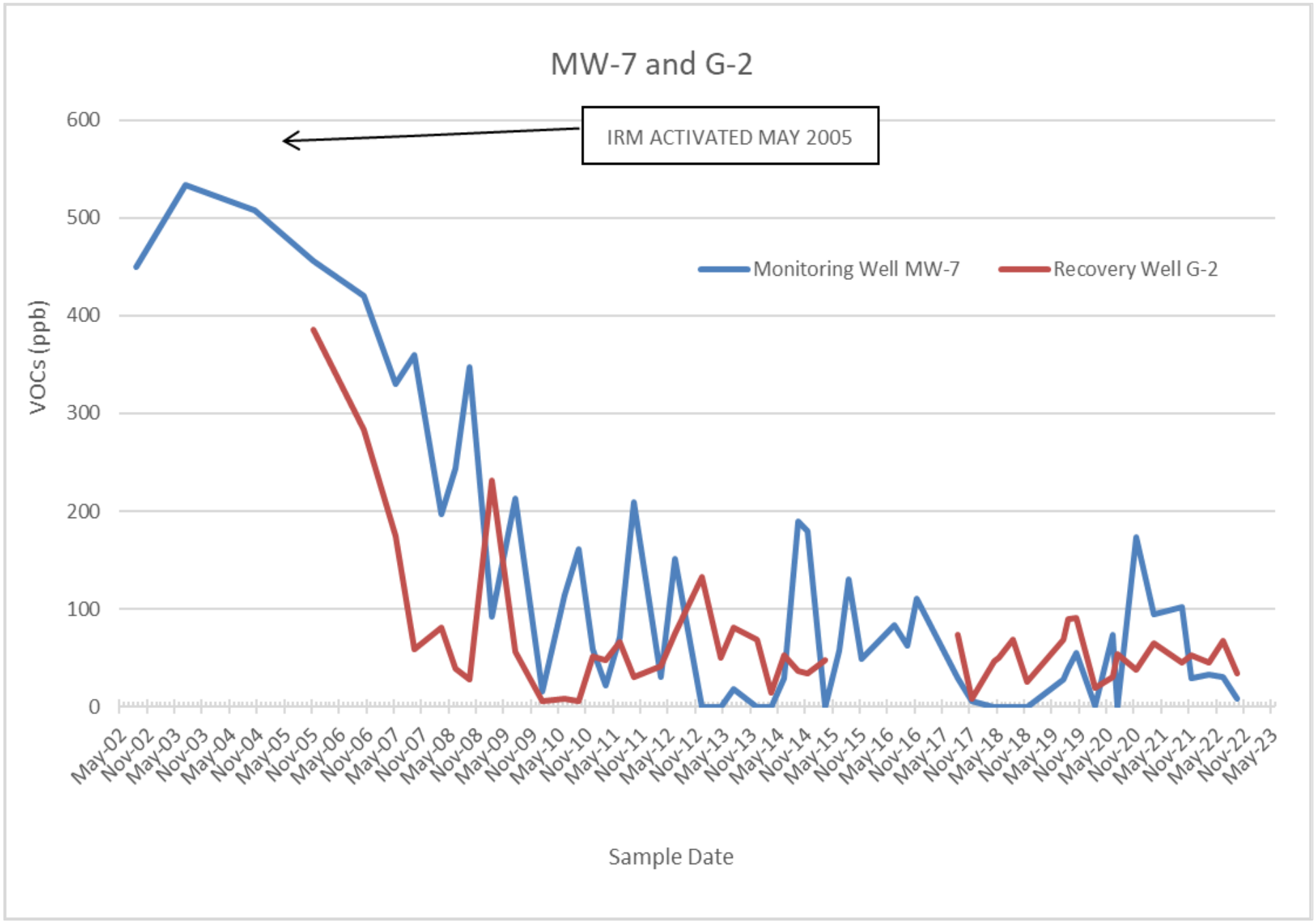
May-22
Nov-22
May-23
Sample Date


MW-7 and G-2
IRM ACTIVATED MAY 2005
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
May-06
Nov-06
May-07
Nov-07
May-08
Nov-08
May-09
Nov-09
May-10
Nov-10
May-11
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Nov-12
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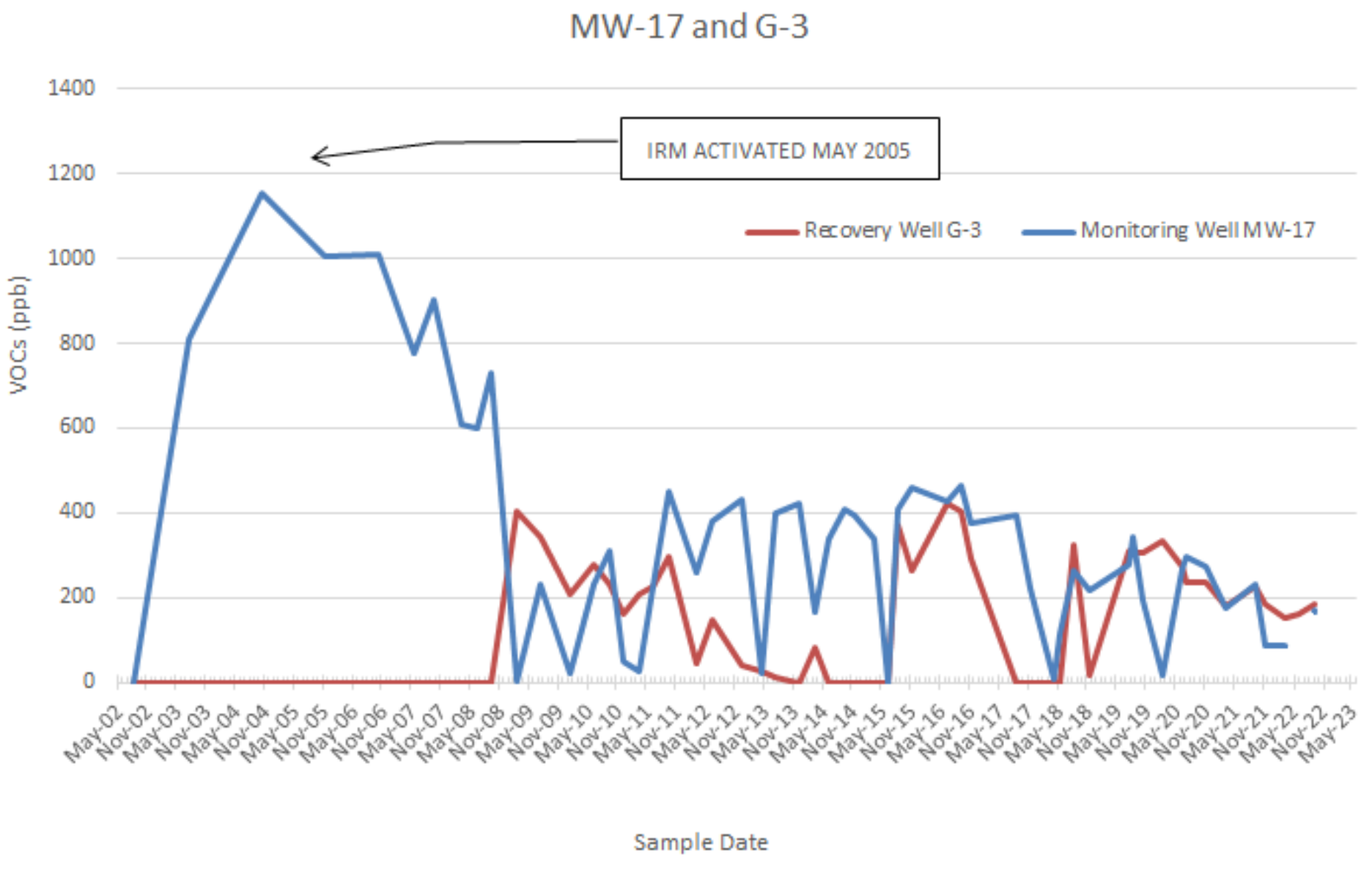
May-20
Nov-20
May-21
Nov-21
May-22
Nov-22
May-23
Sample Date


MW-17 and G-3
IRM ACTIVATED MAY 2005
Recovery Well G-3
Monitoring Well MW-17
VOCs (ppb)
1400
1200
1000
800
600
400
200
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
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May-19
Nov-19
May-20
Nov-20
May-21
Nov-21
May-22
Nov-22
May-23
Sample Date

APPENDICES

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APPENDIX A:

Laboratory Analytical Results Report - September 2022 Sampling Event

ANALYTICAL REPORT

Lab Number:	L2254247
Client:	Bergmann Associates 280 E Broad Street Rochester, NY 14604
ATTN:	Ariadna Cheremeteff
Phone:	(585) 498-7950
Project Name:	Q3 GOWANDA 2022
Project Number:	14263.07
Report Date:	10/14/22

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: Q3 GOWANDA 2022
Project Number: 14263.07

Lab Number: L2254247
Report Date: 10/14/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2254247-01	MW-1	WATER	GOWANDA, NY	09/30/22 07:35	09/30/22
L2254247-02	MW-2	WATER	GOWANDA, NY	09/30/22 07:17	09/30/22
L2254247-03	MW-3	WATER	GOWANDA, NY	09/30/22 07:00	09/30/22
L2254247-04	MW-4	WATER	GOWANDA, NY	09/30/22 09:10	09/30/22
L2254247-05	MW-5	WATER	GOWANDA, NY	09/30/22 09:35	09/30/22
L2254247-06	MW-6	WATER	GOWANDA, NY	09/30/22 09:59	09/30/22
L2254247-07	MW-7	WATER	GOWANDA, NY	09/29/22 13:55	09/30/22
L2254247-08	MW-8	WATER	GOWANDA, NY	09/30/22 08:21	09/30/22
L2254247-09	MW-9	WATER	GOWANDA, NY	09/30/22 07:58	09/30/22
L2254247-10	MW-10	WATER	GOWANDA, NY	09/30/22 08:52	09/30/22
L2254247-11	MW-11	WATER	GOWANDA, NY	09/29/22 12:50	09/30/22
L2254247-12	MW-12	WATER	GOWANDA, NY	09/29/22 13:12	09/30/22
L2254247-13	MW-13	WATER	GOWANDA, NY	09/29/22 13:30	09/30/22
L2254247-14	MW-14	WATER	GOWANDA, NY	09/29/22 11:10	09/30/22
L2254247-15	MW-15	WATER	GOWANDA, NY	09/29/22 10:20	09/30/22
L2254247-16	MW-16	WATER	GOWANDA, NY	09/29/22 14:10	09/30/22
L2254247-17	MW-17	WATER	GOWANDA, NY	09/29/22 14:58	09/30/22
L2254247-18	MW-18	WATER	GOWANDA, NY	09/30/22 10:24	09/30/22
L2254247-19	MW-19R	WATER	GOWANDA, NY	09/30/22 11:10	09/30/22
L2254247-20	MW-20	WATER	GOWANDA, NY	09/30/22 09:25	09/30/22
L2254247-21	MW21	WATER	GOWANDA, NY	09/30/22 10:39	09/30/22
L2254247-22	DR-1	WATER	GOWANDA, NY	09/29/22 12:35	09/30/22
L2254247-23	DR-2	WATER	GOWANDA, NY	09/29/22 12:09	09/30/22
L2254247-24	DR-3	WATER	GOWANDA, NY	09/29/22 11:39	09/30/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2254247-25	DR-4	WATER	GOWANDA, NY	09/29/22 10:52	09/30/22
L2254247-26	G-1	WATER	GOWANDA, NY	09/29/22 10:11	09/30/22
L2254247-27	G-2	WATER	GOWANDA, NY	09/29/22 09:48	09/30/22
L2254247-28	G-3	WATER	GOWANDA, NY	09/29/22 14:35	09/30/22
L2254247-29	MW-X	WATER	GOWANDA, NY	09/29/22 00:00	09/30/22
L2254247-30	EB	WATER	GOWANDA, NY	09/30/22 11:17	09/30/22
L2254247-31	TRIP BLANK	WATER	GOWANDA, NY	09/30/22 00:00	09/30/22

Project Name:	Q3 GOWANDA 2022	**Lab Number:**	L2254247
Project Number:	14263.07	**Report Date:**	10/14/22

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	Q3 GOWANDA 2022	**Lab Number:**	L2254247
Project Number:	14263.07	**Report Date:**	10/14/22

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L2254247-08: The collection date on the chain of custody was 29-SEP-22; however, the collection date on the container label was 30-SEP-22. At the client's request, the collection date is reported as 30-SEP-22.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Caitlin Walukevich

Title: Technical Director/Representative Date: 10/14/22

ORGANICS

VOLATILES

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-01 D
Client ID: MW-1
Sample Location: GOWANDA, NY

Date Collected: 09/30/22 07:35
Date Received: 09/30/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/10/22 14:04
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	25	7.0	10
1,1-Dichloroethane	ND		ug/l	25	7.0	10
Chloroform	ND		ug/l	25	7.0	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
1,2-Dichloropropane	ND		ug/l	10	1.4	10
Dibromochloromethane	ND		ug/l	5.0	1.5	10
1,1,2-Trichloroethane	ND		ug/l	15	5.0	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	25	7.0	10
Trichlorofluoromethane	ND		ug/l	25	7.0	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
1,1,1-Trichloroethane	ND		ug/l	25	7.0	10
Bromodichloromethane	ND		ug/l	5.0	1.9	10
trans-1,3-Dichloropropene	ND		ug/l	5.0	1.6	10
cis-1,3-Dichloropropene	ND		ug/l	5.0	1.4	10
Bromoform	ND		ug/l	20	6.5	10
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	1.7	10
Benzene	ND		ug/l	5.0	1.6	10
Toluene	ND		ug/l	25	7.0	10
Ethylbenzene	ND		ug/l	25	7.0	10
Chloromethane	ND		ug/l	25	7.0	10
Bromomethane	ND		ug/l	25	7.0	10
Vinyl chloride	1.3	J	ug/l	10	0.71	10
Chloroethane	ND		ug/l	25	7.0	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
trans-1,2-Dichloroethene	11	J	ug/l	25	7.0	10
Trichloroethene	860		ug/l	5.0	1.8	10
1,2-Dichlorobenzene	ND		ug/l	25	7.0	10

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-01 D Date Collected: 09/30/22 07:35

Client ID: MW-1 Date Received: 09/30/22

Sample Location: GOWANDA, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	25	7.0	10
1,4-Dichlorobenzene	ND		ug/l	25	7.0	10
Methyl tert butyl ether	ND		ug/l	25	7.0	10
p/m-Xylene	ND		ug/l	25	7.0	10
o-Xylene	ND		ug/l	25	7.0	10
cis-1,2-Dichloroethene	130		ug/l	25	7.0	10
Styrene	ND		ug/l	25	7.0	10
Dichlorodifluoromethane	ND		ug/l	50	10.	10
Acetone	ND		ug/l	50	15.	10
Carbon disulfide	ND		ug/l	50	10.	10
2-Butanone	ND		ug/l	50	19.	10
4-Methyl-2-pentanone	ND		ug/l	50	10.	10
2-Hexanone	ND		ug/l	50	10.	10
Bromochloromethane	ND		ug/l	25	7.0	10
1,2-Dibromoethane	ND		ug/l	20	6.5	10
1,2-Dibromo-3-chloropropane	ND		ug/l	25	7.0	10
Isopropylbenzene	ND		ug/l	25	7.0	10
1,2,3-Trichlorobenzene	ND		ug/l	25	7.0	10
1,2,4-Trichlorobenzene	ND		ug/l	25	7.0	10
Methyl Acetate	ND		ug/l	20	2.3	10
Cyclohexane	ND		ug/l	100	2.7	10
1,4-Dioxane	ND		ug/l	2500	610	10
Freon-113	ND		ug/l	25	7.0	10
Methyl cyclohexane	ND		ug/l	100	4.0	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	115		70-130

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-02 Date Collected: 09/30/22 07:17
Client ID: MW-2 Date Received: 09/30/22
Sample Location: GOWANDA, NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/10/22 14:27
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	130		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-02 Date Collected: 09/30/22 07:17

Client ID: MW-2 Date Received: 09/30/22

Sample Location: GOWANDA, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.7	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	114		70-130

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-03 Date Collected: 09/30/22 07:00

Client ID: MW-3 Date Received: 09/30/22

Sample Location: GOWANDA, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 10/10/22 14:51

Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.22	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-03 Date Collected: 09/30/22 07:00

Client ID: MW-3 Date Received: 09/30/22

Sample Location: GOWANDA, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	0.92	J	ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	117		70-130

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-04
Client ID: MW-4
Sample Location: GOWANDA, NY

Date Collected: 09/30/22 09:10
Date Received: 09/30/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/10/22 15:14
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-04 Date Collected: 09/30/22 09:10

Client ID: MW-4 Date Received: 09/30/22

Sample Location: GOWANDA, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	118		70-130

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-05 Date Collected: 09/30/22 09:35
Client ID: MW-5 Date Received: 09/30/22
Sample Location: GOWANDA, NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/10/22 15:37
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.75		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-05 Date Collected: 09/30/22 09:35

Client ID: MW-5 Date Received: 09/30/22

Sample Location: GOWANDA, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	119		70-130

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-06 Date Collected: 09/30/22 09:59
Client ID: MW-6 Date Received: 09/30/22
Sample Location: GOWANDA, NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/10/22 16:01
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	130		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-06 Date Collected: 09/30/22 09:59

Client ID: MW-6 Date Received: 09/30/22

Sample Location: GOWANDA, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	54		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	115		70-130

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-07
Client ID: MW-7
Sample Location: GOWANDA, NY

Date Collected: 09/29/22 13:55
Date Received: 09/30/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/09/22 13:32
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.46	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-07 Date Collected: 09/29/22 13:55

Client ID: MW-7 Date Received: 09/30/22

Sample Location: GOWANDA, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	8.3		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	1.1	J	ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	101		70-130

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-08
Client ID: MW-8
Sample Location: GOWANDA, NY

Date Collected: 09/30/22 08:21
Date Received: 09/30/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/10/22 16:24
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-08 Date Collected: 09/30/22 08:21

Client ID: MW-8 Date Received: 09/30/22

Sample Location: GOWANDA, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	118		70-130

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-09
Client ID: MW-9
Sample Location: GOWANDA, NY

Date Collected: 09/30/22 07:58
Date Received: 09/30/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/10/22 10:59
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-09 Date Collected: 09/30/22 07:58

Client ID: MW-9 Date Received: 09/30/22

Sample Location: GOWANDA, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.7	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	98		70-130

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-10 Date Collected: 09/30/22 08:52
Client ID: MW-10 Date Received: 09/30/22
Sample Location: GOWANDA, NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/10/22 11:23
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-10 Date Collected: 09/30/22 08:52

Client ID: MW-10 Date Received: 09/30/22

Sample Location: GOWANDA, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	97		70-130

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-11 D
Client ID: MW-11
Sample Location: GOWANDA, NY

Date Collected: 09/29/22 12:50
Date Received: 09/30/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/09/22 14:35
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	6.2	1.8	2.5
1,1-Dichloroethane	ND		ug/l	6.2	1.8	2.5
Chloroform	ND		ug/l	6.2	1.8	2.5
Carbon tetrachloride	ND		ug/l	1.2	0.34	2.5
1,2-Dichloropropane	ND		ug/l	2.5	0.34	2.5
Dibromochloromethane	ND		ug/l	1.2	0.37	2.5
1,1,2-Trichloroethane	ND		ug/l	3.8	1.2	2.5
Tetrachloroethene	ND		ug/l	1.2	0.45	2.5
Chlorobenzene	ND		ug/l	6.2	1.8	2.5
Trichlorofluoromethane	ND		ug/l	6.2	1.8	2.5
1,2-Dichloroethane	ND		ug/l	1.2	0.33	2.5
1,1,1-Trichloroethane	ND		ug/l	6.2	1.8	2.5
Bromodichloromethane	ND		ug/l	1.2	0.48	2.5
trans-1,3-Dichloropropene	ND		ug/l	1.2	0.41	2.5
cis-1,3-Dichloropropene	ND		ug/l	1.2	0.36	2.5
Bromoform	ND		ug/l	5.0	1.6	2.5
1,1,2,2-Tetrachloroethane	ND		ug/l	1.2	0.42	2.5
Benzene	ND		ug/l	1.2	0.40	2.5
Toluene	ND		ug/l	6.2	1.8	2.5
Ethylbenzene	ND		ug/l	6.2	1.8	2.5
Chloromethane	ND		ug/l	6.2	1.8	2.5
Bromomethane	ND		ug/l	6.2	1.8	2.5
Vinyl chloride	1.8	J	ug/l	2.5	0.18	2.5
Chloroethane	ND		ug/l	6.2	1.8	2.5
1,1-Dichloroethene	ND		ug/l	1.2	0.42	2.5
trans-1,2-Dichloroethene	8.2		ug/l	6.2	1.8	2.5
Trichloroethene	200		ug/l	1.2	0.44	2.5
1,2-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-11 D
Client ID: MW-11
Sample Location: GOWANDA, NY

Date Collected: 09/29/22 12:50
Date Received: 09/30/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5
1,4-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5
Methyl tert butyl ether	ND		ug/l	6.2	1.8	2.5
p/m-Xylene	ND		ug/l	6.2	1.8	2.5
o-Xylene	ND		ug/l	6.2	1.8	2.5
cis-1,2-Dichloroethene	140		ug/l	6.2	1.8	2.5
Styrene	ND		ug/l	6.2	1.8	2.5
Dichlorodifluoromethane	ND		ug/l	12	2.5	2.5
Acetone	ND		ug/l	12	3.6	2.5
Carbon disulfide	ND		ug/l	12	2.5	2.5
2-Butanone	ND		ug/l	12	4.8	2.5
4-Methyl-2-pentanone	ND		ug/l	12	2.5	2.5
2-Hexanone	ND		ug/l	12	2.5	2.5
Bromochloromethane	ND		ug/l	6.2	1.8	2.5
1,2-Dibromoethane	ND		ug/l	5.0	1.6	2.5
1,2-Dibromo-3-chloropropane	ND		ug/l	6.2	1.8	2.5
Isopropylbenzene	ND		ug/l	6.2	1.8	2.5
1,2,3-Trichlorobenzene	ND		ug/l	6.2	1.8	2.5
1,2,4-Trichlorobenzene	ND		ug/l	6.2	1.8	2.5
Methyl Acetate	ND		ug/l	5.0	0.58	2.5
Cyclohexane	ND		ug/l	25	0.68	2.5
1,4-Dioxane	ND		ug/l	620	150	2.5
Freon-113	ND		ug/l	6.2	1.8	2.5
Methyl cyclohexane	ND		ug/l	25	0.99	2.5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	99		70-130

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-12 Date Collected: 09/29/22 13:12
Client ID: MW-12 Date Received: 09/30/22
Sample Location: GOWANDA, NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/09/22 13:53
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.10	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	1.2	J	ug/l	2.5	0.70	1
Trichloroethene	23		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-12 Date Collected: 09/29/22 13:12

Client ID: MW-12 Date Received: 09/30/22

Sample Location: GOWANDA, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	54		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	98		70-130

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-13 Date Collected: 09/29/22 13:30
Client ID: MW-13 Date Received: 09/30/22
Sample Location: GOWANDA, NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/09/22 14:14
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.96		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-13 Date Collected: 09/29/22 13:30

Client ID: MW-13 Date Received: 09/30/22

Sample Location: GOWANDA, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	98		70-130

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-14
Client ID: MW-14
Sample Location: GOWANDA, NY

Date Collected: 09/29/22 11:10
Date Received: 09/30/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/09/22 14:56
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	1.2		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	9.7		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-14 Date Collected: 09/29/22 11:10

Client ID: MW-14 Date Received: 09/30/22

Sample Location: GOWANDA, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	81		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	100		70-130

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-15
Client ID: MW-15
Sample Location: GOWANDA, NY

Date Collected: 09/29/22 10:20
Date Received: 09/30/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/09/22 15:17
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	3.7		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-15 Date Collected: 09/29/22 10:20

Client ID: MW-15 Date Received: 09/30/22

Sample Location: GOWANDA, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	97		70-130

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-16 Date Collected: 09/29/22 14:10
Client ID: MW-16 Date Received: 09/30/22
Sample Location: GOWANDA, NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/09/22 15:39
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.42	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-16 Date Collected: 09/29/22 14:10

Client ID: MW-16 Date Received: 09/30/22

Sample Location: GOWANDA, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	9.3		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	99		70-130

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-17 D
Client ID: MW-17
Sample Location: GOWANDA, NY

Date Collected: 09/29/22 14:58
Date Received: 09/30/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/09/22 16:00
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	ND		ug/l	5.0	1.4	2
Chloroform	ND		ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	ND		ug/l	3.0	1.0	2
Tetrachloroethene	ND		ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	ND		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	ND		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Benzene	ND		ug/l	1.0	0.32	2
Toluene	ND		ug/l	5.0	1.4	2
Ethylbenzene	ND		ug/l	5.0	1.4	2
Chloromethane	ND		ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	0.22	J	ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	ND		ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2
Trichloroethene	12		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-17 D
Client ID: MW-17
Sample Location: GOWANDA, NY

Date Collected: 09/29/22 14:58
Date Received: 09/30/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	1.4	2
p/m-Xylene	ND		ug/l	5.0	1.4	2
o-Xylene	ND		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	160		ug/l	5.0	1.4	2
Styrene	ND		ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	ND		ug/l	10	2.9	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	ND		ug/l	10	3.9	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Isopropylbenzene	ND		ug/l	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl Acetate	ND		ug/l	4.0	0.47	2
Cyclohexane	ND		ug/l	20	0.54	2
1,4-Dioxane	ND		ug/l	500	120	2
Freon-113	ND		ug/l	5.0	1.4	2
Methyl cyclohexane	ND		ug/l	20	0.79	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	100		70-130

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-18
Client ID: MW-18
Sample Location: GOWANDA, NY

Date Collected: 09/30/22 10:24
Date Received: 09/30/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/10/22 11:47
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.09	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.82		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-18 Date Collected: 09/30/22 10:24

Client ID: MW-18 Date Received: 09/30/22

Sample Location: GOWANDA, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	6.1		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	98		70-130

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-19
Client ID: MW-19R
Sample Location: GOWANDA, NY

Date Collected: 09/30/22 11:10
Date Received: 09/30/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/10/22 12:11
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.22	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-19 Date Collected: 09/30/22 11:10

Client ID: MW-19R Date Received: 09/30/22

Sample Location: GOWANDA, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	96		70-130

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-20
Client ID: MW-20
Sample Location: GOWANDA, NY

Date Collected: 09/30/22 09:25
Date Received: 09/30/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/10/22 12:35
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-20 Date Collected: 09/30/22 09:25

Client ID: MW-20 Date Received: 09/30/22

Sample Location: GOWANDA, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	97		70-130

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-21 Date Collected: 09/30/22 10:39
Client ID: MW21 Date Received: 09/30/22
Sample Location: GOWANDA, NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/10/22 12:58
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.98	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	1.5		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-21 Date Collected: 09/30/22 10:39

Client ID: MW21 Date Received: 09/30/22

Sample Location: GOWANDA, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	23		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.0	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	95		70-130

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-22 D
Client ID: DR-1
Sample Location: GOWANDA, NY

Date Collected: 09/29/22 12:35
Date Received: 09/30/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/09/22 16:21
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	6.2	1.8	2.5
1,1-Dichloroethane	ND		ug/l	6.2	1.8	2.5
Chloroform	ND		ug/l	6.2	1.8	2.5
Carbon tetrachloride	ND		ug/l	1.2	0.34	2.5
1,2-Dichloropropane	ND		ug/l	2.5	0.34	2.5
Dibromochloromethane	ND		ug/l	1.2	0.37	2.5
1,1,2-Trichloroethane	ND		ug/l	3.8	1.2	2.5
Tetrachloroethene	ND		ug/l	1.2	0.45	2.5
Chlorobenzene	ND		ug/l	6.2	1.8	2.5
Trichlorofluoromethane	ND		ug/l	6.2	1.8	2.5
1,2-Dichloroethane	ND		ug/l	1.2	0.33	2.5
1,1,1-Trichloroethane	ND		ug/l	6.2	1.8	2.5
Bromodichloromethane	ND		ug/l	1.2	0.48	2.5
trans-1,3-Dichloropropene	ND		ug/l	1.2	0.41	2.5
cis-1,3-Dichloropropene	ND		ug/l	1.2	0.36	2.5
Bromoform	ND		ug/l	5.0	1.6	2.5
1,1,2,2-Tetrachloroethane	ND		ug/l	1.2	0.42	2.5
Benzene	ND		ug/l	1.2	0.40	2.5
Toluene	ND		ug/l	6.2	1.8	2.5
Ethylbenzene	ND		ug/l	6.2	1.8	2.5
Chloromethane	ND		ug/l	6.2	1.8	2.5
Bromomethane	ND		ug/l	6.2	1.8	2.5
Vinyl chloride	ND		ug/l	2.5	0.18	2.5
Chloroethane	ND		ug/l	6.2	1.8	2.5
1,1-Dichloroethene	ND		ug/l	1.2	0.42	2.5
trans-1,2-Dichloroethene	2.8	J	ug/l	6.2	1.8	2.5
Trichloroethene	200		ug/l	1.2	0.44	2.5
1,2-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-22 D Date Collected: 09/29/22 12:35

Client ID: DR-1 Date Received: 09/30/22

Sample Location: GOWANDA, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5
1,4-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5
Methyl tert butyl ether	ND		ug/l	6.2	1.8	2.5
p/m-Xylene	ND		ug/l	6.2	1.8	2.5
o-Xylene	ND		ug/l	6.2	1.8	2.5
cis-1,2-Dichloroethene	23		ug/l	6.2	1.8	2.5
Styrene	ND		ug/l	6.2	1.8	2.5
Dichlorodifluoromethane	ND		ug/l	12	2.5	2.5
Acetone	ND		ug/l	12	3.6	2.5
Carbon disulfide	ND		ug/l	12	2.5	2.5
2-Butanone	ND		ug/l	12	4.8	2.5
4-Methyl-2-pentanone	ND		ug/l	12	2.5	2.5
2-Hexanone	ND		ug/l	12	2.5	2.5
Bromochloromethane	ND		ug/l	6.2	1.8	2.5
1,2-Dibromoethane	ND		ug/l	5.0	1.6	2.5
1,2-Dibromo-3-chloropropane	ND		ug/l	6.2	1.8	2.5
Isopropylbenzene	ND		ug/l	6.2	1.8	2.5
1,2,3-Trichlorobenzene	ND		ug/l	6.2	1.8	2.5
1,2,4-Trichlorobenzene	ND		ug/l	6.2	1.8	2.5
Methyl Acetate	ND		ug/l	5.0	0.58	2.5
Cyclohexane	ND		ug/l	25	0.68	2.5
1,4-Dioxane	ND		ug/l	620	150	2.5
Freon-113	ND		ug/l	6.2	1.8	2.5
Methyl cyclohexane	ND		ug/l	25	0.99	2.5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	98		70-130

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-23 Date Collected: 09/29/22 12:09
Client ID: DR-2 Date Received: 09/30/22
Sample Location: GOWANDA, NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/09/22 16:42
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.70	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.24	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	1.0	J	ug/l	2.5	0.70	1
Trichloroethene	17		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-23 Date Collected: 09/29/22 12:09

Client ID: DR-2 Date Received: 09/30/22

Sample Location: GOWANDA, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	110		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	100		70-130

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-24 Date Collected: 09/29/22 11:39
Client ID: DR-3 Date Received: 09/30/22
Sample Location: GOWANDA, NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/09/22 17:03
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	1.3		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	0.75	J	ug/l	2.5	0.70	1
Trichloroethene	23		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-24 Date Collected: 09/29/22 11:39

Client ID: DR-3 Date Received: 09/30/22

Sample Location: GOWANDA, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	51		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	98		70-130

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-25 Date Collected: 09/29/22 10:52
Client ID: DR-4 Date Received: 09/30/22
Sample Location: GOWANDA, NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/09/22 15:46
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.25	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	20		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-25 Date Collected: 09/29/22 10:52

Client ID: DR-4 Date Received: 09/30/22

Sample Location: GOWANDA, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	11		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	96		70-130

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-26
Client ID: G-1
Sample Location: GOWANDA, NY

Date Collected: 09/29/22 10:11
Date Received: 09/30/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/09/22 16:10
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	1.2		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.19	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	4.3		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-26 Date Collected: 09/29/22 10:11

Client ID: G-1 Date Received: 09/30/22

Sample Location: GOWANDA, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	82		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	96		70-130

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-27
Client ID: G-2
Sample Location: GOWANDA, NY

Date Collected: 09/29/22 09:48
Date Received: 09/30/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/09/22 16:34
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.41	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.50		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-27 Date Collected: 09/29/22 09:48

Client ID: G-2 Date Received: 09/30/22

Sample Location: GOWANDA, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	33		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	97		70-130

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-28
Client ID: G-3
Sample Location: GOWANDA, NY

Date Collected: 09/29/22 14:35
Date Received: 09/30/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/11/22 10:24
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.39	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.28	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	1.3	J	ug/l	2.5	0.70	1
Trichloroethene	21		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-28 Date Collected: 09/29/22 14:35

Client ID: G-3 Date Received: 09/30/22

Sample Location: GOWANDA, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	160		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	101		70-130

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-29 D
Client ID: MW-X
Sample Location: GOWANDA, NY

Date Collected: 09/29/22 00:00
Date Received: 09/30/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/09/22 17:22
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	ND		ug/l	5.0	1.4	2
Chloroform	ND		ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	ND		ug/l	3.0	1.0	2
Tetrachloroethene	ND		ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	ND		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	ND		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Benzene	ND		ug/l	1.0	0.32	2
Toluene	ND		ug/l	5.0	1.4	2
Ethylbenzene	ND		ug/l	5.0	1.4	2
Chloromethane	ND		ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	ND		ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	ND		ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	2.8	J	ug/l	5.0	1.4	2
Trichloroethene	190		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-29 D
Client ID: MW-X
Sample Location: GOWANDA, NY

Date Collected: 09/29/22 00:00
Date Received: 09/30/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	1.4	2
p/m-Xylene	ND		ug/l	5.0	1.4	2
o-Xylene	ND		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	23		ug/l	5.0	1.4	2
Styrene	ND		ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	ND		ug/l	10	2.9	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	ND		ug/l	10	3.9	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Isopropylbenzene	ND		ug/l	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl Acetate	ND		ug/l	4.0	0.47	2
Cyclohexane	ND		ug/l	20	0.54	2
1,4-Dioxane	ND		ug/l	500	120	2
Freon-113	ND		ug/l	5.0	1.4	2
Methyl cyclohexane	ND		ug/l	20	0.79	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	96		70-130

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-30 Date Collected: 09/30/22 11:17
Client ID: EB Date Received: 09/30/22
Sample Location: GOWANDA, NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/10/22 13:22
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-30 Date Collected: 09/30/22 11:17

Client ID: EB Date Received: 09/30/22

Sample Location: GOWANDA, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	97		70-130

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-31
Client ID: TRIP BLANK
Sample Location: GOWANDA, NY

Date Collected: 09/30/22 00:00
Date Received: 09/30/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/10/22 13:46
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

SAMPLE RESULTS

Lab ID: L2254247-31 Date Collected: 09/30/22 00:00

Client ID: TRIP BLANK Date Received: 09/30/22

Sample Location: GOWANDA, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	95		70-130

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/09/22 10:01
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07,11-17,22-24 Batch: WG1697566-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/09/22 10:01
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07,11-17,22-24 Batch: WG1697566-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/09/22 10:01
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07,11-17,22-24 Batch: WG1697566-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	99		70-130

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/09/22 11:25
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 25-27,29 Batch: WG1697796-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/09/22 11:25
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 25-27,29 Batch: WG1697796-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/09/22 11:25
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 25-27,29 Batch: WG1697796-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	96		70-130

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/10/22 10:36
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09-10,18-21,30-31 Batch: WG1697836-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/10/22 10:36
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09-10,18-21,30-31 Batch: WG1697836-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/10/22 10:36
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09-10,18-21,30-31 Batch: WG1697836-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	96		70-130

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/10/22 08:38
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06,08 Batch: WG1698171-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/10/22 08:38
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06,08 Batch: WG1698171-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/10/22 08:38
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06,08 Batch: WG1698171-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	113		70-130

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/11/22 10:03
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 28 Batch: WG1698708-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/11/22 10:03
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 28 Batch: WG1698708-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: Q3 GOWANDA 2022 **Lab Number:** L2254247

Project Number: 14263.07 **Report Date:** 10/14/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/11/22 10:03
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 28 Batch: WG1698708-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	103		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: Q3 GOWANDA 2022
Project Number: 14263.07

Lab Number: L2254247
Report Date: 10/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07,11-17,22-24 Batch: WG1697566-3 WG1697566-4								
Methylene chloride	98		97		70-130	1		20
1,1-Dichloroethane	96		95		70-130	1		20
Chloroform	97		96		70-130	1		20
Carbon tetrachloride	100		98		63-132	2		20
1,2-Dichloropropane	92		92		70-130	0		20
Dibromochloromethane	90		90		63-130	0		20
1,1,2-Trichloroethane	89		93		70-130	4		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	96		97		75-130	1		20
Trichlorofluoromethane	100		96		62-150	4		20
1,2-Dichloroethane	91		89		70-130	2		20
1,1,1-Trichloroethane	100		98		67-130	2		20
Bromodichloromethane	88		89		67-130	1		20
trans-1,3-Dichloropropene	92		90		70-130	2		20
cis-1,3-Dichloropropene	84		83		70-130	1		20
Bromoform	82		86		54-136	5		20
1,1,2,2-Tetrachloroethane	80		86		67-130	7		20
Benzene	96		94		70-130	2		20
Toluene	97		97		70-130	0		20
Ethylbenzene	96		96		70-130	0		20
Chloromethane	97		96		64-130	1		20
Bromomethane	92		93		39-139	1		20
Vinyl chloride	98		95		55-140	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: Q3 GOWANDA 2022
Project Number: 14263.07

Lab Number: L2254247
Report Date: 10/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07,11-17,22-24 Batch: WG1697566-3 WG1697566-4								
Chloroethane	110		100		55-138	10		20
1,1-Dichloroethene	97		93		61-145	4		20
trans-1,2-Dichloroethene	95		93		70-130	2		20
Trichloroethene	97		95		70-130	2		20
1,2-Dichlorobenzene	90		94		70-130	4		20
1,3-Dichlorobenzene	96		100		70-130	4		20
1,4-Dichlorobenzene	94		98		70-130	4		20
Methyl tert butyl ether	86		88		63-130	2		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	95		93		70-130	2		20
Styrene	105		105		70-130	0		20
Dichlorodifluoromethane	94		92		36-147	2		20
Acetone	67		72		58-148	7		20
Carbon disulfide	99		95		51-130	4		20
2-Butanone	74		72		63-138	3		20
4-Methyl-2-pentanone	84		80		59-130	5		20
2-Hexanone	77		79		57-130	3		20
Bromochloromethane	93		93		70-130	0		20
1,2-Dibromoethane	91		88		70-130	3		20
1,2-Dibromo-3-chloropropane	78		82		41-144	5		20
Isopropylbenzene	91		97		70-130	6		20
1,2,3-Trichlorobenzene	89		94		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: Q3 GOWANDA 2022

Project Number: 14263.07

Lab Number: L2254247

Report Date: 10/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07,11-17,22-24 Batch: WG1697566-3 WG1697566-4								
1,2,4-Trichlorobenzene	86		90		70-130	5		20
Methyl Acetate	80		81		70-130	1		20
Cyclohexane	98		96		70-130	2		20
1,4-Dioxane	84		80		56-162	5		20
Freon-113	98		95		70-130	3		20
Methyl cyclohexane	96		96		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	93		94		70-130
Toluene-d8	103		102		70-130
4-Bromofluorobenzene	95		99		70-130
Dibromofluoromethane	95		95		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: Q3 GOWANDA 2022

Project Number: 14263.07

Lab Number: L2254247

Report Date: 10/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 25-27,29 Batch: WG1697796-3 WG1697796-4								
Methylene chloride	100		99		70-130	1		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	94		93		63-132	1		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	96		93		63-130	3		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	99		98		70-130	1		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	93		93		62-150	0		20
1,2-Dichloroethane	100		99		70-130	1		20
1,1,1-Trichloroethane	99		97		67-130	2		20
Bromodichloromethane	99		96		67-130	3		20
trans-1,3-Dichloropropene	99		96		70-130	3		20
cis-1,3-Dichloropropene	100		98		70-130	2		20
Bromoform	89		87		54-136	2		20
1,1,2,2-Tetrachloroethane	100		100		67-130	0		20
Benzene	100		100		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	88		86		64-130	2		20
Bromomethane	39		43		39-139	10		20
Vinyl chloride	100		100		55-140	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: Q3 GOWANDA 2022
Project Number: 14263.07

Lab Number: L2254247
Report Date: 10/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 25-27,29 Batch: WG1697796-3 WG1697796-4								
Chloroethane	110		100		55-138	10		20
1,1-Dichloroethene	97		96		61-145	1		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	94		93		70-130	1		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	96		94		63-130	2		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	87		86		36-147	1		20
Acetone	88		79		58-148	11		20
Carbon disulfide	99		96		51-130	3		20
2-Butanone	88		86		63-138	2		20
4-Methyl-2-pentanone	93		93		59-130	0		20
2-Hexanone	92		91		57-130	1		20
Bromochloromethane	110		110		70-130	0		20
1,2-Dibromoethane	100		95		70-130	5		20
1,2-Dibromo-3-chloropropane	75		78		41-144	4		20
Isopropylbenzene	100		100		70-130	0		20
1,2,3-Trichlorobenzene	78		88		70-130	12		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: Q3 GOWANDA 2022
Project Number: 14263.07

Lab Number: L2254247
Report Date: 10/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 25-27,29 Batch: WG1697796-3 WG1697796-4								
1,2,4-Trichlorobenzene	90		94		70-130	4		20
Methyl Acetate	100		98		70-130	2		20
Cyclohexane	100		100		70-130	0		20
1,4-Dioxane	104		102		56-162	2		20
Freon-113	98		96		70-130	2		20
Methyl cyclohexane	99		97		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		96		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	100		100		70-130
Dibromofluoromethane	97		97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: Q3 GOWANDA 2022
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Lab Number: L2254247
Report Date: 10/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-10,18-21,30-31 Batch: WG1697836-3 WG1697836-4								
Methylene chloride	96		96		70-130	0		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	96		98		63-132	2		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	92		94		63-130	2		20
1,1,2-Trichloroethane	98		100		70-130	2		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	98		99		62-150	1		20
1,2-Dichloroethane	98		100		70-130	2		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	94		96		67-130	2		20
trans-1,3-Dichloropropene	96		96		70-130	0		20
cis-1,3-Dichloropropene	96		97		70-130	1		20
Bromoform	88		90		54-136	2		20
1,1,2,2-Tetrachloroethane	95		99		67-130	4		20
Benzene	100		100		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	78		81		64-130	4		20
Bromomethane	47		48		39-139	2		20
Vinyl chloride	100		99		55-140	1		20

Lab Control Sample Analysis
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Project Name: Q3 GOWANDA 2022
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Lab Number: L2254247
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-10,18-21,30-31 Batch: WG1697836-3 WG1697836-4								
Chloroethane	110		110		55-138	0		20
1,1-Dichloroethene	98		100		61-145	2		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	91		93		70-130	2		20
1,2-Dichlorobenzene	98		100		70-130	2		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	99		99		70-130	0		20
Methyl tert butyl ether	93		96		63-130	3		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	88		90		36-147	2		20
Acetone	89		82		58-148	8		20
Carbon disulfide	99		97		51-130	2		20
2-Butanone	84		90		63-138	7		20
4-Methyl-2-pentanone	92		96		59-130	4		20
2-Hexanone	87		93		57-130	7		20
Bromochloromethane	100		110		70-130	10		20
1,2-Dibromoethane	97		98		70-130	1		20
1,2-Dibromo-3-chloropropane	75		81		41-144	8		20
Isopropylbenzene	100		100		70-130	0		20
1,2,3-Trichlorobenzene	80		91		70-130	13		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: Q3 GOWANDA 2022
Project Number: 14263.07

Lab Number: L2254247
Report Date: 10/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-10,18-21,30-31 Batch: WG1697836-3 WG1697836-4								
1,2,4-Trichlorobenzene	89		95		70-130	7		20
Methyl Acetate	98		100		70-130	2		20
Cyclohexane	110		110		70-130	0		20
1,4-Dioxane	100		104		56-162	4		20
Freon-113	100		100		70-130	0		20
Methyl cyclohexane	100		100		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		95		70-130
Toluene-d8	101		99		70-130
4-Bromofluorobenzene	101		98		70-130
Dibromofluoromethane	97		97		70-130

Lab Control Sample Analysis

Batch Quality Control

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Lab Number: L2254247

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06,08 Batch: WG1698171-3 WG1698171-4								
Methylene chloride	98		100		70-130	2		20
1,1-Dichloroethane	95		100		70-130	5		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	100		110		63-132	10		20
1,2-Dichloropropane	93		96		70-130	3		20
Dibromochloromethane	97		100		63-130	3		20
1,1,2-Trichloroethane	94		100		70-130	6		20
Tetrachloroethene	92		98		70-130	6		20
Chlorobenzene	97		98		75-130	1		20
Trichlorofluoromethane	130		130		62-150	0		20
1,2-Dichloroethane	98		100		70-130	2		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	95		99		70-130	4		20
cis-1,3-Dichloropropene	96		100		70-130	4		20
Bromoform	83		93		54-136	11		20
1,1,2,2-Tetrachloroethane	92		98		67-130	6		20
Benzene	98		100		70-130	2		20
Toluene	94		95		70-130	1		20
Ethylbenzene	91		94		70-130	3		20
Chloromethane	83		85		64-130	2		20
Bromomethane	95		90		39-139	5		20
Vinyl chloride	100		100		55-140	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: Q3 GOWANDA 2022
Project Number: 14263.07

Lab Number: L2254247
Report Date: 10/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06,08 Batch: WG1698171-3 WG1698171-4								
Chloroethane	**150**	Q	**160**	Q	55-138	6		20
1,1-Dichloroethene	95		99		61-145	4		20
trans-1,2-Dichloroethene	96		98		70-130	2		20
Trichloroethene	97		98		70-130	1		20
1,2-Dichlorobenzene	93		98		70-130	5		20
1,3-Dichlorobenzene	93		96		70-130	3		20
1,4-Dichlorobenzene	92		96		70-130	4		20
Methyl tert butyl ether	80		91		63-130	13		20
p/m-Xylene	90		90		70-130	0		20
o-Xylene	85		90		70-130	6		20
cis-1,2-Dichloroethene	97		99		70-130	2		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	110		120		36-147	9		20
Acetone	94		97		58-148	3		20
Carbon disulfide	94		98		51-130	4		20
2-Butanone	75		98		63-138	**27**	Q	20
4-Methyl-2-pentanone	72		78		59-130	8		20
2-Hexanone	66		76		57-130	14		20
Bromochloromethane	100		100		70-130	0		20
1,2-Dibromoethane	96		98		70-130	2		20
1,2-Dibromo-3-chloropropane	90		100		41-144	11		20
Isopropylbenzene	88		90		70-130	2		20
1,2,3-Trichlorobenzene	92		97		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: Q3 GOWANDA 2022

Project Number: 14263.07

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06,08 Batch: WG1698171-3 WG1698171-4								
1,2,4-Trichlorobenzene	91		94		70-130	3		20
Methyl Acetate	86		95		70-130	10		20
Cyclohexane	86		92		70-130	7		20
1,4-Dioxane	126		130		56-162	3		20
Freon-113	100		110		70-130	10		20
Methyl cyclohexane	94		98		70-130	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	108		111		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	97		96		70-130
Dibromofluoromethane	109		111		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: Q3 GOWANDA 2022
Project Number: 14263.07

Lab Number: L2254247
Report Date: 10/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 28 Batch: WG1698708-3 WG1698708-4								
Methylene chloride	100		98		70-130	2		20
1,1-Dichloroethane	100		99		70-130	1		20
Chloroform	99		97		70-130	2		20
Carbon tetrachloride	100		96		63-132	4		20
1,2-Dichloropropane	93		93		70-130	0		20
Dibromochloromethane	93		90		63-130	3		20
1,1,2-Trichloroethane	93		93		70-130	0		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	100		97		75-130	3		20
Trichlorofluoromethane	110		100		62-150	10		20
1,2-Dichloroethane	95		91		70-130	4		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	89		87		67-130	2		20
trans-1,3-Dichloropropene	88		87		70-130	1		20
cis-1,3-Dichloropropene	81		84		70-130	4		20
Bromoform	85		82		54-136	4		20
1,1,2,2-Tetrachloroethane	85		85		67-130	0		20
Benzene	98		95		70-130	3		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		99		70-130	1		20
Chloromethane	99		96		64-130	3		20
Bromomethane	81		84		39-139	4		20
Vinyl chloride	98		96		55-140	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: Q3 GOWANDA 2022
Project Number: 14263.07

Lab Number: L2254247
Report Date: 10/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 28 Batch: WG1698708-3 WG1698708-4								
Chloroethane	120		120		55-138	0		20
1,1-Dichloroethene	100		100		61-145	0		20
trans-1,2-Dichloroethene	96		94		70-130	2		20
Trichloroethene	97		97		70-130	0		20
1,2-Dichlorobenzene	100		96		70-130	4		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	81		83		63-130	2		20
p/m-Xylene	110		105		70-130	5		20
o-Xylene	110		105		70-130	5		20
cis-1,2-Dichloroethene	97		93		70-130	4		20
Styrene	115		110		70-130	4		20
Dichlorodifluoromethane	100		97		36-147	3		20
Acetone	60		58		58-148	3		20
Carbon disulfide	100		100		51-130	0		20
2-Butanone	68		71		63-138	4		20
4-Methyl-2-pentanone	76		83		59-130	9		20
2-Hexanone	76		78		57-130	3		20
Bromochloromethane	97		99		70-130	2		20
1,2-Dibromoethane	92		91		70-130	1		20
1,2-Dibromo-3-chloropropane	82		81		41-144	1		20
Isopropylbenzene	99		95		70-130	4		20
1,2,3-Trichlorobenzene	95		93		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: Q3 GOWANDA 2022

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 28 Batch: WG1698708-3 WG1698708-4								
1,2,4-Trichlorobenzene	94		91		70-130	3		20
Methyl Acetate	77		84		70-130	9		20
Cyclohexane	94		96		70-130	2		20
1,4-Dioxane	**48**	Q	62		56-162	**25**	Q	20
Freon-113	99		98		70-130	1		20
Methyl cyclohexane	94		94		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		95		70-130
Toluene-d8	104		106		70-130
4-Bromofluorobenzene	96		97		70-130
Dibromofluoromethane	100		98		70-130

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Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2254247-01A	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-01B	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-01C	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-02A	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-02B	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-02C	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-03A	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-03B	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-03C	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-04A	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-04B	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-04C	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-05A	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-05B	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-05C	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-06A	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-06B	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-06C	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-07A	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-07B	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-07C	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-08A	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-08B	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: Q3 GOWANDA 2022
Project Number: 14263.07

Lab Number: L2254247
Report Date: 10/14/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2254247-08C	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-09A	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-09B	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-09C	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-10A	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-10B	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-10C	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-11A	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-11B	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-11C	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-12A	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-12B	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-12C	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-13A	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-13B	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-13C	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-14A	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-14B	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-14C	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-15A	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-15B	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-15C	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-16A	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-16B	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-16C	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-17A	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-17B	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-17C	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: Q3 GOWANDA 2022
Project Number: 14263.07

Lab Number: L2254247
Report Date: 10/14/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2254247-18A	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-18B	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-18C	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-19A	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-19B	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-19C	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-20A	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-20B	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-20C	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-21A	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-21B	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-21C	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-22A	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-22B	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-22C	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-23A	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-23B	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-23C	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-24A	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-24B	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-24C	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-25A	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-25B	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-25C	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-26A	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-26B	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-26C	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-27A	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: Q3 GOWANDA 2022
Project Number: 14263.07

Lab Number: L2254247
Report Date: 10/14/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2254247-27B	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-27C	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-28A	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-28B	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-28C	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-29A	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-29B	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-29C	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-30A	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-30B	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-30C	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-31A	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2254247-31B	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	Q3 GOWANDA 2022	**Lab Number:**	L2254247
Project Number:	14263.07	**Report Date:**	10/14/22

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	Q3 GOWANDA 2022	**Lab Number:**	L2254247
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Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

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Data Qualifiers

Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name:	Q3 GOWANDA 2022	**Lab Number:**	L2254247
Project Number:	14263.07	**Report Date:**	10/14/22

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 4

Date Rec'd in Lab: 10/01/22

ALPHA Job #: L2254247

Client Information
Client: BergMann
Address: 280 E Broad St
Rochester NY 14604
Phone: 607-743-1412
Fax:
Email: JOBRIEN@BERGMANNPC.com

Project Information
Project Name: Q3 Groundwater
Project Location: Groundwater, NY
Project #: 14263.07
(Use Project name as Project #) ☐
Project Manager: ARIADNA Greenstein
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☒ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

NYTL-8260

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Sample Specific Comments

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTL-8260	Sample Specific Comments	Total Bottle
54247-01	MW-1	9/30/22	0735	W	JH	X		
-02	MW-2	9/30/22	0717	W	JH	X		
-03	MW-3	9/30/22	0700	W	JH	X		
-04	MW-4	9/30/22	0910	W	JH	X		
-05	MW-5	9/30/22	0935	W	JH	X		
-06	MW-6	9/30/22	0959	W	JH	X		
-07	MW-7	9/29/22	1355	W	JH	X		
-08	MW-8	9/29/22	0821	W	JH	X		
-09	MW-9	9/30/22	0758	W	JH	X		
-10	MW-10	9/30/22	0852	W	JH	X		

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type													
Preservative													

Relinquished By:	Date/Time	Received By:	Date/Time
	9/30/22 1745	Joseph Foley (AAL)	9/30/22 12:45
Joseph Foley (AAL)	9/30/22 12:45		10/1/22 0004

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

Serial_No:10142210:56

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 4

Date Rec'd in Lab: 10/01/22

ALPHA Job #: L2254247

Project Information

Project Name: Q3GW Wanda 2022
Project Location: Tonawanda, NY
Project #: 14263.07
(Use Project name as Project #) ☐
Project Manager: Arianna Cherenedeff
ALPHAQuote #:

Client Information

Client: Bergmann
Address: 280 E Broad St
Rochester NY 14604
Phone: 607-743-1412
Fax:
Email: [illegible]@Bergmannpc.com

Turn-Around Time

Standard ☒
Rush (only if pre approved) ☐
Due Date:
\# of Days:

Deliverables

☐ ASP-A ☐ ASP-B
☒ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☐ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do

(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: NYCL-8260								Sample Specific Comments	Total Bottles
54247-11	MW-11	9/29/22	1250	W	DD	X									
12	MW-12	9/29/22	1312	W	DD	X									
13	MW-13	9/29/22	1330	W	DD	X									
14	MW-14	9/29/22	1110	W	DD	X									
15	MW-15	9/29/22	1020	W	DD	X									
16	MW-16	9/29/22	1410	W	DD	X									
17	MW-17	9/29/22	1458	W	DD	X									
18	MW-18	9/30/22	1024	W	DD	X									
19	MW-19R	9/30/22	1110	W	DD	X									
20	MW-20	9/30/22	0925	W	DD	X									

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	9/30/22 1245	Jocelyn Tilley (AAL)	9/30/22 12:45
Jocelyn Tilley (AAL)	9/30/22 12:45	[signature]	10/1/22 0000

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Form No: 01-25 HC (rev. 30-Sept-2013)

ALPHA

NEW YORK CHAIN OF CUSTODY

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FAX: 508-898-9193

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Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 3 of 4

Date Rec'd in Lab: 10/01/22

ALPHA Job #: L2254247

Project Information

Project Name: Q3 Gowanda 2022
Project Location: Gowanda, NY
Project #: 14263.07
(Use Project name as Project #) ☐
Project Manager: Ariana Cherenetti
ALPHAQuote #:

Turn-Around Time

Standard ☒
Rush (only if pre approved) ☐
Due Date:
# of Days:

Client Information

Client: Bergmann
Address: 280 E Broad St
Rochester, NY 14604
Phone: 607-743-1412
Fax:
Email: JOBRIEN@Bergmannpc.com

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables

☐ ASP-A ☐ ASP-B
☒ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

ANALYSIS: NYCL-8260

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYCL-8260	Sample Specific Comments	Total Bottles
54247-21	MW 21	9/30/22	1039	W	JO	X		
22	DR-1	9/29/22	1235	W	JO	X		
23	DR-2	9/29/22	1209	W	JO	X		
24	DR-3	9/29/22	1139	W	JO	X		
25	DR-4	9/29/22	1052	W	JO	X		
26	G-1	9/29/22	1011	W	JO	X		
27	G-2	9/29/22	0948	W	JO	X		
28	G3	9/29/22	1435	W	JO	X		
29	MW-X			W	JO	X		
30	EB	9/30/22	1117	W	JO	X		

Preservative Code	Container Code
A = None	P = Plastic
B = HCl	A = Amber Glass
C = HNO_3	V = Vial
D = H_2SO_4	G = Glass
E = NaOH	B = Bacteria Cup
F = MeOH	C = Cube
G = $NaHSO_4$	O = Other
H = $Na_2S_2O_3$	E = Encore
K/E = Zn Ac/NaOH	D = BOD Bottle
O = Other	

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	9/30/22 1245	Jocelyn Foley (AAL)	9/30/22 12:45
Jocelyn Foley (AAL)	9/30/22 12:45	[signature]	10/1/22 0000

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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Page 4 of 4

Date Rec'd in Lab: 10/01/22

ALPHA Job #: L2254247

Client Information
Client: Baymont
Address: 280 E Broad St.
Rochester, NY 14604
Phone: 607-743-1412
Fax:
Email: JORENE@baymontpl.com

Project Information
Project Name: Q3 Gowanda 2022
Project Location: Gowanda, NY
Project #: 14263, 07
(Use Project name as Project #) ☐
Project Manager: AMANDA Clements
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables
☐ ASP-A ☐ ASP-B
☒ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC-8260	Total Bottle
54247-31	TRIP BLANK			W	JLa	X	

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Sample Specific Comments

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type												
Preservative												

Relinquished By:	Date/Time	Received By:	Date/Time
	9/30/22 1245	Jocelyn Tilley (AAL)	9/30/22 12:45
Jocelyn Tilley (AAL)	9/30/22 12:45		10/1/22 0000

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Form No: 01-25 HC (rev. 30-Sept-2013)

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

FIELD FORMS

GROUNDWATER SAMPLING WORKSHEET

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q3 2022
Project Number: 14263.12
Site Location: Gowanda, New York
Sample Date: 9/30/2022
Weather: 50 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: 5.5
Depth to bottom of the well: 16.02
Length of water column in well: 10.52

Volume of water in well casing, gallons: 1.7148
3 Well volumes (= length water column X gal/foot X 3): 5.14
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	526.09	NTU								
Temperature	14.7	°C								
pH	6.77									
Conductivity	0.522	SPC ms/cm								
Oxygen	57.8	DO mg/L								
Salinity										

Time sample was collected: 7:35

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q3 2022
Project Number: 14263.12
Site Location: Gowanda, New York
Sample Date: 9/30/2022
Weather: 50 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: 5.43
Depth to bottom of the well: 17.15
Length of water column in well: 11.72

Volume of water in well casing, gallons: 1.91
3 Well volumes (= length water column X gal/foot X 3): 5.73
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	437.17	NTU								
Temperature	14.5	°C								
pH	6.56									
Conductivity	0.482	SPC ms/cm								
Oxygen	52.3	DO mg/L								
Salinity										

Time sample was collected: 7:17

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q3 2022
Project Number: 14263.12
Site Location: Gowanda, New York
Sample Date: 9/30/2022
Weather: 50 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: 5.75
Depth to bottom of the well: 16.30
Length of water column in well: 10.55

Volume of water in well casing, gallons: 1.7
3 Well volumes (= length water column X gal/foot X 3): 5.16
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	142.78	NTU								
Temperature	17.1	°C								
pH	6.44									
Conductivity	0.116	SPC ms/cm								
Oxygen	47.2	DO mg/L								
Salinity										

Time sample was collected: 7:00

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q3 2022
Project Number: 14263.12
Site Location: Gowanda, New York
Sample Date: 9/30/2022
Weather: 50 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: 6.4
Depth to bottom of the well: 15.78
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): 4.5868
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	495.5	NTU								
Temperature	16.9	°C								
pH	6.3									
Conductivity	0.329	SPC ms/cm								
Oxygen	60.1	DO mg/L								
Salinity										

Time sample was collected: 9:10

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q3 2022
Project Number: 14263.12
Site Location: Gowanda, New York
Sample Date: 9/30/2022
Weather: 50 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: 10.4
Depth to bottom of the well: 13.95
Length of water column in well: 3.55

Volume of water in well casing, gallons: 0.58
3 Well volumes (= length water column X gal/foot X 3): 1.74
Actual volume purged prior to sampling: 1.75
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

	Accumulated Volume Purged in Gallons									
Parameter:										
Turbidity	1592.8	NTU								
Temperature	15.2	°C								
pH	6.94									
Conductivity	0.382	SPC ms/cm								
Oxygen	68.23	DO mg/L								
Salinity										

Time sample was collected: 9:35

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q3 2022
Project Number: 14263.12
Site Location: Gowanda, New York
Sample Date: 9/30/2022
Weather: 50 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: 12.9
Depth to bottom of the well: 22.88
Length of water column in well: 9.98

Volume of water in well casing, gallons: 1.63
3 Well volumes (= length water column X gal/foot X 3): 4.88
Actual volume purged prior to sampling: 5.00
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

	Accumulated Volume Purged in Gallons									
Parameter:										
Turbidity	1693	NTU								
Temperature	16.2	°C								
pH	7.13									
Conductivity	0.202	SPC ms/cm								
Oxygen	6.01	DO mg/L								
Salinity										

Time sample was collected: 9;59

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q3 2022
Project Number: 14263.12
Site Location: Gowanda, New York
Sample Date: 9/29/2022
Weather: 52 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: 12.84
Depth to bottom of the well: 21.8
Length of water column in well: 8.96

Volume of water in well casing, gallons: 1.5
3 Well volumes (= length water column X gal/foot X 3): 4.38
Actual volume purged prior to sampling: 4.50
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

			Accumulated Volume Purged in Gallons							
Parameter:										
Turbidity	2255.7	NTU								
Temperature	16	°C								
pH	6.67									
Conductivity	0.106	SPC ms/cm								
Oxygen	75.6	DO mg/L								
Salinity										

Time sample was collected: 13:55

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q3 2022
Project Number: 14263.12
Site Location: Gowanda, New York
Sample Date: 9/30/2022
Weather: 50 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: 9.22
Depth to bottom of the well: 17.65
Length of water column in well: 8.43

Volume of water in well casing, gallons: 1.37
3 Well volumes (= length water column X gal/foot X 3): 4.122
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	560.31	NTU								
Temperature	12.9	°C								
pH	6.99									
Conductivity	0.945	SPC ms/cm								
Oxygen	73.3	DO mg/L								
Salinity										

Time sample was collected: 8:21

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q3 2022
Project Number: 14263.12
Site Location: Gowanda, New York
Sample Date: 9/30/2022
Weather: 50 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: 8.98
Depth to bottom of the well: 20.96
Length of water column in well: 11.98

Volume of water in well casing, gallons: 1.95
3 Well volumes (= length water column X gal/foot X 3): 5.858
Actual volume purged prior to sampling: 6.00
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

	Accumulated Volume Purged in Gallons									
Parameter:										
Turbidity	344.57	NTU								
Temperature	12	°C								
pH	6.64									
Conductivity	1.109	SPC ms/cm								
Oxygen	56.7	DO mg/L								
Salinity										

Time sample was collected: 7:58

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q3 2022
Project Number: 14263.12
Site Location: Gowanda, New York
Sample Date: 9/30/2022
Weather: 50 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: 6.6
Depth to bottom of the well: 19.44
Length of water column in well: 12.84

Volume of water in well casing, gallons: 2.1
3 Well volumes (= length water column X gal/foot X 3): 6.28
Actual volume purged prior to sampling: 6.5
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

	Accumulated Volume Purged in Gallons									
Parameter:										
Turbidity	654.96	NTU								
Temperature	11.7	°C								
pH	7.34									
Conductivity	0.586	SPC ms/cm								
Oxygen	74.6	DO mg/L								
Salinity										

Time sample was collected: 8:52

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q3 2022
Project Number: 14263.12
Site Location: Gowanda, New York
Sample Date: 9/29/2022
Weather: 52 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: 5.78
Depth to bottom of the well: 15.48
Length of water column in well: 9.7

Volume of water in well casing, gallons: 1.5811
3 Well volumes (= length water column X gal/foot X 3): 4.7433
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	2985.6	NTU								
Temperature	15.3	°C								
pH	7.01									
Conductivity	0.682	SPC ms/cm								
Oxygen	41.8	DO mg/L								
Salinity										

Time sample was collected: 12:50

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q3 2022
Project Number: 14263.12
Site Location: Gowanda, New York
Sample Date: 9/29/2022
Weather: 52 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: 6.02
Depth to bottom of the well: 17.38
Length of water column in well: 11.36

Volume of water in well casing, gallons: 1.85
3 Well volumes (= length water column X gal/foot X 3): 5.56
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	2062	NTU								
Temperature	15.6	°C								
pH	6.95									
Conductivity	0.525	SPC ms/cm								
Oxygen	54.9	DO mg/L								
Salinity										

Time sample was collected: 13:12

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q3 2022
Project Number: 14263.12
Site Location: Gowanda, New York
Sample Date: 9/29/2022
Weather: 52 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: 6.1
Depth to bottom of the well: 17.40
Length of water column in well: 11.30

Volume of water in well casing, gallons: 1.8419
3 Well volumes (= length water column X gal/foot X 3): 5.5257
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	1800.24	NTU								
Temperature	15.7	°C								
pH	6.84									
Conductivity	0.525	SPC ms/cm								
Oxygen	37.1	DO mg/L								
Salinity										

Time sample was collected: 13:30

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q3 2022
Project Number: 14263.12
Site Location: Gowanda, New York
Sample Date: 9/29/2022
Weather: 52 Degrees F
Personnel: Justin L. O'Brien

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: 9.92
Depth to bottom of the well: 18.15
Length of water column in well: 8.23

Volume of water in well casing, gallons: 1.34
3 Well volumes (= length water column X gal/foot X 3): 4.02
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	2468.73	NTU								
Temperature	14.5	°C								
pH	6.96									
Conductivity	0.586	SPC ms/cm								
Oxygen	54.00	DO mg/L								
Salinity										

Time sample was collected: 11:10

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q3 2022
Project Number: 14263.12
Site Location: Gowanda, New York
Sample Date: 9/29/2022
Weather: 52 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: 9.72
Depth to bottom of the well: 19.80
Length of water column in well: 10.08

Volume of water in well casing, gallons: 1.643
3 Well volumes (= length water column X gal/foot X 3): 4.93
Actual volume purged prior to sampling: 5
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged?
Required Analysis:

FIELD PARAMETER MEASUREMENTS

	Accumulated Volume Purged in Gallons									
Parameter:										
Turbidity	899.35	NTU								
Temperature	15.2	°C								
pH	6.69									
Conductivity	0.639	SPC ms/cm								
Oxygen	47.90	DO mg/L								
Salinity										

Time sample was collected: 10:20

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q3 2022
Project Number: 14263.12
Site Location: Gowanda, New York
Sample Date: 9/29/2022
Weather: 52 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: 12.56
Depth to bottom of the well: 23.26
Length of water column in well: 10.70

Volume of water in well casing, gallons: 1.7441
3 Well volumes (= length water column X gal/foot X 3): 5.2323
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	1691.4	NTU								
Temperature	17	°C								
pH	6.76									
Conductivity	0.735	SPC ms/cm								
Oxygen	61.9	DO mg/L								
Salinity										

Time sample was collected: 14:10

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q3 2022
Project Number: 14263.12
Site Location: Gowanda, New York
Sample Date: 9/29/2022
Weather: 52 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: 12.65
Depth to bottom of the well: 25.18
Length of water column in well: 12.53

Volume of water in well casing, gallons: 2.0424
3 Well volumes (= length water column X gal/foot X 3): 6.1272
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	1440.5	NTU								
Temperature	16	°C								
pH	7.32									
Conductivity	0.622	SPC ms/cm								
Oxygen	81.4	DO mg/L								
Salinity										

Time sample was collected: 14:58

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q3 2022
Project Number: 14263.12
Site Location: Gowanda, New York
Sample Date: 9/30/2022
Weather: 50 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: 8.5
Depth to bottom of the well: 25.0
Length of water column in well: 16.5

Volume of water in well casing, gallons: 2.6895
3 Well volumes (= length water column X gal/foot X 3): 8.07
Actual volume purged prior to sampling: 8.25
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged?
Required Analysis:

FIELD PARAMETER MEASUREMENTS

			Accumulated Volume Purged in Gallons							
Parameter:										
Turbidity	173.77	NTU								
Temperature	17.4	°C								
pH	7.27									
Conductivity	0.011	SPC ms/cm								
Oxygen	97.8	DO mg/L								
Salinity										

Time sample was collected: 10:24

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q3 2022
Project Number: 14263.12
Site Location: Gowanda, New York
Sample Date: 9/30/2022
Weather: 50 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: 7.1
Depth to bottom of the well: 17.67
Length of water column in well: 10.57

Volume of water in well casing, gallons: 1.7
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	1150.6	NTU								
Temperature	16.6	°C								
pH	6.95									
Conductivity	0.648	SPC ms/cm								
Oxygen	62.4	DO mg/L								
Salinity										

Time sample was collected: 11:10

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q3 2022
Project Number: 14263.12
Site Location: Gowanda, New York
Sample Date: 9/30/2022
Weather: 50 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: 8.8
Depth to bottom of the well: 14.75
Length of water column in well: 5.95

Volume of water in well casing, gallons: 0.9699
3 Well volumes (= length water column X gal/foot X 3): 2.9096
Actual volume purged prior to sampling: 3
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

			Accumulated Volume Purged in Gallons							
Parameter:										
Turbidity	65.2	NTU								
Temperature	16.1	°C								
pH	7.03									
Conductivity	0.618	SPC ms/cm								
Oxygen	51.2	DO mg/L								
Salinity										

Time sample was collected: 9:25

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q3 2022
Project Number: 14263.12
Site Location: Gowanda, New York
Sample Date: 9/30/2022
Weather: 50 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: 8.8
Depth to bottom of the well: 15.82
Length of water column in well: 7.02

Volume of water in well casing, gallons: 1.1443
3 Well volumes (= length water column X gal/foot X 3): 3.43
Actual volume purged prior to sampling: 3.5
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

	Accumulated Volume Purged in Gallons									
Parameter:										
Turbidity	927.54	NTU								
Temperature	16.9	°C								
pH	6.8									
Conductivity	1.37	SPC ms/cm								
Oxygen	36.5	DO mg/L								
Salinity										

Time sample was collected: 10:39

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q3 2022
Project Number: 14263.12
Site Location: Gowanda, New York
Sample Date: 9/29/2022
Weather: 52 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: 6.91
Depth to bottom of the well: 18.06
Length of water column in well: 11.15

Volume of water in well casing, gallons: 7.281
3 Well volumes (= length water column X gal/foot X 3): 21.843
Actual volume purged prior to sampling: 22
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

	Accumulated Volume Purged in Gallons									
Parameter:										
Turbidity	1260.3	NTU								
Temperature	15.7	°C								
pH	6.9									
Conductivity	0.556	SPC ms/cm								
Oxygen	39.6	DO mg/L								
Salinity										

Time sample was collected: 12:35

COMMENTS MW-X taken from DR-1

GROUNDWATER SAMPLING WORKSHEET

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q3 2022
Project Number: 14263.12
Site Location: Gowanda, New York
Sample Date: 9/29/2022
Weather: 52 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: 6.61
Depth to bottom of the well: 18.06
Length of water column in well: 11.45

Volume of water in well casing, gallons: 7.4769
3 Well volumes (= length water column X gal/foot X 3): 22.43
Actual volume purged prior to sampling: 22.5
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

	Accumulated Volume Purged in Gallons									
Parameter:										
Turbidity	347.75	NTU								
Temperature	15.5	°C								
pH	7.57									
Conductivity	0.054	SPC ms/cm								
Oxygen	96.50	DO mg/L								
Salinity										

Time sample was collected: 12:09

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q3 2022
Project Number: 14263.12
Site Location: Gowanda, New York
Sample Date: 9/29/2022
Weather: 52 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: 11.27
Depth to bottom of the well: 20.45
Length of water column in well: 9.18

Volume of water in well casing, gallons: 6.0
3 Well volumes (= length water column X gal/foot X 3): 17.984
Actual volume purged prior to sampling: 18
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

	Accumulated Volume Purged in Gallons									
Parameter:										
Turbidity	861.36	NTU								
Temperature	14.9	°C								
pH	6.9									
Conductivity	0.647	SPC ms/cm								
Oxygen	38.70	DO mg/L								
Salinity										

Time sample was collected: 11:39

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q3 2022
Project Number: 14263.12
Site Location: Gowanda, New York
Sample Date: 9/29/2022
Weather: 52 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: 11.11
Depth to bottom of the well: 19.69
Length of water column in well: 8.58

Volume of water in well casing, gallons: 5.60
3 Well volumes (= length water column X gal/foot X 3): 16.81
Actual volume purged prior to sampling: 17
Sampling Methodology:
Sampling Equipment: Hand bailer

Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

	Accumulated Volume Purged in Gallons									
Parameter:										
Turbidity	390.53	NTU								
Temperature	14.9	°C								
pH	6.87									
Conductivity	0.567	SPC ms/cm								
Oxygen	34.1	DO mg/L								
Salinity										

Time sample was collected: 10:52

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q3 2022
Project Number: 14263.12
Site Location: Gowanda, New York
Sample Date: 9/29/2022
Weather: 52 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: 11.38
Depth to bottom of the well: 22.98
Length of water column in well: 11.60

Volume of water in well casing, gallons: 7.5748
3 Well volumes (= length water column X gal/foot X 3): 22.724
Actual volume purged prior to sampling: 22.75
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

	Accumulated Volume Purged in Gallons									
Parameter:										
Turbidity	386.19	NTU								
Temperature	14.4	°C								
pH	6.94									
Conductivity	0.605	SPC ms/cm								
Oxygen	31.6	DO mg/L								
Salinity										

Time sample was collected: 10:11

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q3 2022
Project Number: 14263.12
Site Location: Gowanda, New York
Sample Date: 9/29/2022
Weather: 52 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: 11.32
Depth to bottom of the well: 20.72
Length of water column in well: 9.40

Volume of water in well casing, gallons: 6.1382
3 Well volumes (= length water column X gal/foot X 3): 18.415
Actual volume purged prior to sampling: 18.5
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

	Accumulated Volume Purged in Gallons									
Parameter:										
Turbidity	632.37	NTU								
Temperature	14.6	°C								
pH	6.92									
Conductivity	0.62	SPC ms/cm								
Oxygen	47	DO mg/L								
Salinity										

Time sample was collected: 9:48

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q3 2022
Project Number: 14263.12
Site Location: Gowanda, New York
Sample Date: 9/29/2022
Weather: 52 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: 9.65
Depth to bottom of the well: 18.15
Length of water column in well: 8.5

Volume of water in well casing, gallons: 5.55
3 Well volumes (= length water column X gal/foot X 3): 16.65
Actual volume purged prior to sampling: 16.75
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

	Accumulated Volume Purged in Gallons									
Parameter:										
Turbidity	652.05	NTU								
Temperature	17	°C								
pH	7.35									
Conductivity	0.639	SPC ms/cm								
Oxygen	85.5	DO mg/L								
Salinity										

Time sample was collected: 14:35

COMMENTS