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New York State Office of People with Developmental Disabilities

PERIODIC REVIEW REPORT – REPORTING PERIOD APRIL 6, 2021, to APRIL 6, 2022

FORMER GOWANDA DAY HABILITATION CENTER

4 Industrial Place, Gowanda, NY

NYSDEC Site Number V00463



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1.0 BACKGROUND

NYSDEC Site Number V00463, the former Gowanda Day Habilitation Center facility, is located at 4 Industrial Place, Gowanda, New York. The New York State Office of People with Developmental Disabilities (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, effective August 16, 2001.

The Gowanda Day Habilitation Site (the Site) consists of a 5.94-acre parcel located at 4 Industrial Place. The building, previously used by several manufacturing operations, was built in stages between 1948 and 1987 and was renovated in 1987 and 1988. New York State agencies have occupied the building since 1982 and 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. On-site operations ceased in April 2001. Bergmann investigated the nature and extent of contamination resulting from historical underground chemical storage at the Gowanda Day Habilitation Center as documented in the 2003 Site Investigation and 2004 Supplemental Site Investigation reports. Trichloroethene (TCE) was the most commonly detected compound. TCE degradation products cis-1,2-Dichloromethane (cis-DCE), trans-1,2-Dichloroethene (trans-1,2-DCE), and Vinyl Chloride (VC) were also detected.

Following Interim Remedial Measure (IRM) system installation, activation of a Groundwater Treatment System (GTS) and Soil Vapor Extraction (SVE) System occurred on May 10, 2005. An additional groundwater recovery well, designated G-3, was installed outside the building and adjacent to monitoring well MW-17 in November 2008. The GTS 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 treat recovered groundwater. The SVE System consists of a lobe blower and piping network which extract vapors and passed them through two (2) 10,000 lb. carbon filters. Once filtered, the vapors were discharged to the outdoor air. The attached Figure 1 depicts the site layout with respect to monitoring and recovery wells.

Recovered groundwater was formerly pumped to an equalization tank for settling of sediment. The groundwater was discharged to the Village of Gowanda Sewage Treatment Plant (STP) via the sanitary sewer in accordance with a Gowanda Sewer Use Permit. A Volatile Organic Compound (VOC) Groundwater Treatment Agreement between OPWDD and the Village was active until the shutdown of the system, discussed below in Section 2.2. As the system is currently shut down, water was not discharged to the sewer for the during the reporting period. If the system is re-activated, a new agreement will be executed between OPWDD and the Village.

In January 2008, OPWDD decommissioned the building. Bergmann winterized the GTS with the addition of heat tape and insulation to conveyance lines and the installation of an independently operated unit heater in the treatment area for the GTS and SVE (former Machine Shop). The building remains unoccupied and in a state of disrepair for the 2021 year, and for Q1 of 2022. Numerous roof leaks and damage relative to two (2) flooding events have introduced excessive water infiltration and as a result mold to interior spaces. The roof leaks and mold do not appear to be impacting the remedial system. OPWDD and/or their agents will perform periodic inspections of the building for potential structural deficiency issues and will perform limited building envelope repairs as necessary to address any significant site safety concerns.

The next steps to eliminate remaining contamination at the Site have been discussed with OPWDD, DASNY, and NYSDEC. In pursuit of this, Bergmann performed an additional subsurface investigation in August 2019 to determine if the contamination is within groundwater or within soils. The primary goal of the investigation was to evaluate the soil quality for VOCs in the two (2) source areas: the MW-1 area and the MW-17 area. The investigation identified that shallow soils beneath the building in the source area were impacted depths ranging



from one (1) to three (3) feet bgs. Chlorinated VOC-impacted soils at the south side of the building and within the southern portion of the building near MW-1/MW-11 continue to impact the groundwater. This finding is consistent with seasonal high groundwater fluctuations. The recommendations made by Bergmann based on this investigation included localized removal of VOC-impacted soil in the upgradient source, in-situ chemical oxidation (ISCO) material injection into the source area, or the introduction of thermal conduction or heating element to the source area.

As a result of this investigation Bergmann prepared an Overview Analysis for Site Closure document outlining cleanup options and costs analysis to identify the most feasible and cost-effective method to achieve chlorinated VOC levels closer to Site closure. Discussions with NYSDEC, OPWDD, DASNY, and Bergmann have concluded that a source area removal with the building remaining in place is the most cost-effective remedial option for site closure.

On August 13th and 14th, 2019, Bergmann conducted an Additional Subsurface Soil Investigation (ASI) at the former Gowanda Day Habilitation Center facility for further evaluation of soils at upgradient and downgradient chlorinated solvent source areas. Five (5) soil borings were installed in the building source area with the historically highest chlorinated VOCs concentrations upgradient source area, and five (5) soil borings were installed at the down gradient source area, north along Torrance Place. One (1) soil sample was collected from each of the ten (10) boring locations based on Photoionization Detector (PID) measurements, depths intervals above the top of the groundwater table, and historic groundwater levels. The targeted zone for soil sample collection was from depths ranging to 6.5 feet at the upgradient source area and 11.5 feet at the downgradient source area.

Elevated PID measurements for total VOCs were detected in the fill soils at shallows depths ranging from one (1) to three (3) ft. bgs and above the elevation of the groundwater table in the upgradient source area at the south side of the building near MW-1/MW-11. Laboratory soil sample results indicated detections of chlorinated VOCs. Cis-DCE exceeded Unrestricted Use Soil Cleanup Objectives (UUSCOs), while TCE exceeded UUSCOs, Restricted Residential Use Soil Cleanup Objectives (RRUSCOs) and Commercial Use Soil Cleanup Objectives (CUSCOs. Vinyl Chloride exceeded RRUSCOs in soil borings SB-01 through SB-05.

Chlorinated VOC-impacted soils at the south side of the building continue to impact the groundwater consistent with seasonal variation in groundwater level fluctuations, and chlorinated VOCs were non-detect in the soil within the downgradient groundwater source area. Bergmann's hypothesis from this investigation is that downgradient groundwater source area is an area of elevated VOCs controlled by a preferential pathway in the overburden soils, and an alluvium historic buried stream channel or imported fill below the sewer lateral that runs along the northern side of the building is likely to be that pathway.

Based on this ASI, Bergmann issued a report on March 3, 2020, which identified four (4) preliminary remedial alternatives to address the remaining source areas of soil and groundwater contamination at the former Gowanda Day Habilitation Center facility. These four (4) alternatives include 1) PlumeStop® Barrier & Bioremediation, an in-situ source area containment and bioremediation treatment; 2) Soil and groundwater removal, to reduce the impacted soil and groundwater from the Site with off-Site disposal; 3) Thermal soil and groundwater remediation, for in-place destruction and/or vapor removal from the subsurface soil and groundwater media; and 4) Soil and groundwater removal with building demolition, which includes remedy alternative #2, with the addition of the complete demolition of the Site building.

On March 25th and March 26th, 2021, Bergmann conducted a Soil Vapor Intrusion and Indoor Air Sampling Investigation (SVI/IA) for three (3) of five (5) identified residential homes in the NYSDEC, NYSDOH, DASNY, and OPWDD approved *OPWDD Gowanda Day Habilitation Center NYSDEC VCA Site Number V-00462-9 Soil Vapor Intrusion and Indoor Air Quality Sampling Work Plan*, Bergmann, February 2021. The three (3) residences sampled were addressed as 98, 114, and 118 Torrance Place, Gowanda, New York. Access was not granted for



SVI/IA sampling at 106 and 110 Torrance Place. These residential homes are located down-gradient of the former Gowanda Day Habilitation Center facility, with respect to groundwater flow direction.

One (1) sub-slab vapor sample, one (1) basement indoor air quality sample, and one (1) first floor indoor air quality sample were collected from each of the three (3) residences. Additionally, one (1) outdoor air sample, one (1) outdoor matrix spike/matrix spike duplicate sample, and one (1) blind duplicate indoor air sample were collected as part of this investigation. The results of this sampling were compared to NYSDOH Final Guidance for Evaluation Soil Vapor Intrusion in New York State (October 2006 with 2017 amendment), NYSDOH Upper Fence Values from the NYSDOH Fuel Oil Study, and NYSDOH Soil Vapor Indoor Air Matrix A and B (May 2017).

Four (4) targeted VOCs were detected in the sub-slab samples: Acetone, Carbon Disulfide, Tetrachloroethene, and Trichloroethene, which are associated with VOCs historically detected at the groundwater at the Site. Three (3) targeted VOCs, Acetone, Carbon Disulfide, and Trichloroethene, were detected in indoor and outdoor air samples, with outdoor air concentrations being similar or lower than targeted VOCs detected in the indoor air and sub-slab samples. Acetone and Carbon disulfide were detected below NYSDOH Upper Fence levels for residential homes, while Trichloroethene exceeded the NYSDOH Upper Fence level in each indoor air sample.

Based on the results of the SVI/IA sampling, it appears that a Vapor Intrusion Condition (migration pathway) into the residential homes is a risk from sub-slab vapors to indoor air. It appears that VOCs detected in the sub-slab vapor samples have a low to moderate potential to migrate into indoor air in the residential homes.

1.1 PERIODIC REVIEW REPORT

This Periodic Review Report (PRR) was prepared by Bergmann, on behalf of New York State OPWDD, in accordance with the requirements set forth in the NYSDEC Division of Environmental Remediation (DER)-10 Technical Guidance for Site Investigation and Remediation, dated May 2010. The Reporting Period for this PRR is from April 6, 2021 to April 6, 2022. The following items are included in this PRR:

- Identification, assessment, and certification of all Industrial Controls (ICs)/Engineering Controls (ECs) required by the Remedy for the Site;
- Results of the Site inspection and sampling events including applicable inspection forms and other records generated for the Site during the Reporting Period;
- A summary of any discharge monitoring data and/or information generated during the Reporting Period with comments and conclusions;
- Data summary tables of groundwater Contaminants of Concern by media;
- Laboratory analytical results and the required laboratory data deliverables for each sample collected during the Reporting Period have been and will continue to be submitted electronically in a NYSDEC-approved EQIS format; and
- A Site evaluation, which includes the following:
 - I. The compliance of the Remedy with the requirements of the Site-specific Record of Decision (ROD) including ICs/ECs;
 - II. The operation and the effectiveness of each treatment unit, including identification of any needed repairs or modifications;
 - III. Any new conclusions or observations regarding Site contamination based on inspection or lab data generated during the monitoring events;
 - IV. Recommendations regarding any necessary changes to the Remedy and/or SMP; and
 - V. The overall performance and effectiveness of the Remedy to date.



2.0 GROUNDWATER SAMPLING OVERVIEW AND METHODS

2.1 WELL MAINTENANCE ACTIVITIES

During the 2021 sampling events, all 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 June 2007, except for redevelopment activities performed on August 19, 2015 to clear sediment from wells after an in-situ chemical oxidation (ISCO) injection program. All standpipes and flush-mount curb boxes were found to be intact and secure. Exterior monitoring wells are secured with locking standpipes. The monitoring wells within the building are secured with flush-mount roadway covers.

As noted above, replacement to damaged flush-mount protective roadway boxes was completed on June 27, 2007. Well rehabilitation and silt removal were conducted on June 25 – 26, 2007 and August 19, 2015.

2.2 GROUNDWATER TREATMENT SYSTEM AND SOIL VAPOR EXTRACTION SYSTEM MAINTENANCE

During an October 2013 site visit, a section of piping broke away from the SVE due to system pressure. The SVE system was shut down until a repair could be made. Bergmann assessed the GTS during a January 2014 site visit and determined that two (2) of the seven (7) well pumps were operational. The remaining pumps appeared to be damaged. Bergmann replaced the SVE pipe section and inspected the well pumps for damage. The pumps appeared to be in poor condition and were removed from the wells. DR-1, DR-2, DR-3, DR-4 were all pulled. DR-4 was coated in a black sludge-like material and had a hole in the casing. DR-2, DR-3 and G-2 were coated in orange-brown sediment and the hose and pump effluent lines were clogged with sediment. DR-1 was also coated in orange-brown sediment.

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 ISCO Remedial Action Plan (RAP) and implementation of an ISCO treatment. Bergmann performed an ISCO remediation in May 2015 and a second round of injections in September 2015. The in-situ groundwater treatment was performed to address 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. No maintenance was conducted on the GTS or SVE systems during the 2021 calendar year.

2.3 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 for monitoring wells are determined on a quarterly basis to track site-wide changes in the water table elevation and to allow for adjustment at recovery wells. Operation of the recovery wells was intended to establish hydraulic containment of the plume of impacted groundwater beneath the former Day Habilitation building and improve recovery and treatment of impacted groundwater. Although the system was shut down and the pumps were pulled from recovery wells for the reporting period, hydraulic containment of the plume has been historically achieved since the shutdown of the system.

Groundwater samples were collected from all twenty-on (21) site-related groundwater monitoring wells during the 2021 sampling events. Depth to groundwater measurements were obtained from all twenty-one (21) monitoring wells for the Q3, Q4 2021 and Q1 2022 sampling events. It is noted that Q2 samples were not collected due to the pending 2021 contract approval. Results are indicators of the performance of the treatment system and the continued contamination of the plume.



Groundwater samples were collected from monitoring wells after each well was gauged and purged of standing water via hand bailing. Sample parameters including turbidity, temperature, pH, oxygen, and specific conductivity were monitored using an YSI Quatro Pro to ensure sufficient well purging prior to sampling. Dedicated bailers were used to collect groundwater samples from recovery wells after the ISCO remediation occurred in May 2015. During past sampling events, groundwater samples were collected from the seven (7) recovery wells using dedicated bailers, as the GTS was actively pulling groundwater into the system, allowing for collection of groundwater samples similar to purging monitoring wells. As the system was shut down during the 2021 quarterly sampling events, the wells were purged and sampled using the same method as the monitoring well sampling where possible. One (1) duplicate sample and one (1) field blank sample were collected and submitted for laboratory analysis.

Groundwater samples were delivered via chain-of-custody protocol to a New York State Department of Health (NYSDOH) certified laboratory (Alpha Analytical, Inc.) for testing using EPA Method 8260C for targeted chlorinated VOCs.



3.0 LOCAL GROUNDWATER FLOW CHARACTERIZATION

Delineation of the local water table surface and groundwater flow pattern was determined for 2021 and Q1 2022 using elevations measured from the 21 sampled, site-related monitoring wells. The current network of monitoring wells at the facility is shown on Figure 1. Groundwater characteristics were determined using depth to water measurements obtained on:

- September 16th and September 17th, 2021 (Q3 2021 Sampling Event).
- November 18th and 19th, 2021 (Q4 2021 Sampling Event).
- March 24th and 25th, 2022 (Q1 2022 Sampling Event).

The well gauging values and groundwater elevations are provided in Table 1 of each Quarterly Report included in Appendix A – Quarterly Groundwater Characterization Reports.

The quarterly groundwater contour maps show a local flow pattern similar to the water table observed historically since 2002. The local groundwater was flowing in a northerly direction. Torrance Place is hydraulically down-gradient from the Day Habilitation Center building. The following is a summary of groundwater flow for each sampling event in the reporting period:

September 2021

The September 2021 groundwater contour map (depicted within the September 2021 Groundwater Characterization Report as Figure 1: September 2021 Groundwater Contour Map) shows a flow pattern similar to groundwater contours 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. The September 2021 depths to groundwater, as indicated on Table 1: Groundwater Elevations and Field Measurements – September 2021, range from 6.10 ft. below top of casing (btoc) at MW-2, to 13.50 ft. btoc at MW-6 and MW-7. The average depth to groundwater at the wells measured was 9.49 ft. btoc. The site-wide average depth to water table decreased by approximately 0.41 ft. when compared to the March 2021 sampling event (9.90 ft. btoc). This decrease in the water table is inferred as seasonal.

November 2021

The November 2021 groundwater contour map (depicted within the November 2021 Groundwater Characterization Report as Figure 1: November 2021 Groundwater Contour Map) shows a flow pattern similar to groundwater contours 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. The November 2021 depths to groundwater, as indicated on Table 1: Groundwater Elevations and Field Measurements – November 2021, range from 4.9 ft. below top of casing (btoc) at MW-2, to 12.95 ft. btoc at MW-7. The average depth to groundwater at the wells measured was 8.88 ft. btoc, which is a decrease from the average depth to water of the previous sampling event in September 2021 (9.49 ft. btoc). The site-wide average depth to water table decreased by approximately 0.61 ft. when compared to the September 2021 sampling event. This decrease in the water table is inferred as seasonal.

March 2022

The March 2022 groundwater contour map (depicted within the March 2022 Groundwater Characterization Report as Figure 1: March 2022 Groundwater Contour Map) shows a flow pattern similar to groundwater contours 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. The March 2022 depths to groundwater, as indicated on Table 1: Groundwater Elevations and Field Measurements – March 2022, range from 5.30 ft. below top of casing (btoc) at MW-2, to 13.20 ft. btoc at MW-6. The average depth to groundwater at the wells measured was 9.11 ft. btoc, which is an increase from the average depth to water of the previous



sampling event in November 2021 (8.88). The site-wide average depth to water table increased by approximately 0.23 ft. when compared to the November 2021 sampling event. This decrease in the water table is inferred as seasonal.

Groundwater Contour Maps indicating the elevations of groundwater for each sampling event are presented as Figure 1 of each Groundwater Characterization Report for the respective report period. Copies of these reports are included in Appendix A.



4.0 LABORATORY ANALYSIS

4.1 LABORATORY ANALYSIS OF GROUNDWATER SAMPLES

Laboratory analysis was completed on groundwater samples from groundwater monitoring wells and recovery wells on site. Monitoring wells that were determined in 2008 by the NYSDEC and Bergmann personnel to be outside the area of impact by the GTS include MW-2, MW-3, MW-5, MW-8, MW-9, MW-10, MW-13, and MW-21. NYSDEC added MW-21 to the sampling plan for the 2015 sampling events. Sentry groundwater monitoring wells were established to monitor a separate occurrence of contaminated groundwater at the Gowanda Electronics site (NYSDEC Site 905025), immediately east of Industrial Place and east of the Site. These wells include MW-19R, MW-20, and MW-4.

Samples were analyzed for Target Compound List (TCL) Volatile Organic Compounds (VOCs) using United States Environmental Protection Agency (US EPA) Method 8260C. Analysis was performed in accordance with the October 2006 OM&M Manual. The following chlorinated VOCs 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)

For Quality Assurance/Quality Control (QA/QC) purposes, duplicate groundwater samples (Duplicate Blanks) were collected during each sampling event. During the Q3 2021 sampling event, this duplicate was collected from monitoring well MW-4. A duplicate was collected for the Q4 2021 sampling event from monitoring well MW-18. The duplicate collected during the Q1 2022 sampling event was collected at monitoring well MW-14. All duplicates for all sampling events were labeled 'MW-X'. Results from these samples were consistent with the samples collected from their respective sampling locations. Refer to the attached table.

Trip blanks were supplied by the laboratory for QA/QC and submitted with the groundwater samples. An equipment blank was also collected for QA/QC purposes to ensure proper cleaning of the sampling equipment. The equipment blank was non-detect for chlorinated halogens for each sampling event in 2021 and Q1 2022.

4.2 MONITORING WELL GROUNDWATER ANALYSIS SUMMARY

Analytical results for monitoring wells during each quarterly sampling event for 2021 and Q1 2022 are summarized as follows:

September 2021

Concentrations in ten (10) of the twenty-one (21) monitoring well groundwater samples increased when compared to the March 2021 sampling event while concentrations in six (6) of the twenty-one (21) monitoring well groundwater samples decreased. Concentrations in five (5) groundwater samples from monitoring wells had no change. The September 2021 sampling analytical results indicated an average site-wide decrease in total VOCs of approximately 88.11% since activation of the GTS in May 2005.

November 2021

Concentrations in eight (8) of the twenty-one (21) monitoring well groundwater samples increased when compared to the September 2021 sampling event while concentrations in seven (7) of the twenty-one (21) monitoring well groundwater samples decreased. Concentrations in six (6) groundwater samples from



monitoring wells had no change. The November 2021 sampling analytical results indicated an average site-wide decrease in total VOCs of approximately 84.88% since activation of the GTS in May 2005.

March 2022

Concentrations in seven (7) of the twenty-one (21) monitoring well groundwater samples increased when compared to the November 2021 sampling event while concentrations in eight (8) of the twenty-one (21) monitoring well groundwater samples decreased. Concentrations in six (6) groundwater samples from monitoring wells had no change. The current sampling analytical results indicate an average site-wide decrease in total VOCs of approximately 88.47% since activation of the GTS in May 2005.

Contaminant distribution maps indicating the results for each sampling event are presented as Figures 2 and 3 of each Quarterly Groundwater Characterization Report. Copies of these reports are included in Appendix A.

4.3 SENTRY WELL GROUNDWATER ANALYSIS SUMMARY

Analytical results for sentry wells during each sampling event in 2021 and Q1 2022 are summarized as follows:

September 2021

The eastern sentry wells sampled for this event included MW-4 and MW-19R. The September 2021 results indicated non-detect levels for VOCs for MW-4 and a concentration of 0.34 ppb for Trichloroethene (TCE) for MW-19R.

November 2021

The eastern sentry wells sampled for this event included MW-4 and MW-19R. The November 2021 results indicated non-detect levels for VOCs for MW-4 and a concentration of 0.29 ppb for Trichloroethene (TCE) for MW-19R.

March 2022

The eastern sentry wells sampled for this event were MW-4 and MW-19R. The March 2022 results indicated non-detect levels for VOCs for MW-4 and a concentration of 0.30 ppb for Trichloroethene (TCE) for MW-19R.

The risk of migrating groundwater from the Gowanda Electronics site onto the Day Habilitation Center property was a concern that prompted the installation of sentry wells along Industrial Place. MW-19R has been impacted in the past from the Gowanda Electronics plume. The Gowanda Electronics plume of impacted groundwater does not appear to currently extend to the Day Habilitation Center property, based on consistent historic non-detect values at the eastern sentry wells. Conversely, impacted groundwater from the Day Habilitation Center subject property does not appear to extend off-site to the east to Industrial Place.



4.4 RECOVERY WELL GROUNDWATER ANALYSIS SUMMARY

Analytical results for recovery wells during the sampling events in 2021 and 2022 are summarized as follows:

September 2021

The September 2021 analytical results indicated detection of four (4) chlorinated VOCs in recovery well samples that include: TCE, Cis-DCE, trans-1,2-DCE, and VC. Chlorinated VOCs were detected in samples from all seven (7) of the recovery wells. Total VOCs at 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 VOCs for the September 2021 sampling event is about 86.51% relative to concentrations prior to GTS activation in 2002.

November 2021

The November 2021 analytical results indicated detection of four (4) chlorinated VOCs in recovery well samples that include: TCE, Cis-DCE, VC, and Trans-1,2-DCE. Chlorinated VOCs were detected in samples from all seven (7) of the recovery wells. Total VOCs at 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 VOCs for the November 2021 sampling event is about 85.99% relative to concentrations prior to GTS activation in 2002.

March 2022

The March 2022 analytical results indicated detection of four (4) chlorinated VOCs in all seven (7) recovery well samples that include: TCE, Cis-DCE, VC, and trans-1,2-DCE. Total VOCs 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 VOCs for the March 2022 sampling event is about 88.56% relative to concentrations prior to GTS activation in 2002.



5.0 REMEDIATION SYSTEM EFFICIENCY

5.1 EXTENT OF IMPACTED GROUNDWATER

The area of highest impacted groundwater is consistent for all three (3) quarters of the Q3 2021 through Q1 2022 reporting period. The contaminant plume appears to be concentrated beneath the building in the source area which is located in the vicinity of monitoring wells MW-1 and MW-11 and extends north to recovery wells DR-1 and DR-2.

The contaminant plume appears to have stabilized due to the previous operation of the GTS for over nine (9) years. While in operation, 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 the current reporting period and overall sample results are similar to previous quarterly reports. In general, VOCs levels fluctuate slightly higher during periods of higher groundwater table elevations and lower VOCs levels when groundwater table is at lower elevations. It appears that residual VOCs in the plume have not migrated and are contained when compared to sample results with operation of the GTS during previous monitoring events. It is Bergmann's hypothesis that the downgradient groundwater source area is an area of elevated VOCs controlled by a preferential pathway in the overburden soils. An alluvium historic buried stream channel or imported fill below the sewer lateral that runs along the northern side of the building is likely to be that pathway. Refer to the attached quarterly reports that include data tables.

During January 2014, as discussed with the NYSDEC representative, the remedial program at the Site was modified by terminating the GTS and soil vapor extraction system, which was believed to have achieved the extent of its practical benefits in favor of ISCO treatment of the residual concentration of VOCs in groundwater. The SVE and GTS equipment will remain on site in the event that re-activation is required in the future.

Analytical results for monitoring and recovery wells for each sampling event in the reporting period are summarized as follows:

September 2021

Chlorinated VOCs were detected in groundwater samples from fifteen (15) of the twenty-one (21) sampled monitoring wells. Groundwater samples from eleven (11) monitoring wells had detectable chlorinated VOCs at concentrations above applicable Class GA Standards. The monitoring well with the highest total VOCs, MW-1 (404.62 ppb), is located in the area of historically greatest impacted groundwater. Concentrations in ten (10) of the twenty-one (21) monitoring well groundwater samples increased when compared to the March 2021 sampling event while concentrations in six (6) of the twenty-one (21) monitoring well groundwater samples decreased. Concentrations in five (5) groundwater samples from monitoring wells had no change. The current sampling analytical results indicate an average site-wide decrease in total VOCs of approximately 88.11% since activation of the GTS in May 2005.

November 2021

Chlorinated VOCs were detected in groundwater samples from fourteen (14) of the twenty-one (21) sampled monitoring wells. Groundwater samples from eleven (11) monitoring wells had detectable chlorinated VOCs at concentrations above applicable Class GA Standards. The monitoring well with the highest total VOCs, MW-1 (980.46 ppb), is located in the area of historically greatest impacted groundwater. Concentrations in eight (8) of the twenty-one (21) monitoring well groundwater samples increased when compared to the September 2021 sampling event while concentrations in seven (7) of the twenty-one (21) monitoring well groundwater samples decreased. Concentrations in six (6) groundwater samples from monitoring wells had no change. The current



sampling analytical results indicate an average site-wide decrease in total VOCs of approximately 84.88% since activation of the GTS in May 2005.

March 2022

Chlorinated VOCs were detected in groundwater samples from fifteen (15) of the twenty-one (21) 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 total VOCs, MW-11 (420.6 ppb), is located in the area of historically greatest impacted groundwater. Concentrations in seven (7) of the twenty-one (21) groundwater monitoring wells increased when compared to the November 2020 sampling event while concentrations in eight (8) of the twenty-one (21) groundwater monitoring wells decreased. Concentrations in six (6) groundwater monitoring wells had no change. The current sampling analytical results indicate an average site-wide decrease in total VOCs of approximately 88.47% since activation of the GTS in May 2005.

5.2 GROUNDWATER ANALYTICAL RESULTS

During the reporting period, three (3) quarterly sampling events were conducted. Copies of these reports are included in Appendix A. Results for each sampling event are used to evaluate and document contamination reduction. Table 1 and Chart 1 show contamination reduction since activation of the GTS and SVE Systems.

Contamination levels generally trend towards a reduction as time progresses with some fluctuations that result in slight increases and decreases in contamination levels between sample events. This appears to be due to rising and falling groundwater elevations and the shutdown of the GTS.

Groundwater Contour maps were also prepared for each sampling event, which allowed Bergmann to monitor the change in groundwater flow across the Site. Groundwater Contour maps are included in each of the quarterly the Groundwater Characterization Reports in Appendix A.

Overall contaminant reduction is monitored at each individual sampling point and in three specific "groups" of points: site-wide, original plume area only, and recovery wells. These three (3) groups allow Bergmann to thoroughly monitor the system's effectiveness and adjust network operation. Table 1 of this report shows the breakdown of those three (3) groups by quarter since activation of the GTS and SVE Systems.

Overall contaminant reduction at the recovery wells increased to 88.56% (March 2022) from 87.31% in March 2021. Reduction at the recovery wells remained consistently between the 90-95% range since 2010 until the shutdown of the system. The GTS was turned off during the reporting period. Contaminant concentration rebound during these years may be associated with the system shutdown and associated groundwater level recovery, as well as residual contamination released in the capillary fringe to the dissolve phase in groundwater at the Site.

Overall contaminant reduction at the monitoring wells decreased to 88.47% (March 2022) from 87.65% in March 2021. Reduction at the monitoring wells remained consistently between 70%- 85% since 2010 until the shutdown of the system. The GTS was turned off for the 2021 and Q1 2022 quarterly sampling events. Contaminant concentration rebound during the year may be associated with the system shutdown and associated groundwater level recovery, as well as residual contamination released in the capillary fringe to the dissolve phase in groundwater at the Site.

The remediation system at the Gowanda Day Habilitation Center previously controlled and removed contaminants from the groundwater plume area. Contaminant levels decreased by 83.00% from August 2002 to March 2022. The ISCO groundwater treatments, completed in May 2015 and September 2015, may have released residual contamination in the capillary fringe to the dissolve phase in groundwater at the Site.



The ASI completed in August 2019 indicated that chlorinated VOC-impacted soils at the south side of the building continue to impact the groundwater consistent with seasonal variation in groundwater level fluctuations, and chlorinated VOCs were non-detect in the soil within the downgradient groundwater source area. Bergmann's hypothesis from this investigation is that downgradient groundwater source area is an area of elevated VOCs controlled by a preferential pathway in the overburden soils, and an alluvium historic buried stream channel or imported fill below the sewer lateral that runs along the northern side of the building is likely to be that pathway.

5.3 COMPLIANCE

During the April 6, 2021 – April 6, 2022 Reporting Period, the remedial system was not in operation and therefore was not discharging water. The existing wells and monitoring well network are adequate to monitor the performance of the remediation program and to allow for the collection of groundwater quality samples.

Three (3) quarters of groundwater samples were collected in 2021/2022 in accordance with site management procedures. Four (4) quarters of groundwater sampling are expected during the PRR reporting period of April 6, 2022 to April 6, 2023.

The building is currently secure, vacant, and unoccupied. Notification is given to any individual(s) entering the building so appropriate precautions and PPE can be utilized for building access. The building is posted with signage identifying the potential hazard and limiting access to properly trained and equipped personnel. Notification of extensive mold growth within the building is given to any individual(s) entering the building prior to entry so appropriate precautions can be taken. Notification of broken glass within the building is given to any individual(s) entering the building prior to entry. Notification of the dead-end corridor and affected/unusable exits is given to any individual(s) entering the building, prior to entry, so appropriate precautions can be taken. Notification of exit and emergency lighting within the building is given to any individual(s) entering the building prior to entry. Notification of the ceiling debris is given to any individual(s) entering the building, prior to entry, so appropriate precautions can be taken. Any individual(s) entering the building is provided with keys to open doors before working within the building to ensure safe emergency exit.

Any structural issues requiring immediate attention are currently being addressed by OPWDD, as well as other building envelope maintenance/security issues. Those issues not requiring immediate attention will be addressed if the building is re-occupied in the future.

5.4 FUTURE ACTIVITIES

Activities scheduled for 2022 include:

- Ongoing quarterly groundwater sampling events for the following quarters:
 - Q2 2022
 - Q3 2022
 - Q4 2022
 - Q1 2023



TABLE 1

Table 1 Percent Reductions in Total Groundwater VOCs
Gowanda Day Habilitation Center
4 Industrial Place, Gowanda, New York
VCA # V-00463-9

[illegible][illegible]

*Sampling of recovery wells initiated in 2005



FIGURE 1

DASNY

**Gowanda Day
Habilitation Center**

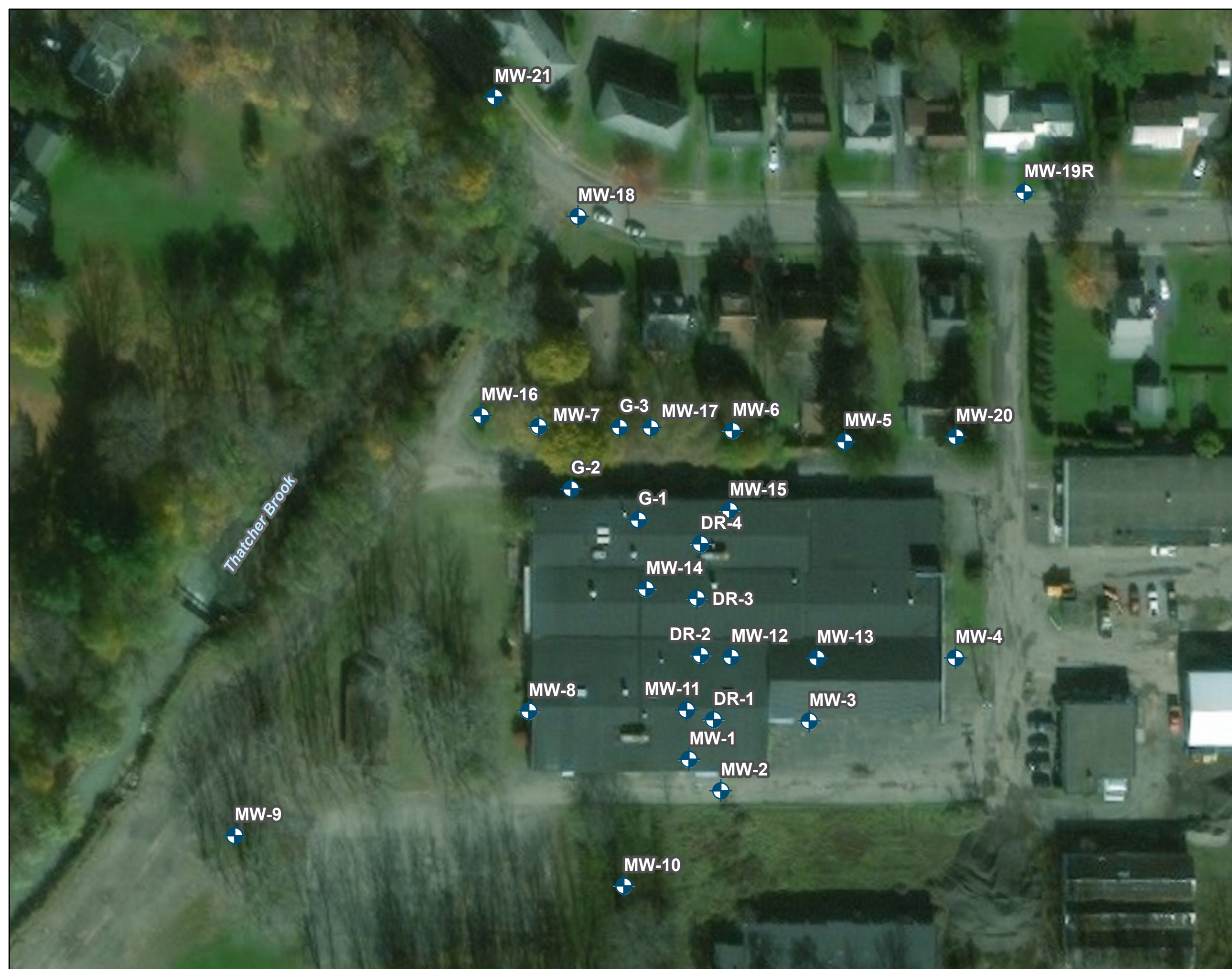
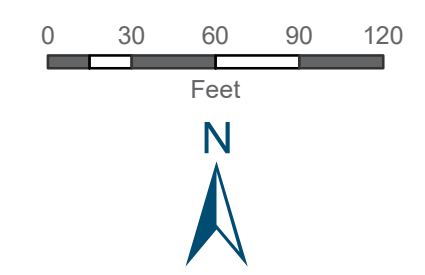
**4 Industrial Place
Gowanda, NY**



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Figure 1

**Monitoring and
Recovery Well
Locations**

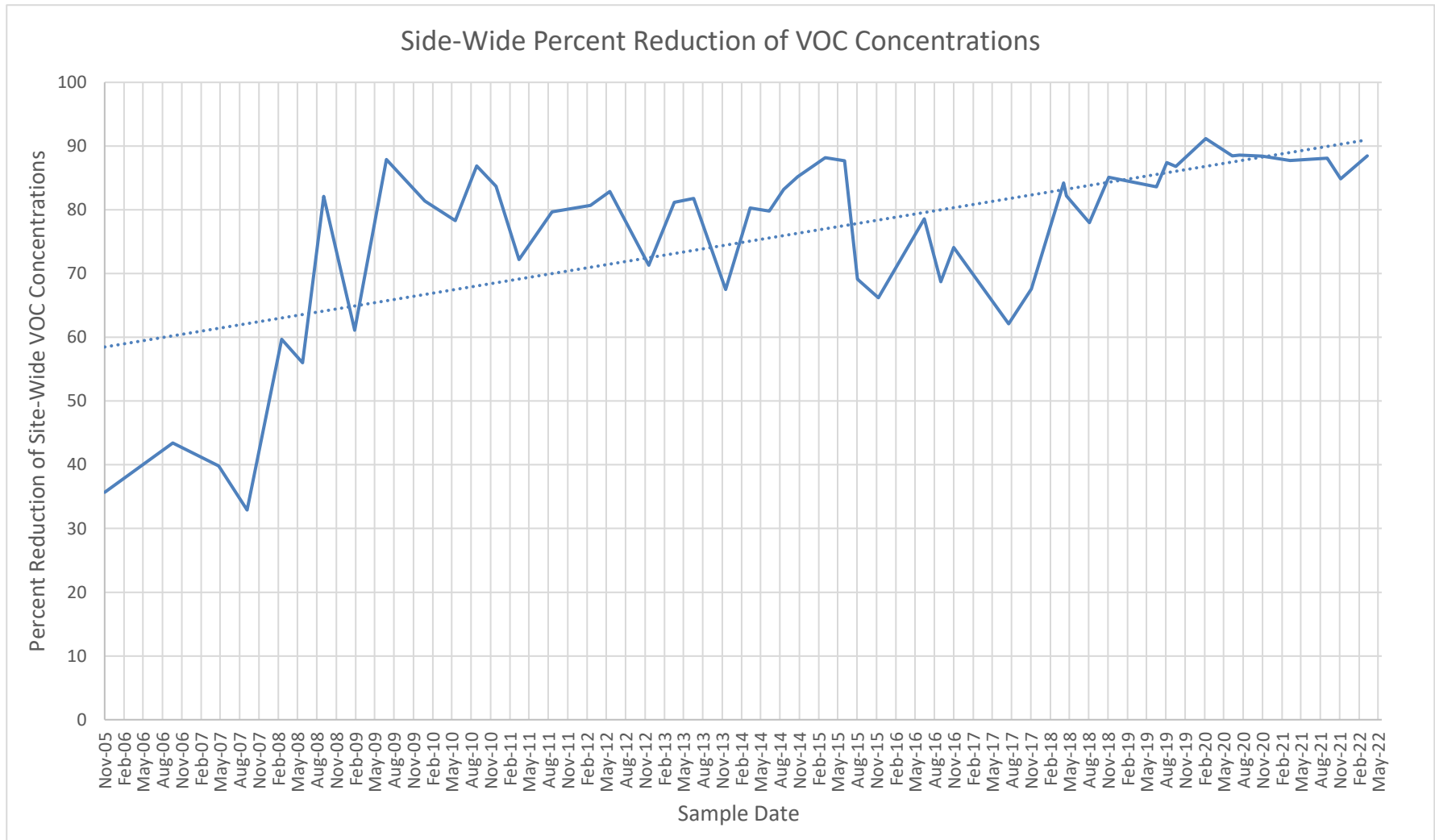




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CHART 1

Chart 1
Gowanda Site V00463

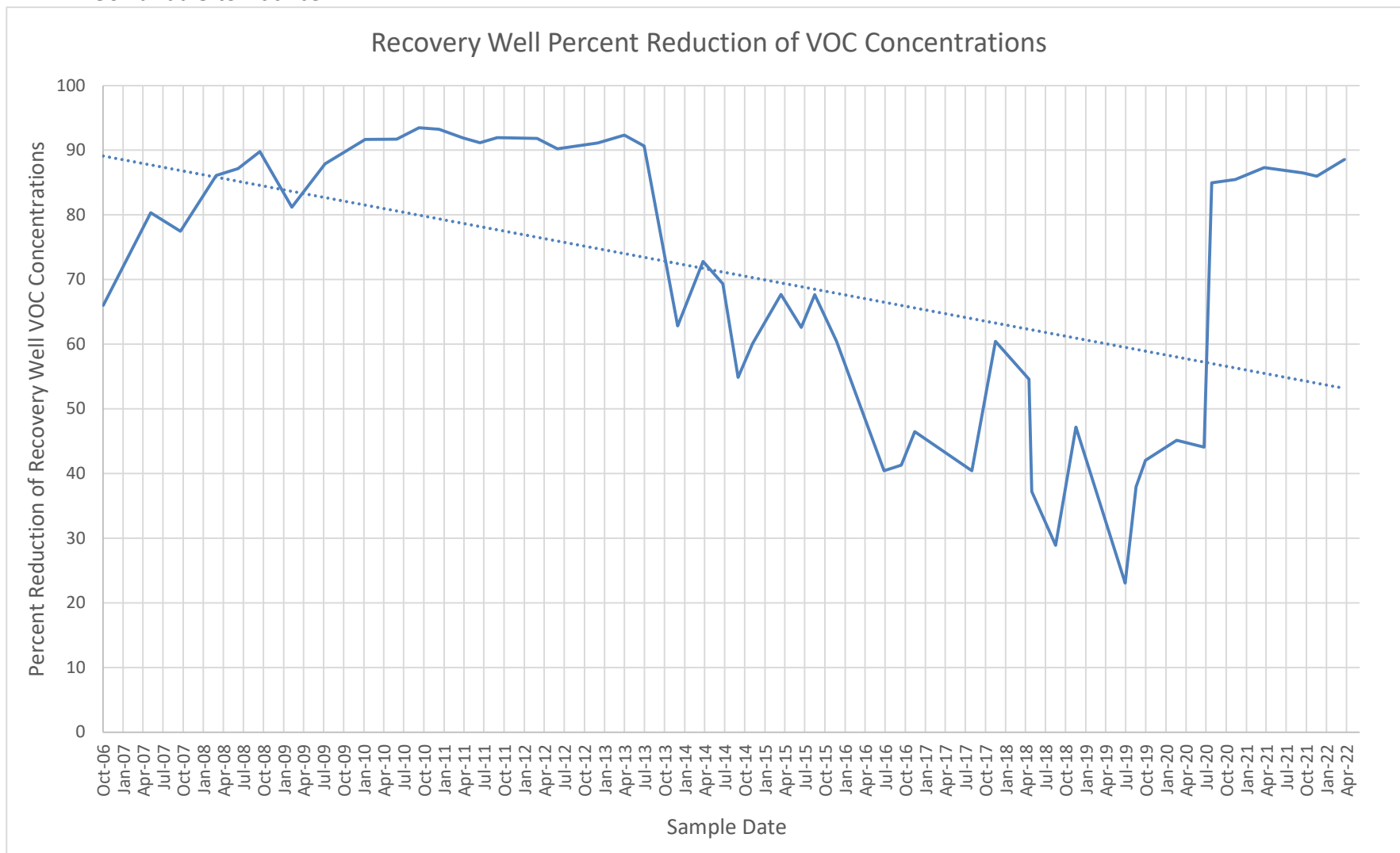




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CHART 2

Chart 2
Gowanda Site V00463





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APPENDIX A:

QUARTERLY GROUNDWATER CHARACTERIZATION REPORTS



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SEPTEMBER 2021
GROUNDWATER CHARACTERIZATION REPORT



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

4 Industrial Place, Gowanda, NY

GROUNDWATER CHARACTERIZATION REPORT-SEPTEMBER 2021 (Q3 2021)



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1.0 INTRODUCTION

Bergmann is submitting this groundwater characterization report for the third quarter 2021 sampling event, conducted on September 16th and 17th, 2021, 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 16th and September 17th, 2021. 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 all 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 March 2021 and included analysis of groundwater samples from all twenty-one (21) of twenty-one (21) site-related groundwater monitoring wells and all seven (7) groundwater recovery wells. A Q2 sampling event was not conducted in 2021 due to pending contract arrangements.

1.2 SITE BACKGROUND

The Gowanda Day Habilitation site consists of a 5.94-acre parcel located at 4 Industrial Place. 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.

During 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) and implementation of an ISCO treatment. Bergmann submitted an ISCO RAP for groundwater treatment to the NYSDEC to address 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 2021 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 June 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 2021 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 on a regular basis 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 16th and September 17th, 2021. Depth to groundwater measurements were obtained from 28 total wells (including seven [7] recovery wells).

Groundwater samples were collected from monitoring wells after each well was gauged. Sample parameters including turbidity, temperature, pH, oxygen, and conductivity were monitored 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 during this sampling event.



Bergmann delivered the groundwater samples to Alpha Analytical's service center in Rochester, NY. The samples were then transported by Alpha Analytical via a chain-of-custody protocol to their NYSELAP certified laboratory located in Westborough, Massachusetts. The samples were then tested for targeted chlorinated volatile organic compounds (VOCs) of concern, using EPA Method 8260C. Sample holding times were in compliance with the analytical method requirements. Analytical results for each individual monitoring well have been posted in Table 3 for comparative purposes from sampling events completed 2012 – 2021.

3.0 LOCAL GROUNDWATER FLOW CHARACTERIZATION

The Site water table potentiometric surface pattern and groundwater flow direction was determined for September 2021 using elevations measured at each well. Groundwater elevations and well reference elevations were calculated using depth to water values obtained on September 16th and September 17th, 2021. The well gauging values and groundwater elevations are provided in Table 1 – Groundwater Elevations and Field Measurements – September 2021.

The September 2021 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 2021 depths to groundwater range from 6.10 ft. below top of casing (btoc) at MW-2, to 13.50 ft. btoc at MW-6 and MW-7. The average depth to groundwater at the wells measured was 9.49 ft. btoc, which is a decrease from the average depth to water of the previous sampling event in March of 2021 (9.90).

The site-wide average depth to water table decreased by approximately 0.41 ft. when compared to the previous sampling event from March 2021. This decrease in depth to the water table is inferred as seasonal.

Measured depth to water at all gauged monitoring and recovery wells is presented in Table 1 and September 2021 Groundwater Contours are presented on Figure 1 – September 2021 Groundwater 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 16th and September 17th, 2021. Samples were analyzed for VOCs via EPA Method 8260C. Analysis was performed in accordance with the October 2006 OM&M Manual. The following halogenated VOCs 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)

Total VOCs values, as present throughout this report, in the text, charts, and Tables 2, 3, and 4, are not representative of total VOCs detected, but are exclusively representative of the sum of TCE, CIS, TRANS, VC, and TCA detected.



4.2 MONITORING WELL GROUNDWATER ANALYSIS SUMMARY

The September 2021 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. Analytical results are summarized in Table 2 – September 2021 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 2021 Sampling Event. Table 3 – Historic Groundwater Analysis Results Summary includes the historical total VOC concentrations at each well since sampling of the monitoring wells began in 2002.

VOCs were not detected in groundwater from six (6) of the sampled monitoring wells.

Groundwater samples from eleven (11) monitoring wells had detectable chlorinated VOCs at concentrations above applicable Class GA Standards. The monitoring well with the highest total VOCs, MW-1, with a value of 404.62 parts per billion (ppb), is located in the area of historically greatest impacted groundwater.

Concentrations in ten (10) of the twenty-one (21) monitoring well groundwater samples increased when compared to the March 2021 sampling event while concentrations in six (6) of the twenty-one (21) monitoring well groundwater samples decreased. Concentrations in five (5) groundwater samples from monitoring wells had no change. The current sampling analytical results indicate an average site-wide decrease in total VOCs of approximately 88.11% since activation of the GTS in May 2005.

The area of highest impacted groundwater exists at the area centered between monitoring wells MW-1 and MW-11, which has historically indicated the highest levels of VOCs and is inferred as the source area of impacted groundwater. In the area where the plume of impacted groundwater is inferred (monitoring wells MW-1, MW-6, MW-7, MW-11, MW-12, MW-14, MW-15, and MW-17) the current laboratory analysis shows a contaminant reduction in VOC concentrations by an average of approximately 79.20% since groundwater monitoring of these wells began in 2002.

Monitoring well MW-1 decreased in targeted chlorinated VOCs relative to the prior sampling event. The total VOC concentration at monitoring well MW-1 for the September 2021 sampling event was 404.62 parts per billion (ppb), a decrease from the March 2021 value of 928.9 ppb. Since activation of the GTS, detected VOCs at MW-1 have decreased by about 47.32%.

Monitoring well MW-11 decreased in targeted chlorinated VOCs relative to the prior sampling event. The total VOC concentration at MW-11 for the September 2021 sampling event is 386.9 ppb, a decrease from the March 2021 value of 490.7 ppb. Since activation of the GTS in May 2005, detected VOCs at MW-11 have decreased by 91.67%.

Monitoring well MW-12 decreased in targeted chlorinated VOCs relative to the prior sampling event. The total VOC concentration at MW-12 for the September 2021 sampling event is 65.86 ppb, a decrease from the March 2021 value of 65.88 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 about 99.48%.

Monitoring well MW-13 decreased in targeted chlorinated VOCs relative to the prior sampling event. The total VOC concentration at monitoring well MW-13 for the September 2021 sampling event was 0.95 ppb, a decrease from the March 2021 sampling event, which was 2.40 ppb. Since activation of the GTS, detected VOCs at MW-13 have decreased by about 99.70%.

Monitoring well MW-14 increased in targeted chlorinated VOCs relative to the prior sampling event. The total VOC concentration at MW-14 for the September 2021 sampling event is 84.40 ppb, an increase from the March 2021 value of 20.80 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 about 73.21%.



Monitoring well MW-15 increased in targeted chlorinated VOCs relative to the prior sampling event. The total VOC concentration at MW-15 for the September 2021 sampling event was 24.80 ppb, an increase from the March 2021 sampling event, which was 2.6 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 96.60%.

Six (6) groundwater monitoring wells are located along the subject property's north perimeter, down-gradient from the area of impacted groundwater. The north perimeter monitoring wells consist of wells MW-5, MW-6, MW-7, MW-16, MW-17 and MW-21. The current analytical results exhibit an increase in targeted VOCs at the sampled monitoring wells along the north perimeter, compared to the March 2021 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 results indicate a total VOC concentration of 6.33 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, 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 the Torrance Place road surface. These wells were uncovered after the July 2019 sampling event, and subsequent sampling events. Well MW-19R had a total VOC concentration of 0.34 ppb, and well MW-21 had a total VOC concentration of 19.16 ppb during the September 2021 sampling event.

Laboratory analytical results are included in Appendix A. Monitoring well locations and distribution of analytical results are shown on Figure 2 – September 2021 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-4 and MW-19R. The current results indicate non-detect levels for MW-4 and 0.34 ppb for MW-19R.

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. According to Mr. Chris Sanson, an Environmental Scientist for Groundwater & Environmental Services, Inc. (GES), an ISCO injection application was implemented for the Gowanda Electronics site in March 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 2021 sampling event, all of the seven (7) recovery wells were sampled.

The September 2021 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. Total VOCs 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 VOCs for the current sampling event is about 86.51% relative to concentrations prior to GTS



activation in 2002. Relative percent increase in total VOCs for all monitoring wells and recovery wells are shown on Table 4 – Percent Reductions in Total Groundwater VOCs.

Recovery well DR-1 decreased in targeted chlorinated VOCs relative to the prior sampling event. The total VOC concentration at DR-1 for the September 2021 sampling event is 98.05 ppb, a decrease from the March 2021 value of 485.3 ppb. The current sampling event indicates a decrease in VOCs at DR-1 of 98.77% 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 total VOC concentration at DR-2 for the September 2021 sampling event is 162.4 ppb, an increase from the March 2021 value of 144.2 ppb. The current sampling event indicates a decrease in VOCs at DR-2 of about 91.89% since activation of the GTS.

Recovery well DR-3 increased in targeted chlorinated VOCs relative to the prior sampling event. The total VOC concentration at DR-3 for the September 2021 sampling event is 85.26 ppb, an increase from the March 2021 value of 66.77 ppb. The current sampling event indicates a decrease in VOCs at DR-3 of about 94.19% since activation of the GTS.

Recovery well DR-4 increased in targeted chlorinated VOCs relative to the prior sampling event. The total VOC concentration at DR-4 for the September 2021 sampling event is 34.1 ppb, an increase from the March 2021 value of 31.9 ppb. The current sampling event indicates a decrease in VOCs at DR-4 of about 98.07% since activation of the GTS.

Recovery well G-1 increased in targeted chlorinated VOCs relative to the prior sampling event. The total VOC concentration at G-1 for the September 2021 sampling event was 51.83 ppb, an increase from the March 2021 value of 45.82 ppb. The current sampling event indicates a decrease in VOCs at G-1 of 90.48% since activation of the GTS.

Recovery well G-2 decreased in targeted chlorinated VOCs relative to the prior sampling event. The total VOC concentration at G-2 for the September 2021 sampling event was 45.4 ppb, a decrease from the March 2021 value of 64.38 ppb. The current sampling event indicates a decrease in VOCs at G-2 of 88.21% since activation of the GTS.

Recovery well G-3 increased in targeted chlorinated VOCs relative to the prior sampling event. The total VOC concentration at G-3 for the September 2021 sampling event was 226.09 ppb, an increase from the March 2021 value of 177.73 ppb. The current sampling event indicates a decrease in VOCs at G-3 of 43.90% 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 2021 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 had a detected concentration of acetone of 2.8 ppb, which may be a laboratory artifact. A trip blank was supplied by the laboratory for the September 2021 sampling event, and was analyzed. A field duplicate (labeled as MW-X) was taken from MW-4.

Laboratory analytical results are included in Appendix A.



5.0 REMEDIATION SYSTEM EFFICIENCY

5.1 IMPACT OF THE GTS RECOVERY WELLS

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

Chart 2 displays the relationship between monitoring wells MW-1, MW-11 and recovery well DR-1. The current total VOCs at MW-1 (404.62 ppb) show a decrease from the March 2021 sampling event (928.9 ppb). The current total VOCs at MW-11 (386.9 ppb) shows a decrease from the March 2021 sampling event (490.7 ppb). The current total VOCs at DR-1 (98.05 ppb) show a decrease from the March 2021 sampling event (485.3 ppb).

Chart 3 compares laboratory 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 total VOCs at MW-12 (65.86 ppb) shows a decrease from the March 2021 sampling event (65.88 ppb). The current total VOCs at recovery well DR-2 (162.4 ppb) show an increase from the March 2021 sampling event (144.2 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 total VOCs at MW-14 (84.40 ppb) show an increase from the March 2021 sampling event (20.80 ppb). The current total VOCs at recovery well DR-3 (85.26 ppb) show an increase from the March 2021 sampling event (66.77 ppb).

Chart 5 compares laboratory results between recovery well DR-4 and MW-15. These wells are located at the center-north portion of the building. The current total VOCs at MW-15 (24.80 ppb) show an increase from the March 2021 sampling event (2.6 ppb). The current total VOCs at recovery well DR-4 (34.1 ppb) show an increase from the March 2021 sampling event (31.9 ppb).

Chart 6 compares laboratory results between recovery well G-1 and monitoring well MW-17. The recovery well is located in the northern portion of the building and MW-17 is located along the northern property line. The current total VOCs at recovery well MW-17 (230.86 ppb) show an increase from the March 2021 sampling event (173.6 ppb). The current total VOCs at recovery well G-1 (51.83 ppb) show an increase from the March 2021 sampling event (45.82 ppb).

Chart 7 compares laboratory results between recovery well G-2 and MW-7 which are located at the northeastern portion of the building. This area is at the apparent western perimeter of the area of impacted groundwater. Recovery well G-2 had a total VOC concentration of 45.4 ppb, which shows a decrease from the March 2021 sampling event (64.38 ppb). The September 2021 total VOCs of MW-7 (102.37 ppb) showed an increase from the March 2021 sampling event (94.74 ppb).

Chart 8 compares laboratory 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. This area is at the western perimeter of the apparent area of impacted groundwater. The current total VOCs at monitoring well MW-17 (230.86 ppb) showed an increase from the March 2021 sampling event (173.6 ppb). The current total VOCs at recovery well G-3 (226.09 ppb) showed an increase from the March 2021 sampling event (177.73 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. 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 impacted groundwater. 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. Although concentrations of VOCs detected at downgradient monitoring wells generally increased between the March and September 2021 sampling events, this increase appears to be cyclical and is inferred as seasonal. Therefore, residual VOCs in the plume have not migrated and appear to be stabilized when compared to sample results with operation of the GTS during previous monitoring events.

VOCs were not sampled at MW-19R and MW-21 during the July 2019 and November 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. The full analytical results are summarized in Table 5.

The redevelopment of wells was performed in fall 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 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 2021. Future sampling and analytical 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 pattern and movement of residual impacted groundwater at the site will be monitored and recorded during future sampling events.



TABLES

Table 1 Groundwater Elevations and Field Measurements September 2021

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)	6.20	6.10	6.40	7.03	10.65	13.50	13.50	9.90	9.80	7.30
Groundwater Elevation	772.03	771.98	771.98	771.40	767.96	767.60	767.44	771.43	772.81	772.72
Well Diameter	2"	2"	2"	2"	2"	2"	2"	2"	2"	2"
Product Thickness	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Well Depth (btoc)	16.02	17.15	16.30	15.78	13.95	22.88	21.80	17.65	20.96	19.44
Bottom of Well Elevation	762.21	760.93	762.08	762.65	764.66	758.22	759.14	763.68	761.65	760.58
Thickness of Water Column	9.82	11.05	9.90	8.75	3.30	9.38	8.30	7.75	11.16	12.14
Minimum Purge Volume (gal)	1.60	1.80	1.61	1.43	0.54	1.53	1.4	1.26	1.82	2.0
3 Volumes	4.80	5.40	4.8	4.28	1.61	4.59	4.06	3.79	5.5	5.94
Actual volume purged	5.00	5.50	5.0	4.30	1.75	4.75	4.25	4.0	5.5	6.00
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)	6.50	6.80	6.85	10.35	10.30	13.12	13.25	9.15	7.9	9.65	9.2
Groundwater Elevation	772.08	771.70	771.54	768.08	768.08	767.31	766.60	767.24	766.3	768.39	765.56
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	8.98	10.58	10.55	7.80	9.50	10.14	11.93	15.85	9.77	5.10	6.62
Minimum Purge Volume (gal)	1.46	1.72	1.72	1.27	1.55	1.7	1.94	2.58	1.6	0.8	1.1
3 Volumes	4.39	5.17	5.16	3.81	4.65	4.96	5.83	7.75	4.8	2.49	3.24
Actual volume purged	4.50	5.25	5.25	4.00	4.75	5.0	6.00	7.75	5.00	2.5	3.25
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)	7.70	7.30	11.70	11.70	11.90	11.8	10.20
Groundwater Elevation	771.96	772.63	768.08	767.94	767.93	767.92	769.22
Well Diameter	4"	4"	4"	4"	4"	4"	4"
Product Thickness	ND	ND	ND	ND	ND	ND	ND
Well Depth (btoc)	18.06	18.06	20.45	19.69	22.98	20.72	18.15
Bottom of Well Elevation	761.6	761.87	759.33	759.95	756.85	759	761.27
Thickness of Water Column	10.36	10.76	8.75	7.99	11.08	8.92	7.95
Minimum Purge Volume (gal)	6.77	7.03	5.71	5.22	7.24	5.82	5.19
3 Volumes	20.295	21.1	17.14	15.65	21.706	17.47	15.57
Actual volume purged	20.3	21.25	17.25	15.75	21.75	17.50	15.75
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 2021 Analytical Results Summary

Gowanda Day Habilitation Center
4 Industrial Place, Gowanda, New York
VCA # V-00463-9

Monitoring Well MW-1

Sample Date 09/17/2021

Sampling Events

Analyte	in ppb	Mar 2021	Sep 2021	NYS Guidance Value
TCE		760.00	300.00	5.0
CIS		160.00	100.00	5.0
TRANS		8.9	3.9	5.0
VC		ND	0.72	2.0
TCA		ND	ND	5.0
Total VOCs		928.90	404.62	

Monitoring Well MW-2

Sample Date: 09/17/2021

Sampling Events

Analyte	in ppb	Mar 2021	Sep 2021	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: 09/17/2021

Sampling Events

Analyte	in ppb	Mar 2021	Sep 2021	NYS Guidance Value
TCE		0.21	ND	5.0
CIS		1.10	ND	5.0
TRANS		ND	ND	5.0
VC		ND	ND	2.0
TCA		ND	ND	5.0
Total VOCs		1.31	ND	

Monitoring Well MW-4

Sample Date: 09/17/2021

Sampling Events

Analyte	in ppb	Mar 2021	Sep 2021	NYS Guidance Value
TCE		ND	ND	5.0
CIS		ND	ND	5.0
TRANS		ND	ND	5.0
VC		ND	ND	2.0
TCA		ND	ND	5.0
Total VOCs		ND	ND	

Monitoring Well MW-5

Sample Date: 09/17/2021

Sampling Events

Analyte	in ppb	Mar 2021	Sep 2021	NYS Guidance Value
TCE		0.79	1.50	5.0
CIS		ND	ND	5.0
TRANS		ND	ND	5.0
VC		ND	ND	2.0
TCA		ND	ND	5.0
Total VOCs		0.79	1.50	

Monitoring Well MW-6

Sample Date: 09/17/2021

Sampling Events

Analyte	in ppb	Mar 2021	Sep 2021	NYS Guidance Value
TCE		ND	ND	5.0
CIS		65.00	57.00	5.0
TRANS		ND	ND	5.0
VC		13.00	38.00	2.0
TCA		ND	ND	5.0
Total VOCs		78.00	95.00	

ND = Non-detect

NS = Not Sampled. No analysis performed during this sampling event.

Results expressed as parts per billion (ppb). Total VOCs values are not the total VOCs detected, but the sum of TCE, CIS, TRANS, VC, and TCA detected.

Bold results exceed NYSDEC TOGS 1.1.1 Class GA, June 1998 re-issue (MTBE = April 2000 Addendum Guidance Value)

Table 2 September 2021 Analytical Results Summary

Gowanda Day Habilitation Center
4 Industrial Place, Gowanda, New York
VCA # V-00463-9

Monitoring Well MW-7

Sample Date: 09/17/2021

Sampling Events

Analyte	in ppb	Mar 2021	Sep 2021	NYS Guidance Value
TCE		1.00	0.97	5.0
CIS		93.00	100.00	5.0
TRANS		ND	ND	5.0
VC		0.74	1.40	2.0
TCA		ND	ND	5.0
Total VOCs		94.74	102.37	

Monitoring Well MW-8

Sample Date: 09/17/2021

Sampling Events

Analyte	in ppb	Mar 2021	Sep 2021	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: 09/17/2021

Sampling Events

Analyte	in ppb	Mar 2021	Sep 2021	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: 09/17/2021

Sampling Events

Analyte	in ppb	Mar 2021	Sep 2021	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: 09/16/2021

Sampling Events

Analyte	in ppb	Mar 2021	Sep 2021	NYS Guidance Value
TCE		370.00	94.00	5.0
CIS		110.00	280.00	5.0
TRANS		10.00	3.7	5.0
VC		0.70	9.20	2.0
TCA		ND	ND	5.0
Total VOCs		490.7	386.9	

Monitoring Well MW-12

Sample Date: 09/16/2021

Sampling Events

Analyte	in ppb	Mar 2021	Sep 2021	NYS Guidance Value
TCE		22.00	18.00	5.0
CIS		42.00	47.00	5.0
TRANS		1.20	0.76	5.0
VC		0.68	0.10	2.0
TCA		ND	ND	5.0
Total VOCs		65.88	65.86	

ND = Non-detect

NS = Not Sampled. No analysis performed during this sampling event.

Results expressed as parts per billion (ppb).

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

Bold results exceed NYSDEC TOGS 1.1.1 Class GA, June 1998 re-issue (MTBE = April 2000 Addendum Guidance Value)

Table 2 September 2021 Analytical Results Summary

Gowanda Day Habilitation Center
4 Industrial Place, Gowanda, New York
VCA # V-00463-9

Monitoring Well MW-13

Sample Date: 09/16/2021

Sampling Events

Analyte	in ppb	Mar 2021	Sep 2021	NYS Guidance Value
TCE		2.40	0.95	5.0
CIS		ND	ND	5.0
TRANS		ND	ND	5.0
VC		ND	ND	2.0
TCA		ND	ND	5.0
Total VOCs		2.40	0.95	

Monitoring Well MW-14

Sample Date: 09/16/2021

Sampling Events

Analyte	in ppb	Mar 2021	Sep 2021	NYS Guidance Value
TCE		12.0	9.4	5.0
CIS		8.8	73.0	5.0
TRANS		ND	ND	5.0
VC		ND	2.0	2.0
TCA		ND	ND	5.0
Total VOCs		20.80	84.4	

Monitoring Well MW-15

Sample Date: 09/16/2021

Sampling Events

Analyte	in ppb	Mar 2021	Sep 2021	NYS Guidance Value
TCE		2.60	16.00	5.0
CIS		ND	8.8	5.0
TRANS		ND	ND	5.0
VC		ND	ND	2.0
TCA		ND	ND	5.0
Total VOCs		2.60	24.8	

Monitoring Well MW-16

Sample Date: 09/17/2021

Sampling Events

Analyte	in ppb	Mar 2021	Sep 2021	NYS Guidance Value
TCE		0.18	0.26	5.0
CIS		14.00	22.00	5.0
TRANS		ND	ND	5.0
VC		0.14	0.30	2.0
TCA		ND	ND	5.0
Total VOCs		14.32	22.56	

Monitoring Well MW-17

Sample Date: 09/17/2021

Sampling Events

Analyte	in ppb	Mar 2021	Sep 2021	NYS Guidance Value
TCE		22.00	20.00	5.0
CIS		150.00	210.00	5.0
TRANS		1.2	ND	5.0
VC		0.43	0.86	2.0
TCA		ND	ND	5.0
Total VOCs		173.6	230.86	

Monitoring Well MW-18

Sample Date: 09/17/2021

Sampling Events

Analyte	in ppb	Mar 2021	Sep 2021	NYS Guidance Value
TCE		0.61	0.77	5.0
CIS		0.94	5.4	5.0
TRANS		ND	ND	5.0
VC		ND	0.16	2.0
TCA		ND	ND	5.0
Total VOCs		1.55	6.33	

ND = Non-detect

NS = Not Sampled. No analysis performed during this sampling event.

Results expressed as parts per billion (ppb). Total VOCs values are not the total VOCs detected, but the sum of TCE, CIS, TRANS, VC, and TCA detected.

Bold results exceed NYSDEC TOGS 1.1.1 Class GA, June 1998 re-issue (MTBE = April 2000 Addendum Guidance Value)

Table 2 September 2021 Analytical Results Summary

Gowanda Day Habilitation Center
4 Industrial Place, Gowanda, New York
VCA # V-00463-9

Monitoring Well MW-19R

Sample Date: 09/17/2021

Sampling Events

Analyte	in ppb	Mar 2021	Sep 2021	NYS Guidance Value
TCE		0.20	0.34	5.0
CIS		ND	ND	5.0
TRANS		ND	ND	5.0
VC		ND	ND	2.0
TCA		0.3	ND	5.0
Total VOCs		0.50	0.34	

Monitoring Well MW-20

Sample Date: 09/17/2021

Sampling Events

Analyte	in ppb	Mar 2021	Sep 2021	NYS Guidance Value
TCE		ND	ND	5.0
CIS		ND	ND	5.0
TRANS		ND	ND	5.0
VC		ND	0.35	2.0
TCA		ND	ND	5.0
Total VOCs		ND	0.35	

Monitoring Well MW-21

Sample Date: 09/17/2021

Sampling Events

Analyte	in ppb	Mar 2021	Sep 2021	NYS Guidance Value
TCE		1.1	1.9	5.0
CIS		4.5	16.0	5.0
TRANS		ND	0.83	5.0
VC		ND	0.43	2.0
TCA		ND	ND	5.0
Total VOCs		5.60	19.16	

ND = Non-detect

NS = Not Sampled. No analysis performed during this sampling event.

Results expressed as parts per billion (ppb). Total VOCs values are not the total VOCs detected, but the sum of TCE, CIS, TRANS, VC, and TCA detected.

Bold results exceed NYSDEC TOGS 1.1.1 Class GA, June 1998 re-issue (MTBE = April 2000 Addendum Guidance Value)

Table 2 September 2021 Analytical Results Summary

Gowanda Day Habilitation Center
4 Industrial Place, Gowanda, New York
VCA # V-00463-9

Recovery Well DR-1

Sample Date: 09/16/2021

Sampling Events

Analyte	in ppb	Mar 2021	Sep 2021	NYS Guidance Value
TCE		400	78	5.0
CIS		79	19	5.0
TRANS		5.1	0.89	5.0
VC		1.20	0.16	2.0
TCA		ND	ND	5.0
Total VOCs		485.3	98.05	

Recovery Well DR-2

Sample Date: 09/16/2021

Sampling Events

Analyte	in ppb	Mar 2021	Sep 2021	NYS Guidance Value
TCE		29.0	29.0	5.0
CIS		110	130	5.0
TRANS		1.3	1.2	5.0
VC		3.90	2.2	2.0
TCA		ND	ND	5.0
Total VOCs		144.2	162.4	

Recovery Well DR-3

Sample Date: 09/16/2021

Sampling Events

Analyte	in ppb	Mar 2021	Sep 2021	NYS Guidance Value
TCE		24	22	5.0
CIS		41	60	5.0
TRANS		0.92	0.76	5.0
VC		0.85	2.5	2.0
TCA		ND	ND	5.0
Total VOCs		66.77	85.26	

Recovery Well DR-4

Sample Date: 09/16/2021

Sampling Events

Analyte	in ppb	Mar 2021	Sep 2021	NYS Guidance Value
TCE		25	25	5.0
CIS		6.9	9.1	5.0
TRANS		ND	ND	5.0
VC		ND	ND	2.0
TCA		ND	ND	5.0
Total VOCs		31.9	34.1	

Recovery Well G-1

Sample Date: 09/16/2021

Sampling Events

Analyte	in ppb	Mar 2021	Sep 2021	NYS Guidance Value
TCE		4.20	4.1	5.0
CIS		41	47	5.0
TRANS		ND	ND	5.0
VC		0.62	0.73	2.0
TCA		ND	ND	5.0
Total VOCs		45.82	51.83	

Recovery Well G-2

Sample Date: 09/16/2021

Sampling Events

Analyte	in ppb	Mar 2021	Sep 2021	NYS Guidance Value
TCE		0.38	0.72	5.0
CIS		63	44	5.0
TRANS		ND	ND	5.0
VC		1.00	0.68	2.0
TCA		ND	ND	5.0
Total VOCs		64.38	45.4	

ND = Non-detect

NS = Not Sampled. No analysis performed during this sampling event.

Results expressed as parts per billion (ppb). Total VOCs values are not the total VOCs detected, but the sum of TCE, CIS, TRANS, VC, and TCA detected.

Bold results exceed NYSDEC TOGS 1.1.1 Class GA, June 1998 re-issue (MTBE = April 2000 Addendum Guidance Value)

Table 2 September 2021 Analytical Results Summary

Gowanda Day Habilitation Center
4 Industrial Place, Gowanda, New York
VCA # V-00463-9

Recovery Well G-3

Sample Date: 09/17/2021

Sampling Events

Analyte	in ppb	Mar 2021	Sep 2021	NYS Guidance Value
TCE		26	24	5.0
CIS		150	200	5.0
TRANS		1.3	1.4	5.0
VC		0.43	0.69	2.0
TCA		ND	ND	5.0
Total VOCs		177.73	226.09	

Duplicate Blank (MW-4)

Sample Date: 09/17/2021

Sampling Events

Analyte	in ppb	Sep 2021	NYS Guidance Value
TCE		ND	5.0
CIS		ND	5.0
TRANS		ND	5.0
VC		ND	2.0
TCA		ND	5.0
Total VOCs		ND	

Equipment Blank

Sample Date: 09/17/2021

Sampling Events

Analyte	in ppb	Mar 2021	Sep 2021	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

NS = Not Sampled. No analysis performed during this sampling event.

Results expressed as parts per billion (ppb). Total VOCs values are not the total VOCs detected, but the sum of TCE, CIS, TRANS, VC, and TCA detected.

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 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	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	0.29	ND	ND	ND	ND	0.28	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-3	ND	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	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	1.50	0.79	1.60	ND	0.51	0.42	0.47	0.52	0.9	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-6	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	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	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	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	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-11	386.9	490.7	546.5	584.0	1274	604.5	699.3	937.4	1059	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	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	0.95	2.40	1.34	ND	2.7	3.4	2.1	0.50	1.38	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-14	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	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	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	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	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	ND	ND	ND	ND	16.6	2.33	
MW-19R	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	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	19.16	5.60	32.04	11.0	5.9	23.5	24.49	18.33	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)	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	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 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)	
DR-1	98.05	185.3	91.0	172.9	91.0	112.3	122.0	112.3	103.6	1,119	1,070	1,540	1,119	67	910	319	189	217	199	187	215	199	217	219	219	231	207	232	73	53	43	26.58	67.3
DR-2	162	144.2	116	116.0	121.9	137	185	192	156	162	128	130	176	190	137	158	198	154	62	45	76	83	55	161	220	181	229	301	293	187	229	31.3	3.9
DR-3	85.26	66.77	81.73	63.0	81.8	67.7	99.7	101	95	87	125.4	34	48	NS	98	154	62	45	76	83	55	161	220	181	229	301	293	187	229	31.3	3.9	24.9	
DR-4	34.1	31.9	42.34	29.60	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	51.83	45.82	100.60	53.0	37.6	50.0	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	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	28	NS	48	34	37	52	14	68	81	50	132.2	75.3	41.9		
G-3	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	30	NS	NS	NS	NS	NS	NS	82	NS	11	25	41.6	147.3	44.2

RECOVERY WELLS

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

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.

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

[illegible][illegible]

*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.



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FIGURES

I:\DASNY\014263.07 DASNY-Gowanda 2021 O&M LS\3.0 Design\3.8 Reports\Gowanda Q3 2021\Figures\Figure 1 September 2021.dwg



DASNY
Gowanda Day
Habilitation Center
4 Industrial Place
Gowanda, New York

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REVISIONS				
NO.	DATE	DESCRIPTION	REV.	CK'D

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Architects & Surveyors, D.P.C.

Note:
Unauthorized alteration or addition to this
drawing is a violation of the New York State
Education Law Article 145, Section 7209.

Project Manager: J. O'BRIEN	Checked By: J. O'BRIEN
Designed By:	Drawn By: C. WOOD
Date Issued: 11/13/2021	Scale: 1" = 60'
Project Number: 14263.07	

SEPTEMBER 2021
WATER LEVEL
CONTOUR MAP

Drawing Number:
FIGURE 1

DASNY

Gowanda Day
Habilitation Center

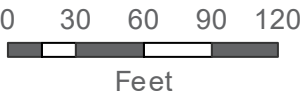
4 Industrial Place
Gowanda, NY



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Figure 2

September 2021
Distribution of
Groundwater
Analytical Results:
Monitoring Wells



DASNY

Gowanda Day
Habilitation Center

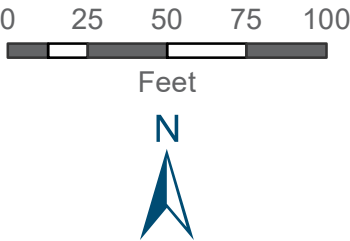
4 Industrial Place
Gowanda, NY



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Figure 3

September 2021
Distribution of
Groundwater
Analytical Results:
Recovery Wells





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CHARTS

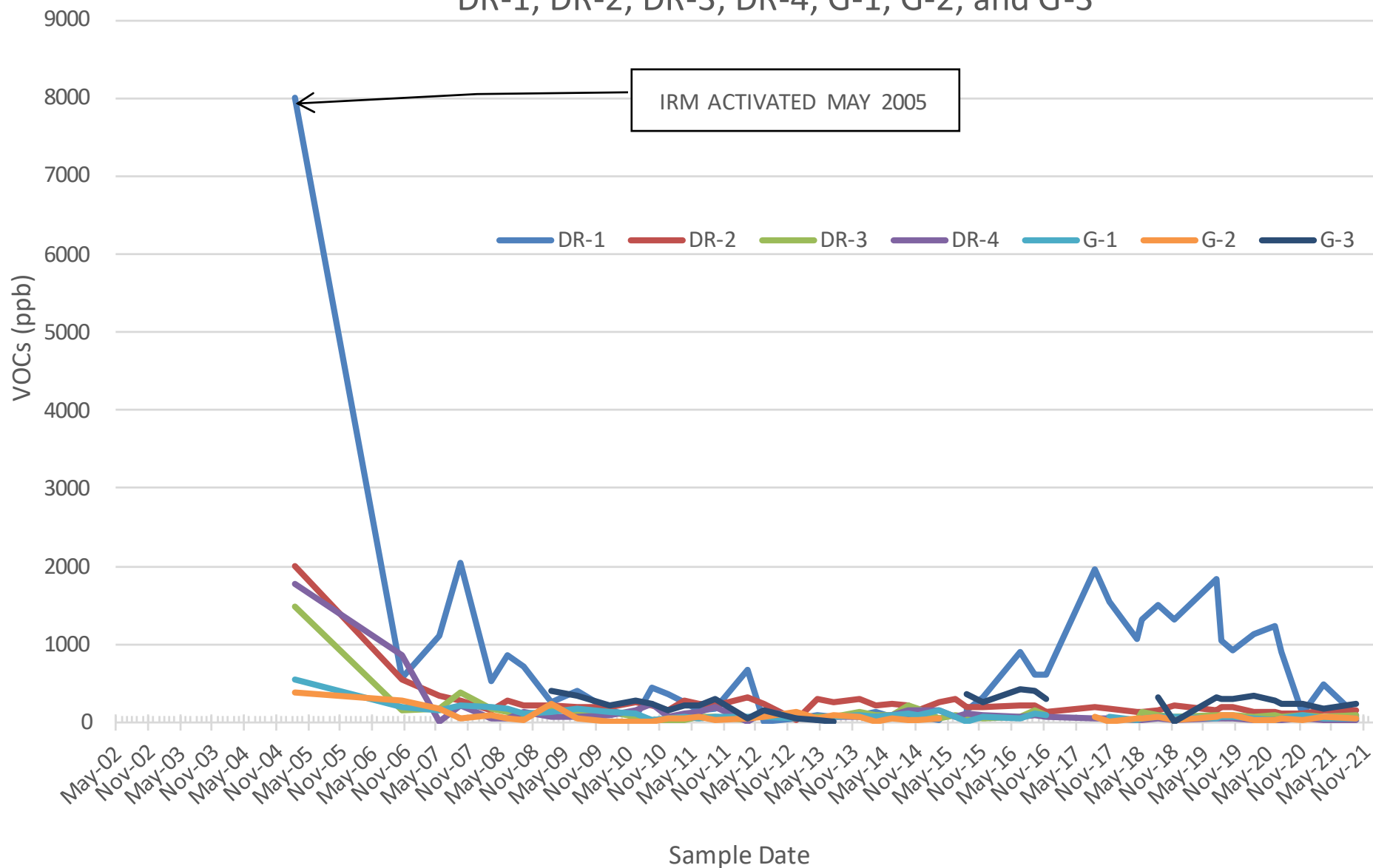


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Groundwater Recovery Wells DR-1, DR-2, DR-3, DR-4, G-1, G-2, and G-3

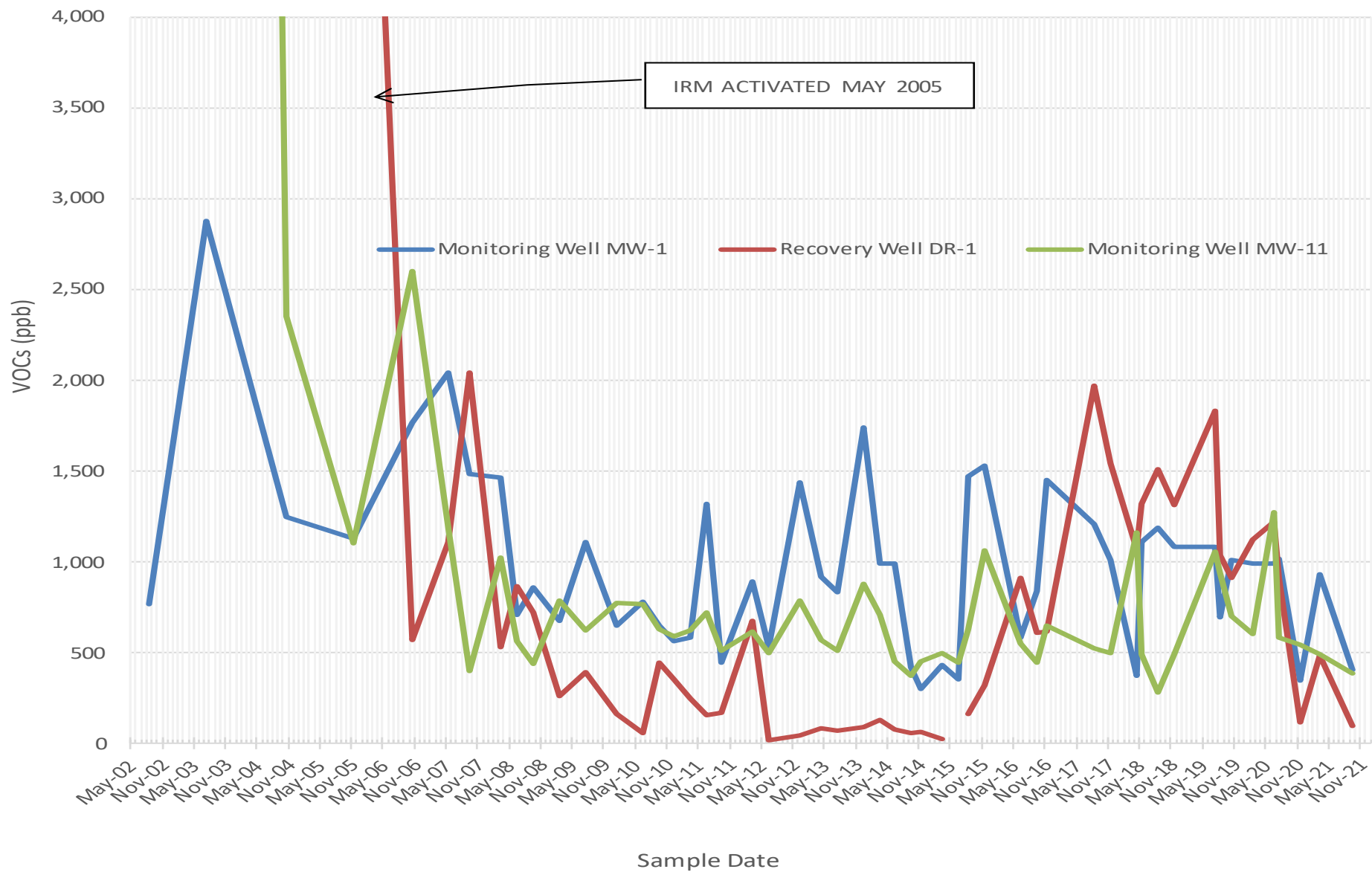




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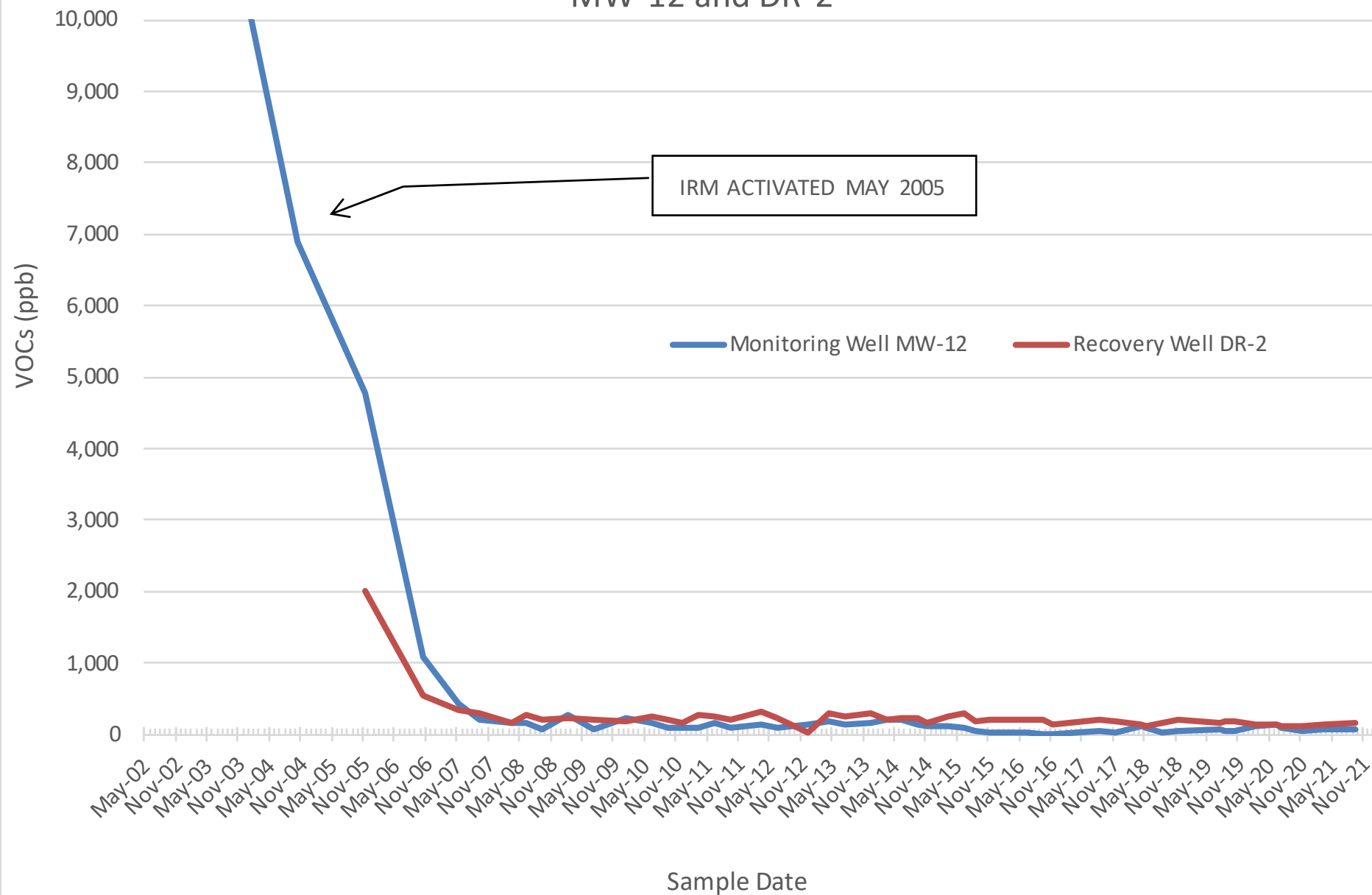
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MW-1, DR-1 and MW-11





MW-12 and DR-2

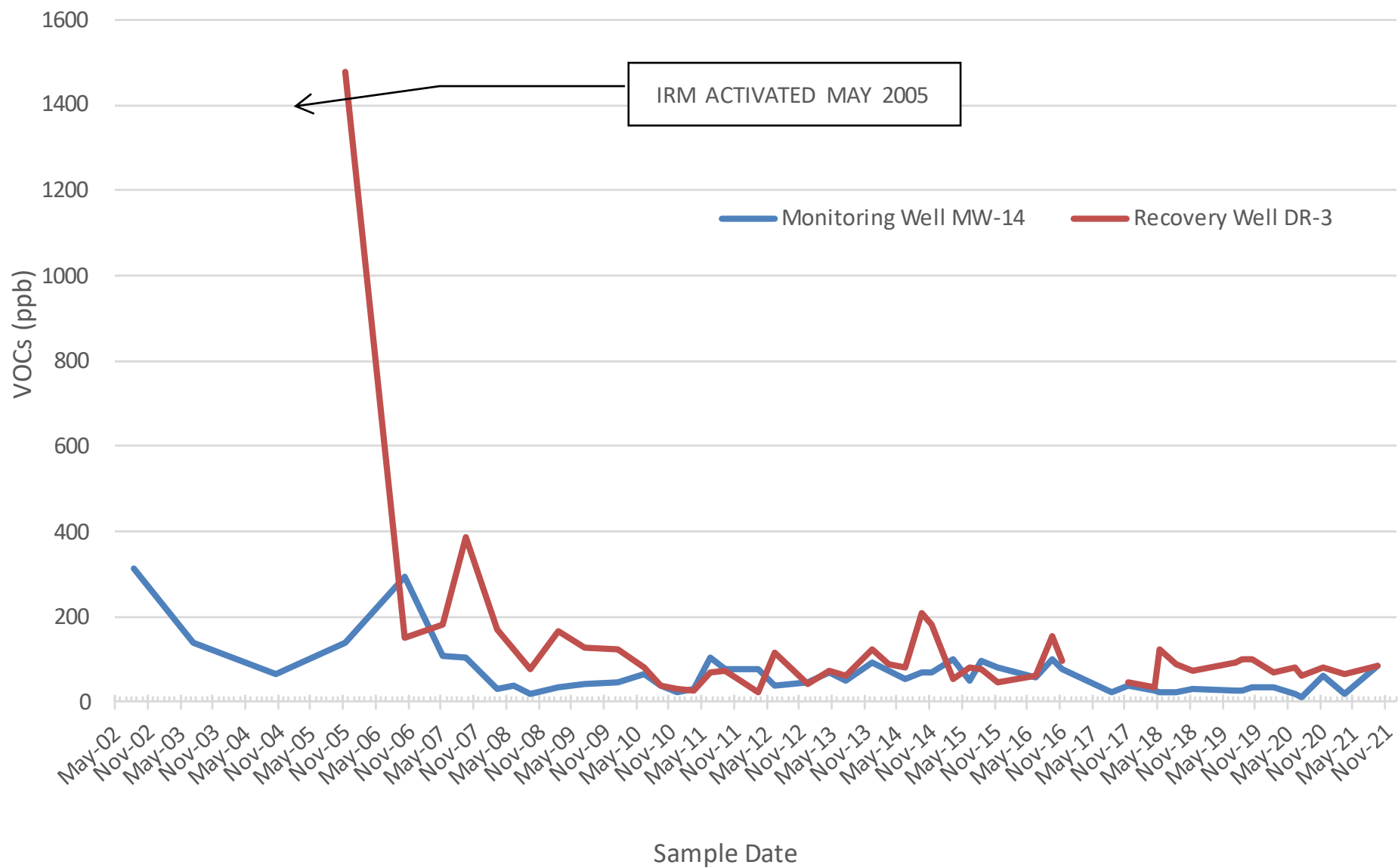




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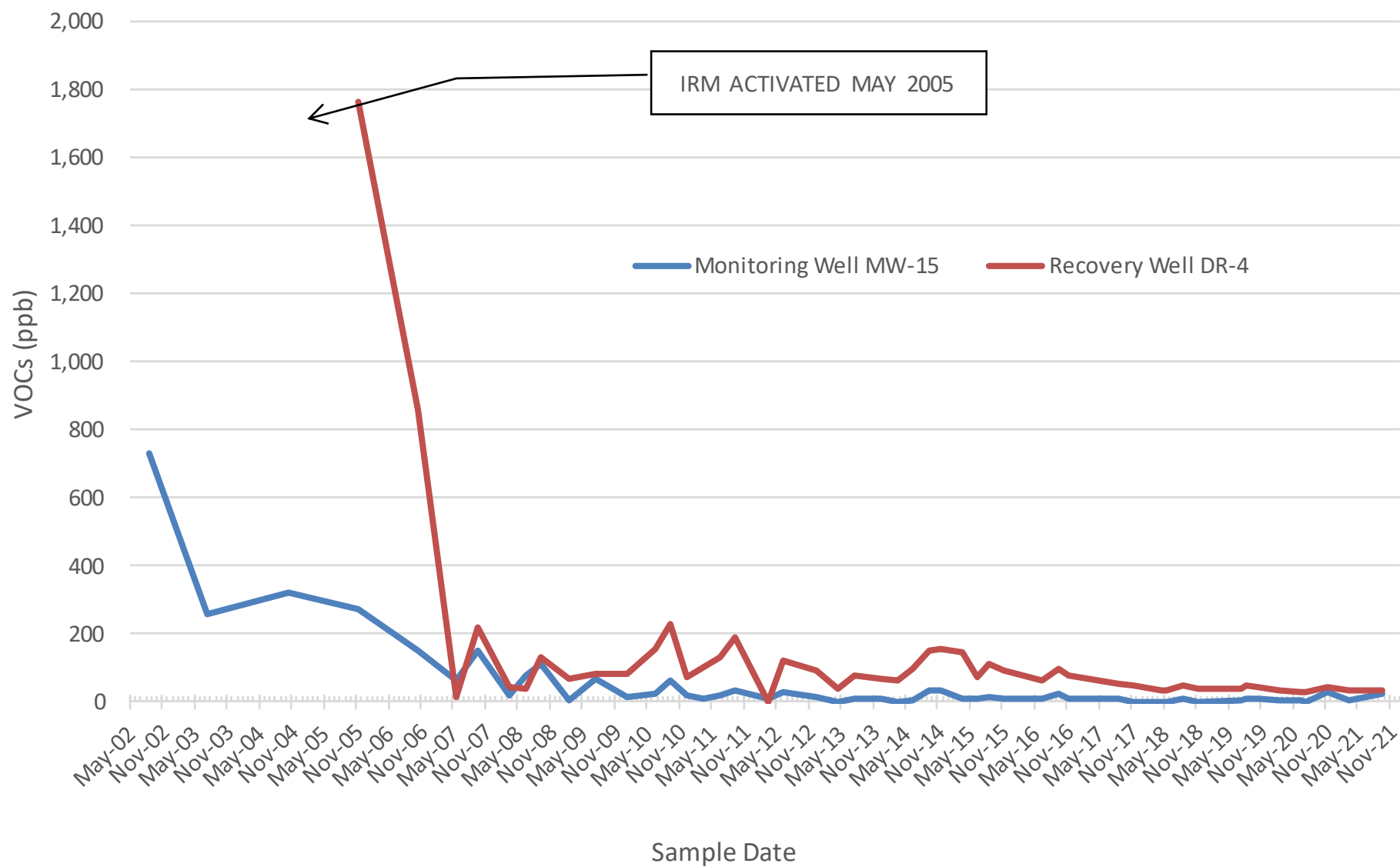
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MW-14 and DR-3





MW-15 and DR-4

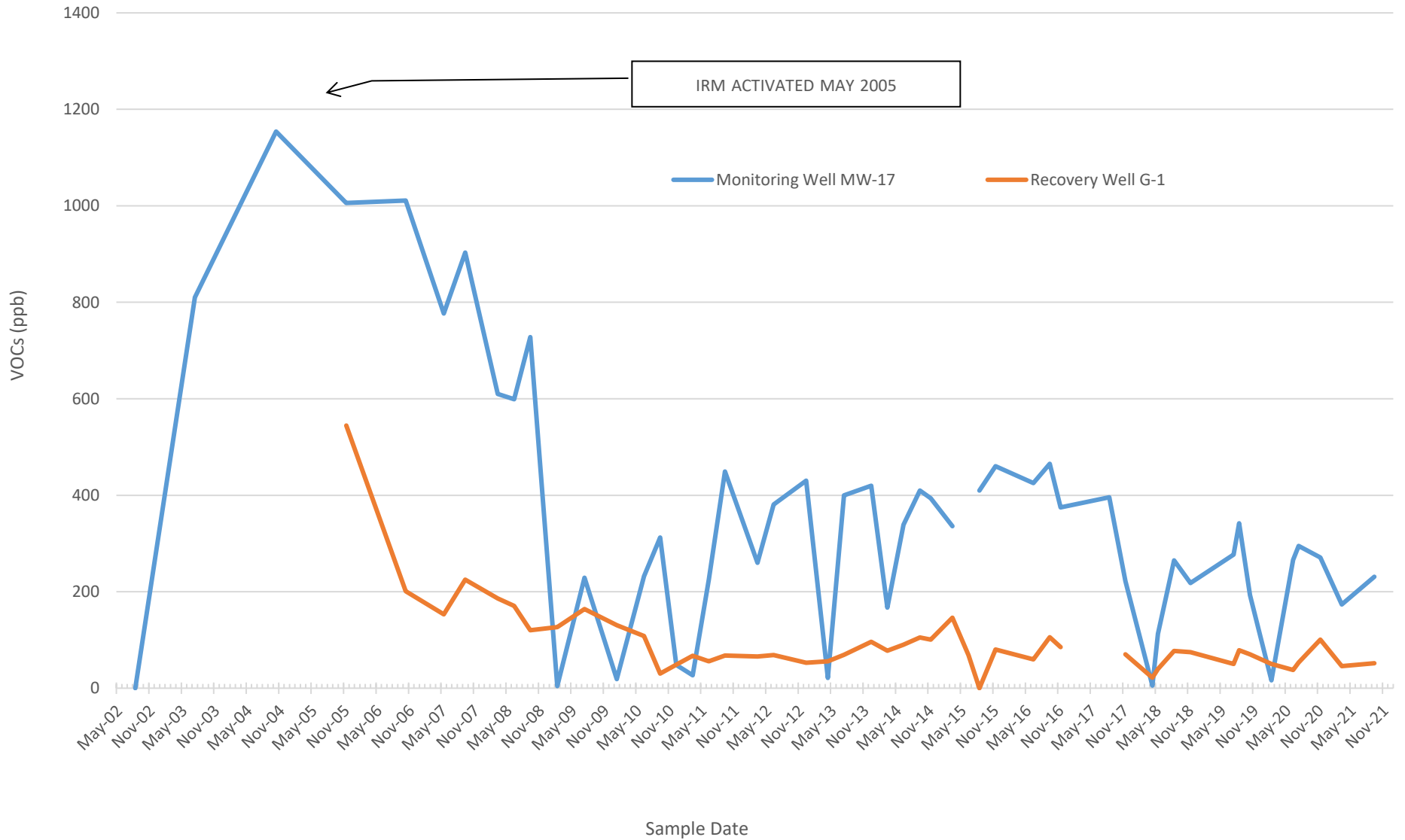




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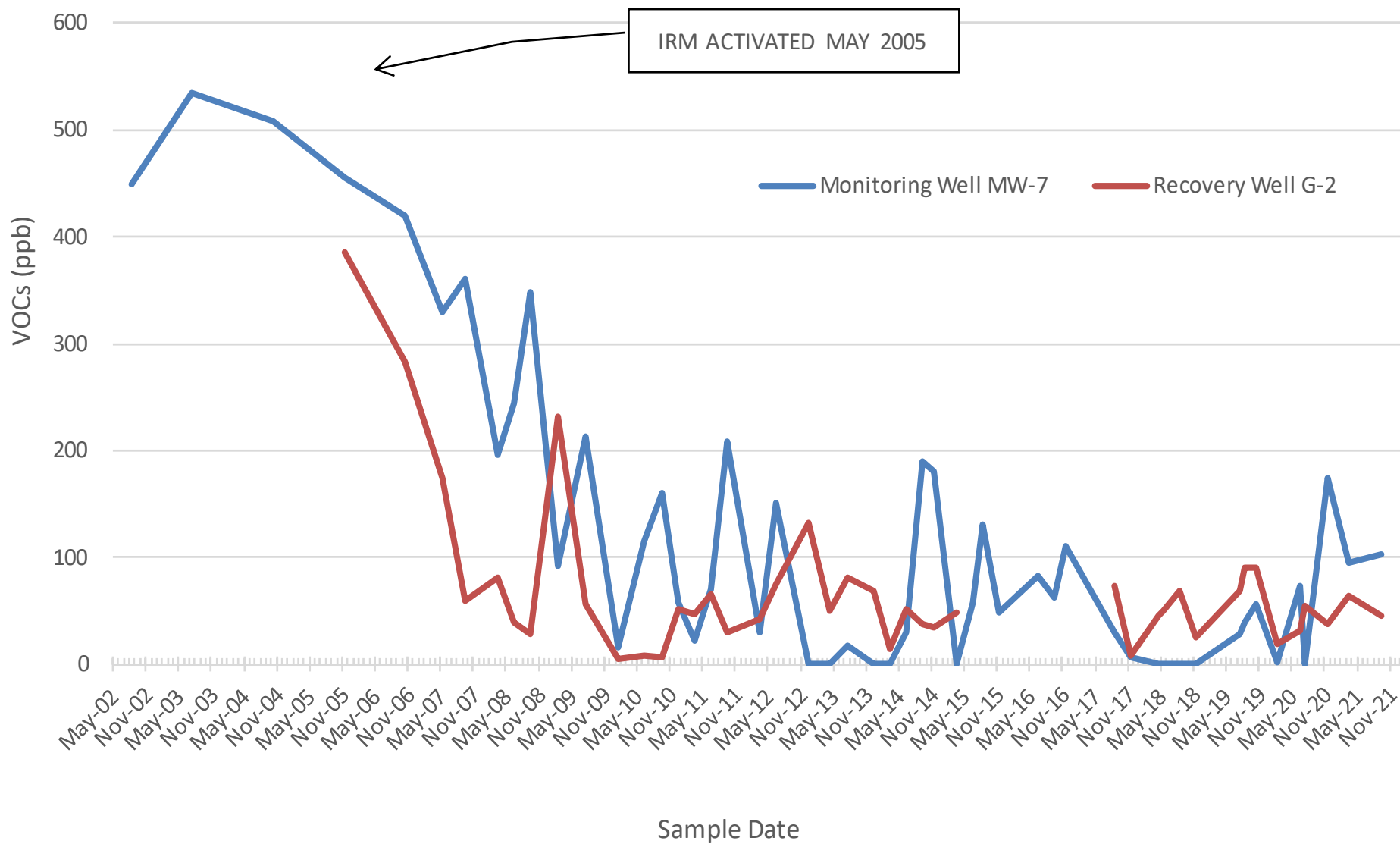
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MW-17 and G-1



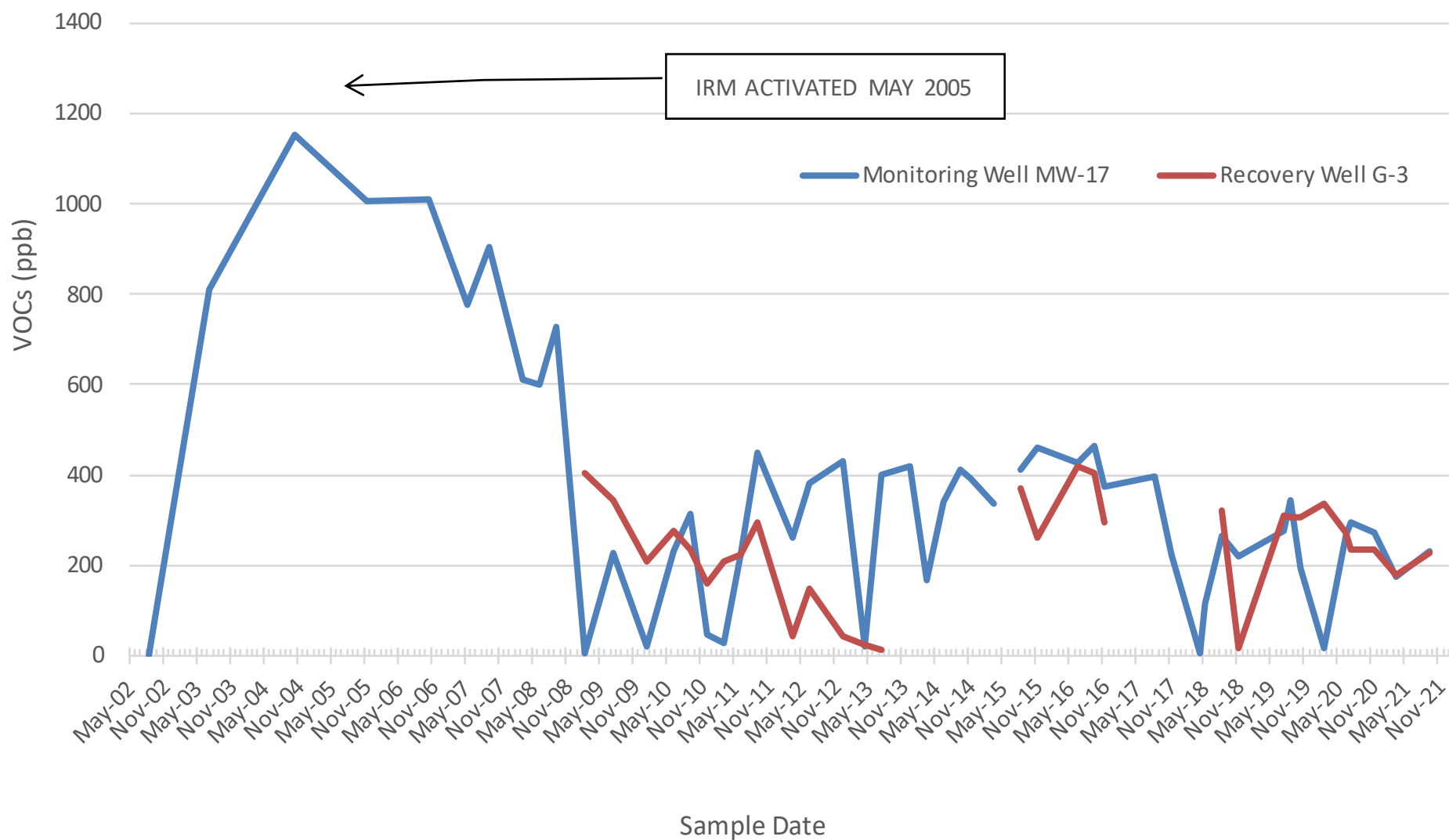


MW-7 and G-2





MW-17 and G-3





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APPENDICES



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APPENDIX A:
Laboratory Analytical Results Report -
September 2021 Sampling Event



ANALYTICAL REPORT

Lab Number:	L2150571
Client:	Bergmann Associates 280 E Broad Street Rochester, NY 14604
ATTN:	Ariadna Cheremeteff
Phone:	(585) 498-7950
Project Name:	GOWANDA DAY HABITLITATION Q320
Project Number:	14263.07
Report Date:	09/24/21

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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: GOWANDA DAY HABITLITATION Q320

Project Number: 14263.07

Lab Number: L2150571

Report Date: 09/24/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2150571-01	MW-1	WATER	GOWANDA, NY	09/17/21 07:10	09/17/21
L2150571-02	MW-2	WATER	GOWANDA, NY	09/17/21 06:55	09/17/21
L2150571-03	MW-3	WATER	GOWANDA, NY	09/17/21 06:31	09/17/21
L2150571-04	MW-4	WATER	GOWANDA, NY	09/17/21 08:55	09/17/21
L2150571-05	MW-5	WATER	GOWANDA, NY	09/17/21 09:24	09/17/21
L2150571-06	MW-6	WATER	GOWANDA, NY	09/17/21 10:48	09/17/21
L2150571-07	MW-7	WATER	GOWANDA, NY	09/17/21 11:02	09/17/21
L2150571-08	MW-8	WATER	GOWANDA, NY	09/17/21 08:07	09/17/21
L2150571-09	MW-9	WATER	GOWANDA, NY	09/17/21 08:30	09/17/21
L2150571-10	MW-10	WATER	GOWANDA, NY	09/17/21 07:35	09/17/21
L2150571-11	MW-11	WATER	GOWANDA, NY	09/16/21 14:05	09/17/21
L2150571-12	MW-12	WATER	GOWANDA, NY	09/16/21 13:23	09/17/21
L2150571-13	MW-13	WATER	GOWANDA, NY	09/16/21 13:25	09/17/21
L2150571-14	MW-14	WATER	GOWANDA, NY	09/16/21 12:40	09/17/21
L2150571-15	MW-15	WATER	GOWANDA, NY	09/16/21 11:58	09/17/21
L2150571-16	MW-16	WATER	GOWANDA, NY	09/17/21 11:20	09/17/21
L2150571-17	MW-17	WATER	GOWANDA, NY	09/17/21 10:30	09/17/21
L2150571-18	MW-18	WATER	GOWANDA, NY	09/17/21 11:45	09/17/21
L2150571-19	MW-19R	WATER	GOWANDA, NY	09/17/21 12:38	09/17/21
L2150571-20	MW-20	WATER	GOWANDA, NY	09/17/21 09:13	09/17/21
L2150571-21	MW-21	WATER	GOWANDA, NY	09/17/21 12:01	09/17/21
L2150571-22	DR-1	WATER	GOWANDA, NY	09/16/21 13:59	09/17/21
L2150571-23	DR-2	WATER	GOWANDA, NY	09/16/21 13:03	09/17/21
L2150571-24	DR-3	WATER	GOWANDA, NY	09/16/21 14:34	09/17/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2150571-25	DR-4	WATER	GOWANDA, NY	09/16/21 12:28	09/17/21
L2150571-26	G-1	WATER	GOWANDA, NY	09/16/21 11:44	09/17/21
L2150571-27	G-2	WATER	GOWANDA, NY	09/16/21 11:20	09/17/21
L2150571-28	G-3	WATER	GOWANDA, NY	09/17/21 10:06	09/17/21
L2150571-29	EQUIPMENT BLANK	WATER	GOWANDA, NY	09/17/21 12:45	09/17/21
L2150571-30	MW-X	WATER	GOWANDA, NY	09/17/21 00:00	09/17/21
L2150571-31	TRIP BLANK	WATER	GOWANDA, NY	09/17/21 00:00	09/17/21

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

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: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

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.

Volatile Organics

L2150571-06, -07, and -08: The pH of the sample was greater than two; however, the sample was analyzed within the method required holding time.

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:

Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative

Date: 09/24/21

ORGANICS

VOLATILES

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-01 D
Client ID: MW-1
Sample Location: GOWANDA, NY

Date Collected: 09/17/21 07:10
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/22/21 16:55
Analyst: AJK

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
1,3-Dichloropropene, Total	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	0.72	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	3.9	J	ug/l	6.2	1.8	2.5
Trichloroethene	300		ug/l	1.2	0.44	2.5

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-01 D
Client ID: MW-1
Sample Location: GOWANDA, NY

Date Collected: 09/17/21 07:10
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5
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
Xylenes, Total	ND		ug/l	6.2	1.8	2.5
cis-1,2-Dichloroethene	100		ug/l	6.2	1.8	2.5
1,2-Dichloroethene, Total	100	J	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
n-Butylbenzene	ND		ug/l	6.2	1.8	2.5
sec-Butylbenzene	ND		ug/l	6.2	1.8	2.5
tert-Butylbenzene	ND		ug/l	6.2	1.8	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
p-Isopropyltoluene	ND		ug/l	6.2	1.8	2.5
Naphthalene	ND		ug/l	6.2	1.8	2.5
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	6.2	1.8	2.5
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-01 D
 Client ID: MW-1
 Sample Location: GOWANDA, NY

Date Collected: 09/17/21 07:10
 Date Received: 09/17/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	104		70-130

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-02
Client ID: MW-2
Sample Location: GOWANDA, NY

Date Collected: 09/17/21 06:55
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/22/21 17:19
Analyst: AJK

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
1,3-Dichloropropene, Total	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

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-02
Client ID: MW-2
Sample Location: GOWANDA, NY

Date Collected: 09/17/21 06:55
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	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	2.6	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
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-02
Client ID: MW-2
Sample Location: GOWANDA, NY

Date Collected: 09/17/21 06:55
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	108		70-130

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-03
Client ID: MW-3
Sample Location: GOWANDA, NY

Date Collected: 09/17/21 06:31
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/22/21 19:56
Analyst: MKS

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
1,3-Dichloropropene, Total	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

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-03
Client ID: MW-3
Sample Location: GOWANDA, NY

Date Collected: 09/17/21 06:31
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	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
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-03
Client ID: MW-3
Sample Location: GOWANDA, NY

Date Collected: 09/17/21 06:31
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	92		70-130

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-04
Client ID: MW-4
Sample Location: GOWANDA, NY

Date Collected: 09/17/21 08:55
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/22/21 20:18
Analyst: MKS

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
1,3-Dichloropropene, Total	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

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-04
Client ID: MW-4
Sample Location: GOWANDA, NY

Date Collected: 09/17/21 08:55
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	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
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-04
Client ID: MW-4
Sample Location: GOWANDA, NY

Date Collected: 09/17/21 08:55
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	98		70-130

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-05
Client ID: MW-5
Sample Location: GOWANDA, NY

Date Collected: 09/17/21 09:24
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/22/21 20:39
Analyst: MKS

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	0.19	J	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
1,3-Dichloropropene, Total	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	1.5		ug/l	0.50	0.18	1

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-05
Client ID: MW-5
Sample Location: GOWANDA, NY

Date Collected: 09/17/21 09:24
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	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
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITLITATION Q320**Lab Number:** L2150571**Project Number:** 14263.07**Report Date:** 09/24/21**SAMPLE RESULTS**

Lab ID: L2150571-05

Date Collected: 09/17/21 09:24

Client ID: MW-5

Date Received: 09/17/21

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						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	98		70-130

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-06
Client ID: MW-6
Sample Location: GOWANDA, NY

Date Collected: 09/17/21 10:48
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/22/21 21:01
Analyst: MKS

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
1,3-Dichloropropene, Total	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	38		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

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-06
Client ID: MW-6
Sample Location: GOWANDA, NY

Date Collected: 09/17/21 10:48
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	57		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	57		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	1.6	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
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-06
Client ID: MW-6
Sample Location: GOWANDA, NY

Date Collected: 09/17/21 10:48
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	97		70-130

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-07
Client ID: MW-7
Sample Location: GOWANDA, NY

Date Collected: 09/17/21 11:02
Date Received: 09/17/21
Field Prep: Not Specified

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

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
1,3-Dichloropropene, Total	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	1.4		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.22	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.97		ug/l	0.50	0.18	1

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-07
Client ID: MW-7
Sample Location: GOWANDA, NY

Date Collected: 09/17/21 11:02
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	100		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	100		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
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-07
Client ID: MW-7
Sample Location: GOWANDA, NY

Date Collected: 09/17/21 11:02
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	97		70-130

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-08
Client ID: MW-8
Sample Location: GOWANDA, NY

Date Collected: 09/17/21 08:07
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/22/21 21:44
Analyst: MKS

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
1,3-Dichloropropene, Total	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

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-08
Client ID: MW-8
Sample Location: GOWANDA, NY

Date Collected: 09/17/21 08:07
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	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
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-08
Client ID: MW-8
Sample Location: GOWANDA, NY

Date Collected: 09/17/21 08:07
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	93		70-130

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-09
Client ID: MW-9
Sample Location: GOWANDA, NY

Date Collected: 09/17/21 08:30
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/22/21 22:05
Analyst: MKS

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
1,3-Dichloropropene, Total	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

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-09
Client ID: MW-9
Sample Location: GOWANDA, NY

Date Collected: 09/17/21 08:30
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	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	1.4	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
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-09
Client ID: MW-9
Sample Location: GOWANDA, NY

Date Collected: 09/17/21 08:30
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

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

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-10
Client ID: MW-10
Sample Location: GOWANDA, NY

Date Collected: 09/17/21 07:35
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/22/21 22:26
Analyst: MKS

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
1,3-Dichloropropene, Total	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

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-10
Client ID: MW-10
Sample Location: GOWANDA, NY

Date Collected: 09/17/21 07:35
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	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
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-10
Client ID: MW-10
Sample Location: GOWANDA, NY

Date Collected: 09/17/21 07:35
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	98		70-130

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-11 **D**
Client ID: MW-11
Sample Location: GOWANDA, NY

Date Collected: 09/16/21 14:05
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/23/21 01:37
Analyst: MKS

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
1,3-Dichloropropene, Total	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	9.2		ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	0.52	J	ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	3.7	J	ug/l	5.0	1.4	2
Trichloroethene	94		ug/l	1.0	0.35	2

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-11 **D**
Client ID: MW-11
Sample Location: GOWANDA, NY

Date Collected: 09/16/21 14:05
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2
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
Xylenes, Total	ND		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	280		ug/l	5.0	1.4	2
1,2-Dichloroethene, Total	280	J	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
n-Butylbenzene	ND		ug/l	5.0	1.4	2
sec-Butylbenzene	ND		ug/l	5.0	1.4	2
tert-Butylbenzene	ND		ug/l	5.0	1.4	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Isopropylbenzene	ND		ug/l	5.0	1.4	2
p-Isopropyltoluene	ND		ug/l	5.0	1.4	2
Naphthalene	ND		ug/l	5.0	1.4	2
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-11 D
Client ID: MW-11
Sample Location: GOWANDA, NY

Date Collected: 09/16/21 14:05
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	93		70-130

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-12
Client ID: MW-12
Sample Location: GOWANDA, NY

Date Collected: 09/16/21 13:23
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/22/21 22:48
Analyst: MKS

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
1,3-Dichloropropene, Total	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	0.76	J	ug/l	2.5	0.70	1
Trichloroethene	18		ug/l	0.50	0.18	1

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-12
Client ID: MW-12
Sample Location: GOWANDA, NY

Date Collected: 09/16/21 13:23
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	47		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	48	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
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-12
Client ID: MW-12
Sample Location: GOWANDA, NY

Date Collected: 09/16/21 13:23
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	97		70-130

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-13
Client ID: MW-13
Sample Location: GOWANDA, NY

Date Collected: 09/16/21 13:25
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/22/21 23:09
Analyst: MKS

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
1,3-Dichloropropene, Total	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	0.95		ug/l	0.50	0.18	1

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-13
Client ID: MW-13
Sample Location: GOWANDA, NY

Date Collected: 09/16/21 13:25
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	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
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-13
Client ID: MW-13
Sample Location: GOWANDA, NY

Date Collected: 09/16/21 13:25
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	96		70-130

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-14
Client ID: MW-14
Sample Location: GOWANDA, NY

Date Collected: 09/16/21 12:40
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/22/21 23:30
Analyst: MKS

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
1,3-Dichloropropene, Total	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	2.0		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	9.4		ug/l	0.50	0.18	1

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-14
Client ID: MW-14
Sample Location: GOWANDA, NY

Date Collected: 09/16/21 12:40
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	73		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	73		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
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-14
Client ID: MW-14
Sample Location: GOWANDA, NY

Date Collected: 09/16/21 12:40
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	98		70-130

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-15
Client ID: MW-15
Sample Location: GOWANDA, NY

Date Collected: 09/16/21 11:58
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/22/21 23:51
Analyst: MKS

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
1,3-Dichloropropene, Total	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	16		ug/l	0.50	0.18	1

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-15
Client ID: MW-15
Sample Location: GOWANDA, NY

Date Collected: 09/16/21 11:58
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	8.8		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	8.8		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
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-15
Client ID: MW-15
Sample Location: GOWANDA, NY

Date Collected: 09/16/21 11:58
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

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

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-16
Client ID: MW-16
Sample Location: GOWANDA, NY

Date Collected: 09/17/21 11:20
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/23/21 00:13
Analyst: MKS

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
1,3-Dichloropropene, Total	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	0.30	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	0.26	J	ug/l	0.50	0.18	1

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-16
Client ID: MW-16
Sample Location: GOWANDA, NY

Date Collected: 09/17/21 11:20
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	22		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	22		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
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-16
Client ID: MW-16
Sample Location: GOWANDA, NY

Date Collected: 09/17/21 11:20
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	97		70-130

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-17 **D**
Client ID: MW-17
Sample Location: GOWANDA, NY

Date Collected: 09/17/21 10:30
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/23/21 01:58
Analyst: MKS

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
1,3-Dichloropropene, Total	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	0.86	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	20		ug/l	1.0	0.35	2

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-17 **D**
Client ID: MW-17
Sample Location: GOWANDA, NY

Date Collected: 09/17/21 10:30
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2
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
Xylenes, Total	ND		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	210		ug/l	5.0	1.4	2
1,2-Dichloroethene, Total	210		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
n-Butylbenzene	ND		ug/l	5.0	1.4	2
sec-Butylbenzene	ND		ug/l	5.0	1.4	2
tert-Butylbenzene	ND		ug/l	5.0	1.4	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Isopropylbenzene	ND		ug/l	5.0	1.4	2
p-Isopropyltoluene	ND		ug/l	5.0	1.4	2
Naphthalene	ND		ug/l	5.0	1.4	2
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-17 D
Client ID: MW-17
Sample Location: GOWANDA, NY

Date Collected: 09/17/21 10:30
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

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

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-18
Client ID: MW-18
Sample Location: GOWANDA, NY

Date Collected: 09/17/21 11:45
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/23/21 00:34
Analyst: MKS

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
1,3-Dichloropropene, Total	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	0.16	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	0.77		ug/l	0.50	0.18	1

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-18
Client ID: MW-18
Sample Location: GOWANDA, NY

Date Collected: 09/17/21 11:45
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	5.4		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	5.4		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
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-18
Client ID: MW-18
Sample Location: GOWANDA, NY

Date Collected: 09/17/21 11:45
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

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

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-19
Client ID: MW-19R
Sample Location: GOWANDA, NY

Date Collected: 09/17/21 12:38
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/23/21 00:55
Analyst: MKS

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	0.43	J	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
1,3-Dichloropropene, Total	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	0.34	J	ug/l	0.50	0.18	1

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-19
Client ID: MW-19R
Sample Location: GOWANDA, NY

Date Collected: 09/17/21 12:38
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	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
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITLITATION Q320**Lab Number:** L2150571**Project Number:** 14263.07**Report Date:** 09/24/21**SAMPLE RESULTS**

Lab ID: L2150571-19

Date Collected: 09/17/21 12:38

Client ID: MW-19R

Date Received: 09/17/21

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						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	97		70-130

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-20
Client ID: MW-20
Sample Location: GOWANDA, NY

Date Collected: 09/17/21 09:13
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/23/21 01:16
Analyst: MKS

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
1,3-Dichloropropene, Total	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	0.35	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	ND		ug/l	0.50	0.18	1

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-20
Client ID: MW-20
Sample Location: GOWANDA, NY

Date Collected: 09/17/21 09:13
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	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
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-20
Client ID: MW-20
Sample Location: GOWANDA, NY

Date Collected: 09/17/21 09:13
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	93		70-130

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-21
Client ID: MW-21
Sample Location: GOWANDA, NY

Date Collected: 09/17/21 12:01
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/22/21 23:54
Analyst: NLK

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
1,3-Dichloropropene, Total	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	0.43	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	0.83	J	ug/l	2.5	0.70	1
Trichloroethene	1.9		ug/l	0.50	0.18	1

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-21
Client ID: MW-21
Sample Location: GOWANDA, NY

Date Collected: 09/17/21 12:01
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	16		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	17	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	1.8	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
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-21
Client ID: MW-21
Sample Location: GOWANDA, NY

Date Collected: 09/17/21 12:01
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	106		70-130

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-22
Client ID: DR-1
Sample Location: GOWANDA, NY

Date Collected: 09/16/21 13:59
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/23/21 00:17
Analyst: NLK

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
1,3-Dichloropropene, Total	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	0.16	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	0.89	J	ug/l	2.5	0.70	1
Trichloroethene	78		ug/l	0.50	0.18	1

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-22
Client ID: DR-1
Sample Location: GOWANDA, NY

Date Collected: 09/16/21 13:59
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	19		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	20	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
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-22
Client ID: DR-1
Sample Location: GOWANDA, NY

Date Collected: 09/16/21 13:59
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	105		70-130

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-23
Client ID: DR-2
Sample Location: GOWANDA, NY

Date Collected: 09/16/21 13:03
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/23/21 00:40
Analyst: NLK

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
1,3-Dichloropropene, Total	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	2.2		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.36	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	1.2	J	ug/l	2.5	0.70	1
Trichloroethene	29		ug/l	0.50	0.18	1

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-23
Client ID: DR-2
Sample Location: GOWANDA, NY

Date Collected: 09/16/21 13:03
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	130		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	130	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
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-23
Client ID: DR-2
Sample Location: GOWANDA, NY

Date Collected: 09/16/21 13:03
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	106		70-130

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-24
Client ID: DR-3
Sample Location: GOWANDA, NY

Date Collected: 09/16/21 14:34
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/23/21 01:04
Analyst: NLK

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
1,3-Dichloropropene, Total	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	2.5		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	0.76	J	ug/l	2.5	0.70	1
Trichloroethene	22		ug/l	0.50	0.18	1

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-24
Client ID: DR-3
Sample Location: GOWANDA, NY

Date Collected: 09/16/21 14:34
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	60		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	61	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	2.1	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
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-24
Client ID: DR-3
Sample Location: GOWANDA, NY

Date Collected: 09/16/21 14:34
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	106		70-130

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-25
Client ID: DR-4
Sample Location: GOWANDA, NY

Date Collected: 09/16/21 12:28
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/23/21 01:27
Analyst: NLK

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
1,3-Dichloropropene, Total	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	25		ug/l	0.50	0.18	1

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-25
Client ID: DR-4
Sample Location: GOWANDA, NY

Date Collected: 09/16/21 12:28
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	9.1		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	9.1		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
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-25
Client ID: DR-4
Sample Location: GOWANDA, NY

Date Collected: 09/16/21 12:28
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	107		70-130

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-26
Client ID: G-1
Sample Location: GOWANDA, NY

Date Collected: 09/16/21 11:44
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/23/21 02:59
Analyst: NLK

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
1,3-Dichloropropene, Total	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	0.73	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	4.1		ug/l	0.50	0.18	1

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-26
Client ID: G-1
Sample Location: GOWANDA, NY

Date Collected: 09/16/21 11:44
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	47		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	47		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
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-26
Client ID: G-1
Sample Location: GOWANDA, NY

Date Collected: 09/16/21 11:44
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	107		70-130

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-27
Client ID: G-2
Sample Location: GOWANDA, NY

Date Collected: 09/16/21 11:20
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/23/21 01:50
Analyst: NLK

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
1,3-Dichloropropene, Total	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	0.68	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	0.72		ug/l	0.50	0.18	1

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-27
Client ID: G-2
Sample Location: GOWANDA, NY

Date Collected: 09/16/21 11:20
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	44		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	44		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
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-27
Client ID: G-2
Sample Location: GOWANDA, NY

Date Collected: 09/16/21 11:20
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	105		70-130

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-28
Client ID: G-3
Sample Location: GOWANDA, NY

Date Collected: 09/17/21 10:06
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/23/21 02:13
Analyst: NLK

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
1,3-Dichloropropene, Total	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	0.69	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.34	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	1.4	J	ug/l	2.5	0.70	1
Trichloroethene	24		ug/l	0.50	0.18	1

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-28
Client ID: G-3
Sample Location: GOWANDA, NY

Date Collected: 09/17/21 10:06
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	200		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	200	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
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-28
Client ID: G-3
Sample Location: GOWANDA, NY

Date Collected: 09/17/21 10:06
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	107		70-130

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-29
Client ID: EQUIPMENT BLANK
Sample Location: GOWANDA, NY

Date Collected: 09/17/21 12:45
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/22/21 20:25
Analyst: NLK

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
1,3-Dichloropropene, Total	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

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-29
Client ID: EQUIPMENT BLANK
Sample Location: GOWANDA, NY

Date Collected: 09/17/21 12:45
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	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	2.8	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
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-29
Client ID: EQUIPMENT BLANK
Sample Location: GOWANDA, NY

Date Collected: 09/17/21 12:45
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	105		70-130

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-30
Client ID: MW-X
Sample Location: GOWANDA, NY

Date Collected: 09/17/21 00:00
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/23/21 02:36
Analyst: NLK

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
1,3-Dichloropropene, Total	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

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-30
Client ID: MW-X
Sample Location: GOWANDA, NY

Date Collected: 09/17/21 00:00
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	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	2.7	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
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-30
Client ID: MW-X
Sample Location: GOWANDA, NY

Date Collected: 09/17/21 00:00
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	106		70-130

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-31
Client ID: TRIP BLANK
Sample Location: GOWANDA, NY

Date Collected: 09/17/21 00:00
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/22/21 20:01
Analyst: NLK

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
1,3-Dichloropropene, Total	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

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-31
Client ID: TRIP BLANK
Sample Location: GOWANDA, NY

Date Collected: 09/17/21 00:00
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	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
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

SAMPLE RESULTS

Lab ID: L2150571-31
Client ID: TRIP BLANK
Sample Location: GOWANDA, NY

Date Collected: 09/17/21 00:00
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	106		70-130

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/21 09:29
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1549672-5					
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
1,3-Dichloropropene, Total	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

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/21 09:29
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1549672-5					
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
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
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	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
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/22/21 09:29
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1549672-5					
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

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	106		70-130

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/22/21 18:51
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-20 Batch: WG1549904-5					
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
1,3-Dichloropropene, Total	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

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/21 18:51
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-20 Batch: WG1549904-5					
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
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
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	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
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/22/21 18:51
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-20 Batch: WG1549904-5					
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

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	97		70-130

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/22/21 19:15
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 21-31 Batch: WG1549959-5					
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
1,3-Dichloropropene, Total	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

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/22/21 19:15
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 21-31 Batch: WG1549959-5					
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
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
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	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
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70

Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
Report Date: 09/24/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/22/21 19:15
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 21-31 Batch: WG1549959-5					
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

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	106		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: GOWANDA DAY HABITLITATION Q320

Lab Number: L2150571

Project Number: 14263.07

Report Date: 09/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1549672-3 WG1549672-4								
Methylene chloride	88		90		70-130	2		20
1,1-Dichloroethane	95		99		70-130	4		20
Chloroform	88		90		70-130	2		20
Carbon tetrachloride	83		87		63-132	5		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	95		99		63-130	4		20
1,1,2-Trichloroethane	98		100		70-130	2		20
Tetrachloroethene	94		96		70-130	2		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	68		71		62-150	4		20
1,2-Dichloroethane	92		96		70-130	4		20
1,1,1-Trichloroethane	85		87		67-130	2		20
Bromodichloromethane	90		91		67-130	1		20
trans-1,3-Dichloropropene	90		93		70-130	3		20
cis-1,3-Dichloropropene	88		91		70-130	3		20
Bromoform	94		100		54-136	6		20
1,1,2,2-Tetrachloroethane	97		110		67-130	13		20
Benzene	90		92		70-130	2		20
Toluene	96		96		70-130	0		20
Ethylbenzene	91		91		70-130	0		20
Chloromethane	98		100		64-130	2		20
Bromomethane	52		61		39-139	16		20
Vinyl chloride	79		82		55-140	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GOWANDA DAY HABITLITATION Q320

Project Number: 14263.07

Lab Number: L2150571

Report Date: 09/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1549672-3 WG1549672-4								
Chloroethane	60		68		55-138	13		20
1,1-Dichloroethene	86		88		61-145	2		20
trans-1,2-Dichloroethene	90		93		70-130	3		20
Trichloroethene	80		86		70-130	7		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	88		96		63-130	9		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	92		96		70-130	4		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	74		76		36-147	3		20
Acetone	130		140		58-148	7		20
Carbon disulfide	82		85		51-130	4		20
2-Butanone	120		120		63-138	0		20
4-Methyl-2-pentanone	100		120		59-130	18		20
2-Hexanone	100		120		57-130	18		20
Bromochloromethane	100		100		70-130	0		20
1,2-Dibromoethane	96		100		70-130	4		20
n-Butylbenzene	94		92		53-136	2		20
sec-Butylbenzene	98		95		70-130	3		20
tert-Butylbenzene	96		95		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GOWANDA DAY HABITLITATION Q320

Lab Number: L2150571

Project Number: 14263.07

Report Date: 09/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1549672-3 WG1549672-4								
1,2-Dibromo-3-chloropropane	95		110		41-144	15		20
Isopropylbenzene	99		98		70-130	1		20
p-Isopropyltoluene	99		96		70-130	3		20
Naphthalene	100		120		70-130	18		20
n-Propylbenzene	95		93		69-130	2		20
1,2,3-Trichlorobenzene	110		110		70-130	0		20
1,2,4-Trichlorobenzene	110		110		70-130	0		20
1,3,5-Trimethylbenzene	100		99		64-130	1		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20
Methyl Acetate	100		110		70-130	10		20
Cyclohexane	100		99		70-130	1		20
1,4-Dioxane	96		102		56-162	6		20
Freon-113	83		85		70-130	2		20
Methyl cyclohexane	86		84		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		101		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	99		99		70-130
Dibromofluoromethane	93		94		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: GOWANDA DAY HABITLITATION Q320

Lab Number: L2150571

Project Number: 14263.07

Report Date: 09/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-20 Batch: WG1549904-3 WG1549904-4								
Methylene chloride	99		99		70-130	0		20
1,1-Dichloroethane	110		100		70-130	10		20
Chloroform	96		95		70-130	1		20
Carbon tetrachloride	85		82		63-132	4		20
1,2-Dichloropropane	100		110		70-130	10		20
Dibromochloromethane	78		78		63-130	0		20
1,1,2-Trichloroethane	98		94		70-130	4		20
Tetrachloroethene	97		93		70-130	4		20
Chlorobenzene	96		96		75-130	0		20
Trichlorofluoromethane	95		98		62-150	3		20
1,2-Dichloroethane	95		98		70-130	3		20
1,1,1-Trichloroethane	92		90		67-130	2		20
Bromodichloromethane	86		88		67-130	2		20
trans-1,3-Dichloropropene	86		89		70-130	3		20
cis-1,3-Dichloropropene	91		92		70-130	1		20
Bromoform	70		71		54-136	1		20
1,1,2,2-Tetrachloroethane	100		100		67-130	0		20
Benzene	100		100		70-130	0		20
Toluene	98		97		70-130	1		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	110		110		64-130	0		20
Bromomethane	90		88		39-139	2		20
Vinyl chloride	130		120		55-140	8		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GOWANDA DAY HABITLITATION Q320

Lab Number: L2150571

Project Number: 14263.07

Report Date: 09/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-20 Batch: WG1549904-3 WG1549904-4								
Chloroethane	120		120		55-138	0		20
1,1-Dichloroethene	97		99		61-145	2		20
trans-1,2-Dichloroethene	100		99		70-130	1		20
Trichloroethene	100		98		70-130	2		20
1,2-Dichlorobenzene	95		96		70-130	1		20
1,3-Dichlorobenzene	99		94		70-130	5		20
1,4-Dichlorobenzene	100		97		70-130	3		20
Methyl tert butyl ether	92		93		63-130	1		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	97		92		70-130	5		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	110		100		36-147	10		20
Acetone	160	Q	160	Q	58-148	0		20
Carbon disulfide	110		100		51-130	10		20
2-Butanone	120		130		63-138	8		20
4-Methyl-2-pentanone	97		100		59-130	3		20
2-Hexanone	100		110		57-130	10		20
Bromochloromethane	93		91		70-130	2		20
1,2-Dibromoethane	88		90		70-130	2		20
n-Butylbenzene	100		100		53-136	0		20
sec-Butylbenzene	100		100		70-130	0		20
tert-Butylbenzene	97		96		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GOWANDA DAY HABITLITATION Q320

Project Number: 14263.07

Lab Number: L2150571

Report Date: 09/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-20 Batch: WG1549904-3 WG1549904-4								
1,2-Dibromo-3-chloropropane	75		72		41-144	4		20
Isopropylbenzene	100		95		70-130	5		20
p-Isopropyltoluene	98		97		70-130	1		20
Naphthalene	87		88		70-130	1		20
n-Propylbenzene	110		100		69-130	10		20
1,2,3-Trichlorobenzene	92		95		70-130	3		20
1,2,4-Trichlorobenzene	91		92		70-130	1		20
1,3,5-Trimethylbenzene	99		97		64-130	2		20
1,2,4-Trimethylbenzene	98		96		70-130	2		20
Methyl Acetate	99		100		70-130	1		20
Cyclohexane	110		110		70-130	0		20
1,4-Dioxane	88		90		56-162	2		20
Freon-113	100		110		70-130	10		20
Methyl cyclohexane	100		100		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		101		70-130
Toluene-d8	102		100		70-130
4-Bromofluorobenzene	98		96		70-130
Dibromofluoromethane	96		96		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: GOWANDA DAY HABITLITATION Q320

Lab Number: L2150571

Project Number: 14263.07

Report Date: 09/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 21-31 Batch: WG1549959-3 WG1549959-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	110		110		70-130	0		20
Carbon tetrachloride	110		110		63-132	0		20
1,2-Dichloropropane	100		98		70-130	2		20
Dibromochloromethane	100		100		63-130	0		20
1,1,2-Trichloroethane	100		98		70-130	2		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	100		95		75-130	5		20
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	120		110		67-130	9		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	100		100		70-130	0		20
cis-1,3-Dichloropropene	100		99		70-130	1		20
Bromoform	100		100		54-136	0		20
1,1,2,2-Tetrachloroethane	100		100		67-130	0		20
Benzene	100		100		70-130	0		20
Toluene	94		92		70-130	2		20
Ethylbenzene	100		97		70-130	3		20
Chloromethane	99		97		64-130	2		20
Bromomethane	65		80		39-139	21	Q	20
Vinyl chloride	100		99		55-140	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GOWANDA DAY HABITLITATION Q320

Project Number: 14263.07

Lab Number: L2150571

Report Date: 09/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 21-31 Batch: WG1549959-3 WG1549959-4								
Chloroethane	110		100		55-138	10		20
1,1-Dichloroethene	100		100		61-145	0		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	100		98		70-130	2		20
1,3-Dichlorobenzene	99		98		70-130	1		20
1,4-Dichlorobenzene	98		98		70-130	0		20
Methyl tert butyl ether	99		98		63-130	1		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	100		99		36-147	1		20
Acetone	120		170	Q	58-148	34	Q	20
Carbon disulfide	95		95		51-130	0		20
2-Butanone	120		130		63-138	8		20
4-Methyl-2-pentanone	110		110		59-130	0		20
2-Hexanone	110		120		57-130	9		20
Bromochloromethane	120		110		70-130	9		20
1,2-Dibromoethane	110		110		70-130	0		20
n-Butylbenzene	100		100		53-136	0		20
sec-Butylbenzene	98		99		70-130	1		20
tert-Butylbenzene	100		100		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GOWANDA DAY HABITLITATION Q320

Lab Number: L2150571

Project Number: 14263.07

Report Date: 09/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 21-31 Batch: WG1549959-3 WG1549959-4								
1,2-Dibromo-3-chloropropane	110		120		41-144	9		20
Isopropylbenzene	100		99		70-130	1		20
p-Isopropyltoluene	100		100		70-130	0		20
Naphthalene	96		100		70-130	4		20
n-Propylbenzene	100		100		69-130	0		20
1,2,3-Trichlorobenzene	84		94		70-130	11		20
1,2,4-Trichlorobenzene	96		99		70-130	3		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	110		100		70-130	10		20
Methyl Acetate	110		110		70-130	0		20
Cyclohexane	100		100		70-130	0		20
1,4-Dioxane	188	Q	186	Q	56-162	1		20
Freon-113	100		100		70-130	0		20
Methyl cyclohexane	100		99		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	114		113		70-130
Toluene-d8	96		96		70-130
4-Bromofluorobenzene	101		101		70-130
Dibromofluoromethane	108		108		70-130

Project Name: GOWANDA DAY HABITLITATION Q320**Lab Number:** L2150571**Project Number:** 14263.07**Report Date:** 09/24/21**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(*)
L2150571-01A	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-01B	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-01C	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-02A	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-02B	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-02C	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-03A	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-03B	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-03C	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-04A	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-04B	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-04C	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-05A	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-05B	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-05C	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-06A	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-06B	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-06C	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-07A	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-07B	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-07C	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-08A	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-08B	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)

Project Name: GOWANDA DAY HABITLITATION Q320**Lab Number:** L2150571**Project Number:** 14263.07**Report Date:** 09/24/21**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2150571-08C	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-09A	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-09B	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-09C	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-10A	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-10B	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-10C	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-11A	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-11B	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-11C	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-12A	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-12B	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-12C	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-13A	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-13B	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-13C	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-14A	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-14B	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-14C	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-15A	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-15B	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-15C	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-16A	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-16B	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-16C	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-17A	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-17B	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-17C	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)

Project Name: GOWANDA DAY HABITLITATION Q320**Lab Number:** L2150571**Project Number:** 14263.07**Report Date:** 09/24/21**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2150571-18A	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-18B	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-18C	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-19A	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-19B	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-19C	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-20A	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-20B	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-20C	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-21A	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-21B	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-21C	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-22A	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-22B	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-22C	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-23A	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-23B	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-23C	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-24A	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-24B	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-24C	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-25A	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-25B	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-25C	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-26A	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-26B	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-26C	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-27A	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)

Project Name: GOWANDA DAY HABITLITATION Q320**Lab Number:** L2150571**Project Number:** 14263.07**Report Date:** 09/24/21**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2150571-27B	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-27C	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-28A	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-28B	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-28C	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-29A	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-29B	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-29C	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-30A	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-30B	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-30C	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-31A	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)
L2150571-31B	Vial HCl preserved	A	NA		4.7	Y	Absent		NYTCL-8260-R2(14)

Project Name: GOWANDA DAY HABITLITATION Q320**Lab Number:** L2150571**Project Number:** 14263.07**Report Date:** 09/24/21

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

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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.

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'.

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.

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.)

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 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.

Report Format: DU Report with 'J' Qualifiers



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Data Qualifiers

- 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.)

Report Format: DU Report with 'J' Qualifiers



Project Name: GOWANDA DAY HABITLITATION Q320
Project Number: 14263.07

Lab Number: L2150571
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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.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

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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, SM4500CI-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 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 3		Date Rec'd in Lab 9/18/21		ALPHA Job # L2150571	
		Project Information Project Name: GOWANDA DAY HABILITATION Q32021 Project Location: GOWANDA, NY Project # 14763.07 (Use Project name as Project #) <input type="checkbox"/>		Deliverables <input type="checkbox"/> ASP-A <input type="checkbox"/> ASP-B <input type="checkbox"/> EQUIS (1 File) <input checked="" type="checkbox"/> EQUIS (4 File) <input type="checkbox"/> Other		Billing Information <input type="checkbox"/> Same as Client Info PO #			
Client Information Client: Bergmann Address: 280 E Broad St #200 Rochester, NY 14604 Phone: 585-232-5135 Fax: Email: Acheremeteff@BERGMANN.com		Project Manager: ARIADNA CHEREMETEFF ALPHAQuote #: Turn-Around Time Standard <input checked="" type="checkbox"/> Due Date: Rush (only if pre approved) <input type="checkbox"/> # of Days:		Regulatory Requirement <input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other:			
These samples have been previously analyzed by Alpha <input type="checkbox"/>						ANALYSIS		Sample Filtration <input type="checkbox"/> Done <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do (Please Specify below)	
Other project specific requirements/comments: SEND ALSO TO JOBRIEN@BERGMANN PC.COM						NYTCL-8260		Total Bottles	
Please specify Metals or TAL.									
ALPHA Lab ID (Lab Use Only)		Sample ID		Collection Date Time		Sample Matrix		Sampler's Initials	
50571-01		MW-1		9/17/21 0710		GW		JW	
02		MW-2		9/17/21 0655		GW		JW	
03		MW-3		9/17/21 0631		GW		JW	
04		MW-4		9/17/21 0845		GW		JW	
05		MW-5		9/17/21 0921		GW		JW	
06		MW-6		9/17/21 1048		GW		JW	
07		MW-7		9/17/21 1102		GW		JW	
08		MW-8		9/17/21 0807		GW		JW	
09		MW-9		9/17/21 0830		GW		JW	
10		MW-10		9/17/21 0735		GW		JW	
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O 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: MA934 Mansfield: Certification No: MA015		Container Type G		Preservative HCL	
Relinquished By:		Date/Time		Received By:		Date/Time		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.)	
AAL Secure Storage		9/16/21 1506		AAL Secure Storage		9/17/21 1650			
AAL Secure Storage		9/17/21 1650		AAL Secure Storage		9/18/21 0050			

 NEW YORK CHAIN OF CUSTODY		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 3		Date Rec'd in Lab 9/20/21		ALPHA Job # L2150571	
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		Project Information Project Name: <u>GOWANDA DAY HABILITATION Q3 2021</u> Project Location: <u>GOWANDA, NY</u> Project # <u>14263.07</u> (Use Project name as Project #) <input type="checkbox"/>		Deliverables <input type="checkbox"/> ASP-A <input type="checkbox"/> ASP-B <input type="checkbox"/> EQUIS (1 File) <input checked="" type="checkbox"/> EQUIS (4 File) <input type="checkbox"/> Other		Billing Information <input type="checkbox"/> Same as Client Info PO #	
Client Information Client: <u>BERGMANN</u> Address: <u>280 E BROAD ST #200</u> <u>ROKER, NY 14604</u> Phone: <u>585-232-5135</u> Fax: Email: <u>ALHEREMATEFF@BERGMANNL.COM</u>		Project Manager: <u>ARIANA LHEREMATEFF</u> ALPHAQuote #: Turn-Around Time Standard <input checked="" type="checkbox"/> Due Date: Rush (only if pre approved) <input type="checkbox"/> # of Days:		Regulatory Requirement <input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other:			
These samples have been previously analyzed by Alpha <input type="checkbox"/>				ANALYSIS				Sample Filtration <input type="checkbox"/> Done <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do (Please Specify below)	
Other project specific requirements/comments: <u>SEND ALSO TO JUBRILEX@BERGMANNL.COM</u>				Please specify Metals or TAL.				Total Bottles	
ALPHA Lab ID (Lab Use Only)		Sample ID		Collection Date Time		Sample Matrix		Sampler's Initials	
50571-11		MW-11		9/16/21 1405		GW		Jho	
12		MW-12		9/16/21 1323		GW		Jho	
13		MW-13		9/16/21 1325		GW		Jho	
14		MW-14		9/16/21 1240		GW		Jho	
15		MW-15		9/16/21 1158		GW		Jho	
16		MW-16		9/17/21 1120		GW		Jho	
17		MW-17		9/17/21 1030		GW		Jho	
18		MW-18		9/17/21 1145		GW		Jho	
19		MW-19R		9/17/21 1238		GW		Jho	
20		MW-20		9/17/21 0913		GW		Jho	
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O 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 G		Preservative HCl	
Relinquished By:		Date/Time		Received By:		Date/Time		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.)	
<u>ALC Secure Storage</u>		9/17/21 1506		<u>ALC Secure Storage</u>		9/17/21 1506			
<u>ALC Secure Storage</u>		9/17/21 1650		<u>ALC Secure Storage</u>		9/17/21 1650			
<u>ALC Secure Storage</u>		9/17/21 1650		<u>ALC Secure Storage</u>		9/17/21 00:50			



BERGMANN
ARCHITECTS ENGINEERS PLANNERS

FIELD FORMS

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q3 2021
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 9/17/2021
Weather: 72 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 6.2
Depth to bottom of the well: 16.02
Length of water column in well: 9.82

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

Volume of water in well casing, gallons: 1.6007
3 Well volumes (= length water column X gal/foot X 3): 4.80
Actual volume purged prior to sampling: 5
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer
Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
Turbidity	899	NTU								
Temperature	16	°C								
pH	7.22									
Conductivity	0.534	SPC ms/cm								
Oxygen	3.75	DO mg/L								
Salinity										

Time sample was collected: 7:10

COMMENTS

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q3 2021
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 9/17/2021
Weather: 72 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

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

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

Volume of water in well casing, gallons: 1.80
3 Well volumes (= length water column X gal/foot X 3): 5.40
Actual volume purged prior to sampling: 5.5
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer
Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
Turbidity	551	NTU								
Temperature	15.1	°C								
pH	7.18									
Conductivity	0.468	SPC ms/cm								
Oxygen	3.69	DO mg/L								
Salinity										

Time sample was collected: 6:55

COMMENTS

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q3 2021
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 9/17/2021
Weather: 72 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 6.4
Depth to bottom of the well: 16.30
Length of water column in well: 9.90

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

Volume of water in well casing, gallons: 1.6
3 Well volumes (= length water column X gal/foot X 3): 4.8
Actual volume purged prior to sampling: 5
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
Turbidity	1400	NTU								
Temperature	20	°C								
pH	7.04									
Conductivity	0.308	SPC ms/cm								
Oxygen	4.78	DO mg/L								
Salinity										

Time sample was collected: 6:31

COMMENTS

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q3 2021
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 9/17/2021
Weather: 72 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 7.03
Depth to bottom of the well: 15.78
Length of water column in well: 8.75

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

Volume of water in well casing, gallons: 1.4263
3 Well volumes (= length water column X gal/foot X 3): 4.2788
Actual volume purged prior to sampling: 4.3
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer
Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
Turbidity	1374	NTU								
Temperature	20.7	°C								
pH	7.14									
Conductivity	0.58	SPC ms/cm								
Oxygen	3.26	DO mg/L								
Salinity										

Time sample was collected: 8:55

COMMENTS

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q3 2021
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 9/17/2021
Weather: 72 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 10.65
Depth to bottom of the well: 13.95
Length of water column in well: 3.3

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

Volume of water in well casing, gallons: 0.54
3 Well volumes (= length water column X gal/foot X 3): 1.61
Actual volume purged prior to sampling: 1.75
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
Turbidity	3446	NTU								
Temperature	19.6	°C								
pH	6.95									
Conductivity	0.491	SPC ms/cm								
Oxygen	3.65	DO mg/L								
Salinity										

Time sample was collected: 9:24

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

PROJECT NAME: Gowanda Q3 2021
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 9/17/2021
Weather: 72 Degrees F
Personnel: Justin L. O'Brien



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GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 13.5
Depth to bottom of the well: 22.88
Length of water column in well: 9.38

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

Volume of water in well casing, gallons: 1.53
3 Well volumes (= length water column X gal/foot X 3): 4.59
Actual volume purged prior to sampling: 4.75
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer
Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
Turbidity	2174	NTU								
Temperature	18.5	°C								
pH	7.2									
Conductivity	0.562	SPC ms/cm								
Oxygen	3.52	DO mg/L								
Salinity										

Time sample was collected: 10:48

COMMENTS

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q3 2021
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 9/17/2021
Weather: 72 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 13.5
Depth to bottom of the well: 21.8
Length of water column in well: 8.3

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

Volume of water in well casing, gallons: 1.4
3 Well volumes (= length water column X gal/foot X 3): 4.06
Actual volume purged prior to sampling: 4.25
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer
Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
Turbidity	3545	NTU								
Temperature	19.2	°C								
pH	7.18									
Conductivity	0.519	SPC ms/cm								
Oxygen	3.03	DO mg/L								
Salinity										

Time sample was collected: 11:02

COMMENTS

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q3 2021
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 9/17/2021
Weather: 72 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 9.9
Depth to bottom of the well: 17.65
Length of water column in well: 7.75

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

Volume of water in well casing, gallons: 1.26
3 Well volumes (= length water column X gal/foot X 3): 3.79
Actual volume purged prior to sampling: 4
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer
Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
Turbidity	3604	NTU								
Temperature	15.01	°C								
pH	6.04									
Conductivity	0.643	SPC ms/cm								
Oxygen	6.04	DO mg/L								
Salinity										

Time sample was collected: 8:07

COMMENTS

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q3 2021
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 9/17/2021
Weather: 72 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 9.8
Depth to bottom of the well: 20.96
Length of water column in well: 11.16

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

Volume of water in well casing, gallons: 1.82
3 Well volumes (= length water column X gal/foot X 3): 5.5
Actual volume purged prior to sampling: 5.5
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer
Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
Turbidity	2674.2	NTU								
Temperature	14.3	°C								
pH	7.08									
Conductivity	1.201	SPC ms/cm								
Oxygen	3.39	DO mg/L								
Salinity										

Time sample was collected: 8:30

COMMENTS

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q3 2021
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 9/17/2021
Weather: 72 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 7.3
Depth to bottom of the well: 19.44
Length of water column in well: 12.14

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

Volume of water in well casing, gallons: 2.0
3 Well volumes (= length water column X gal/foot X 3): 5.94
Actual volume purged prior to sampling: 6
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer
Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
Turbidity	3112	NTU								
Temperature	14.5	°C								
pH	7.36									
Conductivity	0.546	SPC ms/cm								
Oxygen	5.13	DO mg/L								
Salinity										

Time sample was collected: 7:35

COMMENTS

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q3 2021
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 9/16/2021
Weather: 66 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 6.5
Depth to bottom of the well: 15.48
Length of water column in well: 8.98

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

Volume of water in well casing, gallons: 1.4637
3 Well volumes (= length water column X gal/foot X 3): 4.3912
Actual volume purged prior to sampling: 4.5
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer
Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
Turbidity	2580	NTU								
Temperature	15.6	°C								
pH	7.17									
Conductivity	0.586	SPC ms/cm								
Oxygen	2.01	DO mg/L								
Salinity										

Time sample was collected: 14:05

COMMENTS

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q3 2021
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 9/16/2021
Weather: 66 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

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

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

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

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
Turbidity	543.7	NTU								
Temperature	16.8	°C								
pH	7.08									
Conductivity	0.507	SPC ms/cm								
Oxygen	4	DO mg/L								
Salinity										

Time sample was collected: 13:23

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

PROJECT NAME: Gowanda Q3 2021
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 9/16/2021
Weather: 66 Degrees F
Personnel: Justin L. O'Brien



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GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 6.85
Depth to bottom of the well: 17.40
Length of water column in well: 10.55

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

Volume of water in well casing, gallons: 1.7197
3 Well volumes (= length water column X gal/foot X 3): 5.159
Actual volume purged prior to sampling: 5.25
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer
Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
Turbidity	820.74	NTU								
Temperature	16.8	°C								
pH	6.97									
Conductivity	0.445	SPC ms/cm								
Oxygen	3.46	DO mg/L								
Salinity										

Time sample was collected: 13:25

COMMENTS

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q3 2021
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 9/16/2021
Weather: 66 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 10.35
Depth to bottom of the well: 18.15
Length of water column in well: 7.80

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

Volume of water in well casing, gallons: 1.27
3 Well volumes (= length water column X gal/foot X 3): 3.81
Actual volume purged prior to sampling: 4
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer
Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
Turbidity	3142.90	NTU								
Temperature	15.7	°C								
pH	7.13									
Conductivity	0.542	SPC ms/cm								
Oxygen	3.46	DO mg/L								
Salinity										

Time sample was collected: 12:40

COMMENTS

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q3 2021
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 9/16/2021
Weather: 66 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 10.3
Depth to bottom of the well: 19.80
Length of water column in well: 9.50

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

Volume of water in well casing, gallons: 1.5485
3 Well volumes (= length water column X gal/foot X 3): 4.65
Actual volume purged prior to sampling: 4.75
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged?
Required Analysis:

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
Turbidity	2824.7	NTU								
Temperature	15.5	°C								
pH	6.95									
Conductivity	0.538	SPC ms/cm								
Oxygen	4.02	DO mg/L								
Salinity										

Time sample was collected: 11:58

COMMENTS

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q3 2021
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 9/17/2021
Weather: 72 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 13.12
Depth to bottom of the well: 23.26
Length of water column in well: 10.14

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

Volume of water in well casing, gallons: 1.6528
3 Well volumes (= length water column X gal/foot X 3): 4.9585
Actual volume purged prior to sampling: 5
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer
Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
Turbidity	2034	NTU								
Temperature	18.2	°C								
pH	7.34									
Conductivity	0.657	SPC ms/cm								
Oxygen	3.72	DO mg/L								
Salinity										

Time sample was collected: 11:20

COMMENTS

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q3 2021
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 9/17/2021
Weather: 72 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 13.25
Depth to bottom of the well: 25.18
Length of water column in well: 11.93

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

Volume of water in well casing, gallons: 1.9446
3 Well volumes (= length water column X gal/foot X 3): 5.8338
Actual volume purged prior to sampling: 6
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer
Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
Turbidity	3425	NTU								
Temperature	18.5	°C								
pH	7.19									
Conductivity	0.539	SPC ms/cm								
Oxygen	2.05	DO mg/L								
Salinity										

Time sample was collected: 10:30

COMMENTS

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q3 2021
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 9/17/2021
Weather: 72 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 9.15
Depth to bottom of the well: 25.0
Length of water column in well: 15.9

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

Volume of water in well casing, gallons: 2.5836
3 Well volumes (= length water column X gal/foot X 3): 7.75
Actual volume purged prior to sampling: 7.75
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged?
Required Analysis:

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
Turbidity	760	NTU								
Temperature	17.9	°C								
pH	7.71									
Conductivity	0.632	SPC ms/cm								
Oxygen	9.33	DO mg/L								
Salinity										

Time sample was collected: 11:45

COMMENTS

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q3 2021
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 9/17/2021
Weather: 72 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 7.9
Depth to bottom of the well: 17.67
Length of water column in well: 9.77

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

Volume of water in well casing, gallons: 1.6
3 Well volumes (= length water column X gal/foot X 3): 4.8
Actual volume purged prior to sampling: 5
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer
Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
Turbidity	1504	NTU								
Temperature	19.2	°C								
pH	7.5									
Conductivity	0.61	SPC ms/cm								
Oxygen	6.4	DO mg/L								
Salinity										

Time sample was collected: 12:38

COMMENTS

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q3 2021
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 9/17/2021
Weather: 72 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 9.65
Depth to bottom of the well: 14.75
Length of water column in well: 5.1

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

Volume of water in well casing, gallons: 0.8313
3 Well volumes (= length water column X gal/foot X 3): 2.4939
Actual volume purged prior to sampling: 2.5
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer
Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
Turbidity	2372	NTU								
Temperature	18.8	°C								
pH	7.05									
Conductivity	0.884	SPC ms/cm								
Oxygen	3.59	DO mg/L								
Salinity										

Time sample was collected: 9:13

COMMENTS

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q3 2021
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 9/17/2021
Weather: 72 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 9.2
Depth to bottom of the well: 15.82
Length of water column in well: 6.62

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

Volume of water in well casing, gallons: 1.0791
3 Well volumes (= length water column X gal/foot X 3): 3.24
Actual volume purged prior to sampling: 3.25
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer
Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
Turbidity	843	NTU								
Temperature	18.3	°C								
pH	7.2									
Conductivity	0.523	SPC ms/cm								
Oxygen	5.26	DO mg/L								
Salinity										

Time sample was collected: 12:01

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

PROJECT NAME: Gowanda Q3 2021
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 9/16/2021
Weather: 66 Degrees F
Personnel: Justin L. O'Brien



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GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 7.7
Depth to bottom of the well: 18.06
Length of water column in well: 10.36

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

Volume of water in well casing, gallons: 6.7651
3 Well volumes (= length water column X gal/foot X 3): 20.295
Actual volume purged prior to sampling: 20.3
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer
Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
Turbidity	657.72	NTU								
Temperature	16.8	°C								
pH	7.11									
Conductivity	0.53	SPC ms/cm								
Oxygen	3.77	DO mg/L								
Salinity										

Time sample was collected: 13:59

COMMENTS

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q3 2021
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 9/16/2021
Weather: 66 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 7.3
Depth to bottom of the well: 18.06
Length of water column in well: 10.76

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

Volume of water in well casing, gallons: 7.0263
3 Well volumes (= length water column X gal/foot X 3): 21.1
Actual volume purged prior to sampling: 21.25
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer
Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
Turbidity	802.03	NTU								
Temperature	15.9	°C								
pH	7.18									
Conductivity	0.532	SPC ms/cm								
Oxygen	5.00	DO mg/L								
Salinity										

Time sample was collected: 13:03

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

PROJECT NAME: Gowanda Q3 2021
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 9/16/2021
Weather: 66 Degrees F
Personnel: Justin L. O'Brien



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GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 11.7
Depth to bottom of the well: 20.45
Length of water column in well: 8.75

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

Volume of water in well casing, gallons: 5.7
3 Well volumes (= length water column X gal/foot X 3): 17.141
Actual volume purged prior to sampling: 17.25
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer
Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
Turbidity	1087	NTU								
Temperature	15.5	°C								
pH	7.09									
Conductivity	0.561	SPC ms/cm								
Oxygen	4.17	DO mg/L								
Salinity										

Time sample was collected: 14:34

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

PROJECT NAME: Gowanda Q3 2021
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 9/16/2021
Weather: 66 Degrees F
Personnel: Justin L. O'Brien



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GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 11.7
Depth to bottom of the well: 19.69
Length of water column in well: 7.99

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

Volume of water in well casing, gallons: 5.22
3 Well volumes (= length water column X gal/foot X 3): 15.65
Actual volume purged prior to sampling: 15.75

Sampling Methodology:
Sampling Equipment: Hand bailer

Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
Turbidity	880.05	NTU								
Temperature	15.7	°C								
pH	7.16									
Conductivity	0.557	SPC ms/cm								
Oxygen	5.02	DO mg/L								
Salinity										

Time sample was collected: 12:28

COMMENTS

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q3 2021
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 9/16/2021
Weather: 66 degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 11.9
Depth to bottom of the well: 22.98
Length of water column in well: 11.08

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

Volume of water in well casing, gallons: 7.2352
3 Well volumes (= length water column X gal/foot X 3): 21.706
Actual volume purged prior to sampling: 21.75
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer
Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
Turbidity	873.14	NTU								
Temperature	15.6	°C								
pH	7.12									
Conductivity	0.548	SPC ms/cm								
Oxygen	4.64	DO mg/L								
Salinity										

Time sample was collected: 11:44

COMMENTS

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q3 2021
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 9/16/2021
Weather: 66 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 11.8
Depth to bottom of the well: 20.72
Length of water column in well: 8.92

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

Volume of water in well casing, gallons: 5.8248
3 Well volumes (= length water column X gal/foot X 3): 17.474
Actual volume purged prior to sampling: 17.5
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer
Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
Turbidity	1679	NTU								
Temperature	17	°C								
pH	7.05									
Conductivity	0.522	SPC ms/cm								
Oxygen	4.67	DO mg/L								
Salinity										

Time sample was collected: 11:20

COMMENTS

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q3 2021
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 9/17/2021
Weather: 72 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 10.2
Depth to bottom of the well: 18.15
Length of water column in well: 7.95

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

Volume of water in well casing, gallons: 5.19
3 Well volumes (= length water column X gal/foot X 3): 15.57
Actual volume purged prior to sampling: 15.75
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer
Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
Turbidity	803.6	NTU								
Temperature	18.3	°C								
pH	7.52									
Conductivity	0.56	SPC ms/cm								
Oxygen	5.3	DO mg/L								
Salinity										

Time sample was collected: 10:06

COMMENTS



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NOVEMBER 2021
GROUNDWATER CHARACTERIZATION REPORT



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

4 Industrial Place, Gowanda, NY

GROUNDWATER CHARACTERIZATION REPORT-NOVEMBER 2021 (Q4 2021)



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Appendices

Appendix A:	Laboratory Analytical Results Report - November 2021 Sampling Event
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1.0 INTRODUCTION

Bergmann is submitting this groundwater characterization report for the fourth quarter 2021 sampling event, conducted on November 18th and 19th, 2021, 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 November 18th and November 19th, 2021. 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 all 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 September 2021 and included analysis of groundwater samples from all twenty-one (21) of twenty-one (21) site-related groundwater monitoring wells and all seven (7) groundwater recovery wells.

1.2 SITE BACKGROUND

The Gowanda Day Habilitation site consists of a 5.94-acre parcel located at 4 Industrial Place. 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.

During 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) and implementation of an ISCO treatment. Bergmann submitted an ISCO RAP for groundwater treatment to the NYSDEC to address 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 November 2021 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 June 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 November 2021 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 on a regular basis 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 November 18th and November 19th, 2021. Depth to groundwater measurements were obtained from 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 monitored 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, NY. The samples were then transported by Alpha Analytical via a chain-of-custody protocol to their NYSELAP certified laboratory located in Westborough, Massachusetts. The samples were then tested for targeted chlorinated volatile organic compounds (VOCs) of concern, using EPA Method 8260C. Sample holding times were in compliance with analytical method requirements. Analytical results for each individual monitoring well have been posted in Table 3 for comparative purposes from sampling events completed 2012 – 2021.



3.0 LOCAL GROUNDWATER FLOW CHARACTERIZATION

The Site water table potentiometric surface pattern and groundwater flow direction was determined for November 2021 using elevations measured at each well. Groundwater elevations and well reference elevations were calculated using depth to water values obtained on November 18th and November 19th, 2021. The well gauging values and groundwater elevations are provided in Table 1 – Groundwater Elevations and Field Measurements – November 2021.

The November 2021 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 November 2021 depths to groundwater range from 4.90 ft. below top of casing (btoc) at MW-2, to 12.95 ft. btoc at MW-7. The average depth to groundwater at the wells measured was 8.88 ft. btoc, which is a decrease from the average depth to water of the previous sampling event in September of 2021 (9.49).

The site-wide average depth to water table decreased by approximately 0.61 ft. when compared to the previous sampling event from September 2021. This decrease in depth to the water table is inferred as seasonal.

Measured depth to water at all gauged monitoring and recovery wells is presented in Table 1 and November 2021 Groundwater Contours are presented on Figure 1 – November 2021 Groundwater 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 November 18th and November 19th, 2021. Samples were analyzed for VOCs via EPA Method 8260C. Analysis was performed in accordance with the October 2006 OM&M Manual. The following halogenated VOCs 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)

Total VOCs values, as present throughout this report, in the text, charts, and Tables 2, 3, and 4, are not representative of total VOCs detected, but are exclusively representative of the sum of TCE, CIS, TRANS, VC, and TCA detected.

4.2 MONITORING WELL GROUNDWATER ANALYSIS SUMMARY

The November 2021 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 fourteen (14) of the twenty-one (21) monitoring wells. Analytical results are summarized in Table 2 – November 2021 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 November 2021 Sampling Event. Table 3 – Historic Groundwater Analysis Results Summary includes the historical total VOC concentrations at each well since sampling of the monitoring wells began in 2002.

VOCs were not detected in groundwater from seven (7) of the sampled monitoring wells.

Groundwater samples from eleven (11) monitoring wells had detectable chlorinated VOCs at concentrations above applicable Class GA Standards. The monitoring well with the highest total VOCs, MW-1, with a value of 980.46 parts per billion (ppb), is located in the area of historically greatest impacted groundwater.

Concentrations in eight (8) of the twenty-one (21) monitoring well groundwater samples increased when compared to the September 2021 sampling event while concentrations in seven (7) of the twenty-one (21) monitoring well groundwater samples decreased. Concentrations in six (6) groundwater samples from monitoring wells had no change. The current sampling analytical results indicate an average site-wide decrease in total VOCs of approximately 84.88% since activation of the GTS in May 2005.

The area of highest impacted groundwater exists at the area centered between monitoring wells MW-1 and MW-11, which has historically indicated the highest levels of VOCs and is inferred as the source area of impacted groundwater. In the area where the plume of impacted groundwater is inferred (monitoring wells MW-1, MW-6, MW-7, MW-11, MW-12, MW-14, MW-15, and MW-17) the current laboratory analysis shows a contaminant reduction in VOC concentrations by an average of approximately 73.10% since groundwater monitoring of these wells began in 2002.



Monitoring well MW-1 increased in targeted chlorinated VOCs relative to the prior sampling event. The total VOC concentration at monitoring well MW-1 for the November 2021 sampling event was 980.46 parts per billion (ppb), an increase from the September 2021 value of 404.62 ppb. Since activation of the GTS, detected VOCs at MW-1 have increased by about 27.66%.

Monitoring well MW-11 increased in targeted chlorinated VOCs relative to the prior sampling event. The total VOC concentration at MW-11 for the November 2021 sampling event is 495.4 ppb, an increase from the September 2021 value of 386.9 ppb. Since activation of the GTS in May 2005, detected VOCs at MW-11 have decreased by 89.34%.

Monitoring well MW-12 increased in targeted chlorinated VOCs relative to the prior sampling event. The total VOC concentration at MW-12 for the November 2021 sampling event is 125.4 ppb, an increase from the September 2021 value of 65.86 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 about 99%.

Monitoring well MW-13 increased in targeted chlorinated VOCs relative to the prior sampling event. The total VOC concentration at monitoring well MW-13 for the November 2021 sampling event was 1.83 ppb, an increase from the September 2021 sampling event, which was 0.95 ppb. Since activation of the GTS, detected VOCs at MW-13 have decreased by about 99.42%.

Monitoring well MW-14 increased in targeted chlorinated VOCs relative to the prior sampling event. The total VOC concentration at MW-14 for the November 2021 sampling event is 91.86 ppb, an increase from the September 2021 value of 84.40 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 about 70.86%.

Monitoring well MW-15 decreased in targeted chlorinated VOCs relative to the prior sampling event. The total VOC concentration at MW-15 for the November 2021 sampling event was 15.6 ppb, a decrease from the September 2021 sampling event, which was 24.80 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 97.86%.

Six (6) groundwater monitoring wells are located along the subject property's north perimeter, down-gradient from the area of impacted groundwater. The north perimeter monitoring wells consist of wells MW-5, MW-6, MW-7, MW-16, MW-17 and MW-21. The current analytical results exhibit a decrease in targeted VOCs at the sampled monitoring wells along the north perimeter, compared to the September 2021 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 results indicate a total VOC concentration of 6.42 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, 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 the Torrance Place road surface. These wells were uncovered after the July 2019 sampling event, and subsequent sampling events. Well MW-19R had a total VOC concentration of 0.29 ppb, and well MW-21 had a total VOC concentration of 15.27 ppb during the November 2021 sampling event.

Laboratory analytical results are included in Appendix A. Monitoring well locations and distribution of analytical results are shown on Figure 2 – November 2021 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-4 and MW-19R. The current results indicate non-detect (ND) levels for MW-4 and 0.29 ppb for MW-19R.

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. According to Mr. Chris Sanson, an Environmental Scientist for Groundwater & Environmental Services, Inc. (GES), an ISCO injection application was implemented for the Gowanda Electronics site in March 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 November 2021 sampling event, all of the seven (7) recovery wells were sampled.

The November 2021 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. Total VOCs 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 VOCs for the current sampling event is about 85.99% relative to concentrations prior to GTS activation in 2002. Relative percent increase in total VOCs for all monitoring wells and recovery wells are shown on Table 4 – Percent Reductions in Total Groundwater VOCs.

Recovery well DR-1 increased in targeted chlorinated VOCs relative to the prior sampling event. The total VOC concentration at DR-1 for the November 2021 sampling event is 598.6 ppb, an increase from the September 2021 value of 98.05 ppb. The current sampling event indicates a decrease in VOCs at DR-1 of 92.52% 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 total VOC concentration at DR-2 for the November 2021 sampling event is 251.3 ppb, an increase from the September 2021 value of 162.4 ppb. The current sampling event indicates a decrease in VOCs at DR-2 of about 87.45% since activation of the GTS.

Recovery well DR-3 increased in targeted chlorinated VOCs relative to the prior sampling event. The total VOC concentration at DR-3 for the November 2021 sampling event is 94.88 ppb, an increase from the September 2021 value of 85.26 ppb. The current sampling event indicates a decrease in VOCs at DR-3 of about 93.53% since activation of the GTS.

Recovery well DR-4 increased in targeted chlorinated VOCs relative to the prior sampling event. The total VOC concentration at DR-4 for the November 2021 sampling event is 34.6 ppb, an increase from the September 2021 value of 34.1 ppb. The current sampling event indicates a decrease in VOCs at DR-4 of about 98.04% since activation of the GTS.

Recovery well G-1 increased in targeted chlorinated VOCs relative to the prior sampling event. The total VOC concentration at G-1 for the November 2021 sampling event was 53.68 ppb, an increase from the September 2021 value of 51.83 ppb. The current sampling event indicates a decrease in VOCs at G-1 of 90.14% since activation of the GTS.



Recovery well G-2 increased in targeted chlorinated VOCs relative to the prior sampling event. The total VOC concentration at G-2 for the November 2021 sampling event was 52.67 ppb, an increase from the September 2021 value of 45.4 ppb. The current sampling event indicates a decrease in VOCs at G-2 of 86.32% since activation of the GTS.

Recovery well G-3 decreased in targeted chlorinated VOCs relative to the prior sampling event. The total VOC concentration at G-3 for the November 2021 sampling event was 185.8 ppb, a decrease from the September 2021 value of 226.09 ppb. The current sampling event indicates a decrease in VOCs at G-3 of 53.90% since activation of the GTS.

Laboratory analytical results are included in Appendix A. Recovery well locations and analytical results are shown on Figure 3 – November 2021 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 November 2021 sampling event, and was analyzed. A field duplicate (labeled as MW-X) was taken from MW-18.

Laboratory analytical results are included in Appendix A.



5.0 REMEDIATION SYSTEM EFFICIENCY

5.1 IMPACT OF THE GTS RECOVERY WELLS

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

Chart 2 displays the relationship between monitoring wells MW-1, MW-11 and recovery well DR-1. The current total VOCs at MW-1 (980.46 ppb) show an increase from the September 2021 sampling event (404.62 ppb). The current total VOCs at MW-11 (495.4 ppb) shows an increase from the September 2021 sampling event (386.9 ppb). The current total VOCs at DR-1 (598.6 ppb) show an increase from the September 2021 sampling event (98.05 ppb).

Chart 3 compares laboratory 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 total VOCs at MW-12 (125.4 ppb) show an increase from the September 2021 sampling event (65.86 ppb). The current total VOCs at recovery well DR-2 (251.3 ppb) show an increase from the September 2021 sampling event (162.4 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 total VOCs at MW-14 (91.86 ppb) show an increase from the September 2021 sampling event (84.40 ppb). The current total VOCs at recovery well DR-3 (94.88 ppb) show an increase from the September 2021 sampling event (85.26 ppb).

Chart 5 compares laboratory results between recovery well DR-4 and MW-15. These wells are located at the center-north portion of the building. The current total VOCs at MW-15 (15.6 ppb) show a decrease from the September 2021 sampling event (24.80 ppb). The current total VOCs at recovery well DR-4 (34.6 ppb) show an increase from the September 2021 sampling event (34.1 ppb).

Chart 6 compares laboratory results between recovery well G-1 and monitoring well MW-17. The recovery well is located in the northern portion of the building and MW-17 is located along the northern property line. The current total VOCs at recovery well MW-17 (85.27 ppb) show a decrease from the September 2021 sampling event (230.86 ppb). The current total VOCs at recovery well G-1 (53.68 ppb) show an increase from the September 2021 sampling event (51.83 ppb).

Chart 7 compares laboratory results between recovery well G-2 and MW-7 which are located at the northeastern portion of the building. This area is at the apparent western perimeter of the area of impacted groundwater. Recovery well G-2 had a total VOC concentration of 52.67 ppb, which shows an increase from the September 2021 sampling event (45.4 ppb). The November 2021 total VOCs of MW-7 (29.15 ppb) show a decrease from the September 2021 sampling event (102.37 ppb).

Chart 8 compares laboratory 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. This area is at the western



perimeter of the apparent area of impacted groundwater. The current total VOCs at monitoring well MW-17 (85.27 ppb) show a decrease from the September 2021 sampling event (230.86 ppb). The current total VOCs at recovery well G-3 (185.8 ppb) show a decrease from the September 2021 sampling event (226.09 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. 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 impacted groundwater. 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 VOCs in the plume have not migrated and appear to be stabilized when compared to sample results with operation of the GTS during previous monitoring events.

VOCs were not sampled at MW-19R and MW-21 during the July 2019 and November 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. The full analytical results are summarized in Table 5.

The redevelopment of wells was performed in fall 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 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 Q1 2022. Future sampling and analytical 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 pattern and movement of residual impacted groundwater at the site will be monitored and recorded during future sampling events.



TABLES

Table 1 Groundwater Elevations and Field Measurements November 2021

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)	5.10	4.90	5.35	6.60	10.30	12.92	12.95	8.80	8.25	6.00
Groundwater Elevation	773.13	773.18	773.03	771.83	768.31	768.18	767.99	772.53	774.36	774.02
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	10.92	12.25	10.95	9.18	3.65	9.96	8.85	8.85	12.71	13.44
Minimum Purge Volume (gal)	1.78	2.00	1.78	1.50	0.59	1.62	1.4	1.44	2.07	2.2
3 Volumes	5.34	5.99	5.35	4.489	1.78	4.87	4.33	4.328	6.215	6.57
Actual volume purged	5.50	6.00	5.5	4.50	2.00	5.00	4.33	4.5	6.25	6.66
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)	5.50	6.30	6.60	10.30	10.25	12.60	12.80	8.60	7.35	9.30	9.4
Groundwater Elevation	773.08	772.20	771.79	768.13	768.13	767.83	767.05	767.79	766.85	768.74	765.36
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	9.98	11.08	10.80	7.85	9.55	10.66	12.38	16.40	10.32	5.45	6.42
Minimum Purge Volume (gal)	1.63	1.81	1.76	1.28	1.56	1.7	2.02	2.67	1.7	0.9	1.0
3 Volumes	4.88	5.42	5.28	3.84	4.67	5.21	6.05	8.02	5.05	2.67	3.14
Actual volume purged	5.00	5.50	5.30	4.00	4.75	5.25	6.25	8.25	5.25	2.75	3.25
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 = -0.71'

	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)	6.70	6.60	11.33	11.25	11.50	11.42	9.75
Groundwater Elevation	772.96	773.33	768.45	768.39	768.33	768.30	769.67
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	11.36	11.46	9.12	8.44	11.48	9.30	8.40
Minimum Purge Volume (gal)	7.42	7.48	5.96	5.51	7.50	6.07	5.49
3 Volumes	22.254	22.45	17.87	16.53	22.49	18.22	16.46
Actual volume purged	20.33	22.50	18.0	16.75	22.50	18.25	16.50
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 November 2021 Analytical Results Summary

Gowanda Day Habilitation Center
4 Industrial Place, Gowanda, New York
VCA # V-00463-9

Monitoring Well MW-1

Sample Date 11/18/2021

Sampling Events

Analyte	in ppb	Sep 2021	Nov 2021	NYS Guidance Value
TCE		300.00	840.00	5.0
CIS		100.00	130.00	5.0
TRANS		3.9	10.0	5.0
VC		0.7	0.46	2.0
TCA		ND	ND	5.0
Total VOCs		404.62	980.46	

Monitoring Well MW-2

Sample Date: 11/18/2021

Sampling Events

Analyte	in ppb	Sep 2021	Nov 2021	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: 11/18/2021

Sampling Events

Analyte	in ppb	Sep 2021	Nov 2021	NYS Guidance Value
TCE		ND	ND	5.0
CIS		ND	ND	5.0
TRANS		ND	ND	5.0
VC		ND	ND	2.0
TCA		ND	ND	5.0
Total VOCs		ND	ND	

Monitoring Well MW-4

Sample Date: 11/19/2021

Sampling Events

Analyte	in ppb	Sep 2021	Nov 2021	NYS Guidance Value
TCE		ND	ND	5.0
CIS		ND	ND	5.0
TRANS		ND	ND	5.0
VC		ND	ND	2.0
TCA		ND	ND	5.0
Total VOCs		ND	ND	

Monitoring Well MW-5

Sample Date: 11/19/2021

Sampling Events

Analyte	in ppb	Sep 2021	Nov 2021	NYS Guidance Value
TCE		1.50	1.20	5.0
CIS		ND	ND	5.0
TRANS		ND	ND	5.0
VC		ND	ND	2.0
TCA		ND	ND	5.0
Total VOCs		1.50	1.20	

Monitoring Well MW-6

Sample Date: 11/19/2021

Sampling Events

Analyte	in ppb	Sep 2021	Nov 2021	NYS Guidance Value
TCE		ND	ND	5.0
CIS		57.00	61.00	5.0
TRANS		ND	ND	5.0
VC		38.00	51.00	2.0
TCA		ND	ND	5.0
Total VOCs		95.00	112.00	

ND = Non-detect

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

NS = Not Sampled. No analysis performed during this sampling event.

Results expressed as parts per billion (ppb).

Bold results exceed NYSDEC TOGS 1.1.1 Class GA, June 1998 re-issue (MTBE = April 2000 Addendum Guidance Value)

Table 2 November 2021 Analytical Results Summary

Gowanda Day Habilitation Center
4 Industrial Place, Gowanda, New York
VCA # V-00463-9

Monitoring Well MW-7

Sample Date: 11/19/2021

Sampling Events

Analyte	in ppb	Sep 2021	Nov 2021	NYS Guidance Value
TCE		0.97	0.71	5.0
CIS		100.00	28.00	5.0
TRANS		ND	ND	5.0
VC		1.40	0.44	2.0
TCA		ND	ND	5.0
Total VOCs		102.37	29.15	

Monitoring Well MW-8

Sample Date: 11/18/2021

Sampling Events

Analyte	in ppb	Sep 2021	Nov 2021	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: 11/18/2021

Sampling Events

Analyte	in ppb	Sep 2021	Nov 2021	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: 11/18/2021

Sampling Events

Analyte	in ppb	Sep 2021	Nov 2021	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: 11/18/2021

Sampling Events

Analyte	in ppb	Sep 2021	Nov 2021	NYS Guidance Value
TCE		94.00	310.00	5.0
CIS		280.00	170.00	5.0
TRANS		3.70	9.4	5.0
VC		9.20	6.00	2.0
TCA		ND	ND	5.0
Total VOCs		386.9	495.4	

Monitoring Well MW-12

Sample Date: 11/18/2021

Sampling Events

Analyte	in ppb	Sep 2021	Nov 2021	NYS Guidance Value
TCE		18.00	20.00	5.0
CIS		47.00	100.00	5.0
TRANS		0.76	1.10	5.0
VC		0.10	4.30	2.0
TCA		ND	ND	5.0
Total VOCs		65.86	125.40	

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 2021 Analytical Results Summary

Gowanda Day Habilitation Center
4 Industrial Place, Gowanda, New York
VCA # V-00463-9

Monitoring Well MW-13

Sample Date: 11/18/2021

Sampling Events

Analyte	in ppb	Sep 2021	Nov 2021	NYS Guidance Value
TCE		0.95	0.91	5.0
CIS		ND	0.92	5.0
TRANS		ND	ND	5.0
VC		ND	ND	2.0
TCA		ND	ND	5.0
Total VOCs		0.95	1.83	

Monitoring Well MW-14

Sample Date: 11/18/2021

Sampling Events

Analyte	in ppb	Sep 2021	Nov 2021	NYS Guidance Value
TCE		9.4	9.9	5.0
CIS		73.0	79.0	5.0
TRANS		ND	0.76	5.0
VC		2.0	2.2	2.0
TCA		ND	ND	5.0
Total VOCs		84.40	91.86	

Monitoring Well MW-15

Sample Date: 11/18/2021

Sampling Events

Analyte	in ppb	Sep 2021	Nov 2021	NYS Guidance Value
TCE		16.00	10.00	5.0
CIS		8.8	5.6	5.0
TRANS		ND	ND	5.0
VC		ND	ND	2.0
TCA		ND	ND	5.0
Total VOCs		24.80	15.6	

Monitoring Well MW-16

Sample Date: 11/18/2021

Sampling Events

Analyte	in ppb	Sep 2021	Nov 2021	NYS Guidance Value
TCE		0.26	0.34	5.0
CIS		22.00	31.00	5.0
TRANS		ND	ND	5.0
VC		0.30	0.41	2.0
TCA		ND	ND	5.0
Total VOCs		22.56	31.75	

Monitoring Well MW-17

Sample Date: 11/19/2021

Sampling Events

Analyte	in ppb	Sep 2021	Nov 2021	NYS Guidance Value
TCE		20.00	13.00	5.0
CIS		210.00	72.00	5.0
TRANS		ND	ND	5.0
VC		0.86	0.27	2.0
TCA		ND	ND	5.0
Total VOCs		230.86	85.27	

Monitoring Well MW-18

Sample Date: 11/19/2021

Sampling Events

Analyte	in ppb	Sep 2021	Nov 2021	NYS Guidance Value
TCE		0.77	1.20	5.0
CIS		5.40	5.1	5.0
TRANS		ND	ND	5.0
VC		0.16	0.12	2.0
TCA		ND	ND	5.0
Total VOCs		6.33	6.42	

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 2021 Analytical Results Summary

Gowanda Day Habilitation Center
4 Industrial Place, Gowanda, New York
VCA # V-00463-9

Monitoring Well MW-19R

Sample Date: 11/19/2021

Sampling Events

Analyte	in ppb	Sep 2021	Nov 2021	NYS Guidance Value
TCE		0.34	0.29	5.0
CIS		ND	ND	5.0
TRANS		ND	ND	5.0
VC		ND	ND	2.0
TCA		ND	ND	5.0
Total VOCs		0.34	0.29	

Monitoring Well MW-20

Sample Date: 11/19/2021

Sampling Events

Analyte	in ppb	Sep 2021	Nov 2021	NYS Guidance Value
TCE		ND	ND	5.0
CIS		ND	ND	5.0
TRANS		ND	ND	5.0
VC		0.35	ND	2.0
TCA		ND	ND	5.0
Total VOCs		0.35	ND	

Monitoring Well MW-21

Sample Date: 11/19/2021

Sampling Events

Analyte	in ppb	Sep 2021	Nov 2021	NYS Guidance Value
TCE		1.9	1.4	5.0
CIS		16.0	13.0	5.0
TRANS		0.83	0.71	5.0
VC		0.43	0.16	2.0
TCA		ND	ND	5.0
Total VOCs		19.16	15.27	

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 2021 Analytical Results Summary

Gowanda Day Habilitation Center
 4 Industrial Place, Gowanda, New York
 VCA # V-00463-9

Recovery Well DR-1

Sample Date: 11/18/2021

Sampling Events

Analyte	in ppb	Sep 2021	Nov 2021	NYS Guidance Value
TCE		78	450	5.0
CIS		19	130	5.0
TRANS		0.89	3.60	5.0
VC		0.16	15.00	2.0
TCA		ND	ND	5.0
Total VOCs		98.05	598.60	

Recovery Well DR-2

Sample Date: 11/18/2021

Sampling Events

Analyte	in ppb	Sep 2021	Nov 2021	NYS Guidance Value
TCE		29.0	63.0	5.0
CIS		130	180	5.0
TRANS		1.2	1.6	5.0
VC		2.20	6.7	2.0
TCA		ND	ND	5.0
Total VOCs		162.4	251.3	

Recovery Well DR-3

Sample Date: 11/18/2021

Sampling Events

Analyte	in ppb	Sep 2021	Nov 2021	NYS Guidance Value
TCE		22	23	5.0
CIS		60	68	5.0
TRANS		0.76	0.98	5.0
VC		2.50	2.9	2.0
TCA		ND	ND	5.0
Total VOCs		85.26	94.88	

Recovery Well DR-4

Sample Date: 11/18/2021

Sampling Events

Analyte	in ppb	Sep 2021	Nov 2021	NYS Guidance Value
TCE		25	27	5.0
CIS		9.1	7.6	5.0
TRANS		ND	ND	5.0
VC		ND	ND	2.0
TCA		ND	ND	5.0
Total VOCs		34.1	34.6	

Recovery Well G-1

Sample Date: 11/18/2021

Sampling Events

Analyte	in ppb	Sep 2021	Nov 2021	NYS Guidance Value
TCE		4.10	11.0	5.0
CIS		47	42	5.0
TRANS		ND	ND	5.0
VC		0.73	0.68	2.0
TCA		ND	ND	5.0
Total VOCs		51.83	53.68	

Recovery Well G-2

Sample Date: 11/18/2021

Sampling Events

Analyte	in ppb	Sep 2021	Nov 2021	NYS Guidance Value
TCE		0.72	0.74	5.0
CIS		44	51	5.0
TRANS		ND	ND	5.0
VC		0.68	0.93	2.0
TCA		ND	ND	5.0
Total VOCs		45.40	52.67	

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 2021 Analytical Results Summary

Gowanda Day Habilitation Center
4 Industrial Place, Gowanda, New York
VCA # V-00463-9

Recovery Well G-3

Sample Date: 11/19/2021

Sampling Events

Analyte	in ppb	Sep 2021	Nov 2021	NYS Guidance Value
TCE		24	24	5.0
CIS		200	160	5.0
TRANS		1.4	1.3	5.0
VC		0.69	0.50	2.0
TCA		ND	ND	5.0
Total VOCs		226.09	185.80	

Duplicate Blank (MW-18)

Sample Date: 11/19/2021

Sampling Events

Analyte	in ppb	Nov 2021	NYS Guidance Value
TCE		1.3	5.0
CIS		4.9	5.0
TRANS		ND	5.0
VC		0.3	2.0
TCA		ND	5.0
Total VOCs		6.5	

Equipment Blank

Sample Date: 11/19/2021

Sampling Events

Analyte	in ppb	Sep 2021	Nov 2021	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 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	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	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	NS	
MW-3	ND	ND	ND	1.31	1.14	ND	0.3	ND	ND	0.28	0.39	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-4	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	1.20	1.50	0.79	1.60	ND	0.51	0.42	0.47	0.52	0.9	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-6	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	29.15	102.37	94.74	173.67	ND	73.89	1.16	55.58	39	27.83	ND	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	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-11	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	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	136.6	142	86.5	148.22		
MW-13	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	NS	
MW-14	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	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	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	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	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	ND	NS	ND	ND	ND	16.6	2.33	
MW-19R	0.29	0.34	0.50	0.36	ND	0.28	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	ND	2.5	ND	ND	
MW-20	ND	0.35	ND	0.88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW-21	15.27	19.16	5.60	32.04	11.0	5.9	23.5	24.49	18.33	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	NS	
MW-X (DUP)	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	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

RECOVERY WELLS																																			
Recovery Well Number	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)		
DR-1	598.6	98.05	485.3	117.8	909.0	122.0	1123.6	912.6	1038	1,832	1,310	1,510	1,319	1,070	1,540	1,970	617	610	910	319	160	NS	21.7	63	55	75	132	87	73	82	43	29.38	673		
DR-2	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	167	291	259	162	224	231	207	302	256	293	19	22.99	305.3		
DR-3	94.8	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	42	116.96	24.9				
DR-4	34.66	31.41	31.9	42.34	29.5	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	73	90	122.6	61		
G-1	53.68	51.83	40.38	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	
G-2	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	NS	NS	NS	NS	28	NS	48	34	37	52	14	68	81	50	132.2	74.3	41.9	
G-3	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	293	404	420	262	370	NS	NS	NS	NS	NS	NS	NS	NS	82	NS	11	25	41.6	173.1	44.2

RECOVERY WELLS

Recovery Well Number	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)
DR-1	598.6	98.05	485.3	117.8	909.0	1222.0	1123.6	912.6	1038	1832	1,310	1,510	1,319	1,070	1,540	1,970	617	610	910	319	160	NS	217	63	55	75	132	87	73	82	43	29.38	673
DR-2	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	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	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	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	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	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. Total VOCs values are not the total VOCs detected, but the sum of TCE, CIS, TRANS, VC, and TCA detected.

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.

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

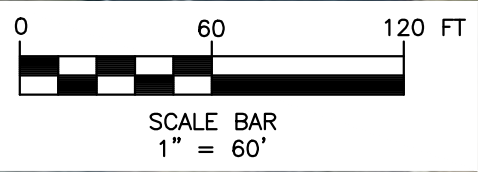
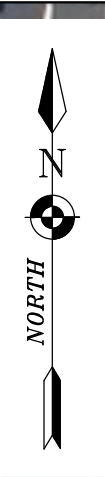
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FIGURES

\\baps\projects\DASNY-Gowanda 2021 0&M\3.0 Design\3.8 Reports\Gowanda 04 2021\Figures\Figure 1 November 2021.dwg



DASNY
Gowanda Day
Habilitation Center
4 Industrial Place
Gowanda, New York



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

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Architects & Surveyors, D.P.C.
Note:
Unauthorized alteration or addition to this
drawing is a violation of the New York State
Education Law Article 145, Section 7209.

Project Manager: J. O'BRIEN	Checked By: J. O'BRIEN
Designed By:	Drawn By: C. WOOD
Date Issued: 02/23/2022	Scale: 1" = 60'
Project Number: 14263.07	

NOVEMBER 2021
WATER LEVEL
CONTOUR MAP

Drawing Number:
FIGURE 1

DASNY

Gowanda Day
Habilitation Center

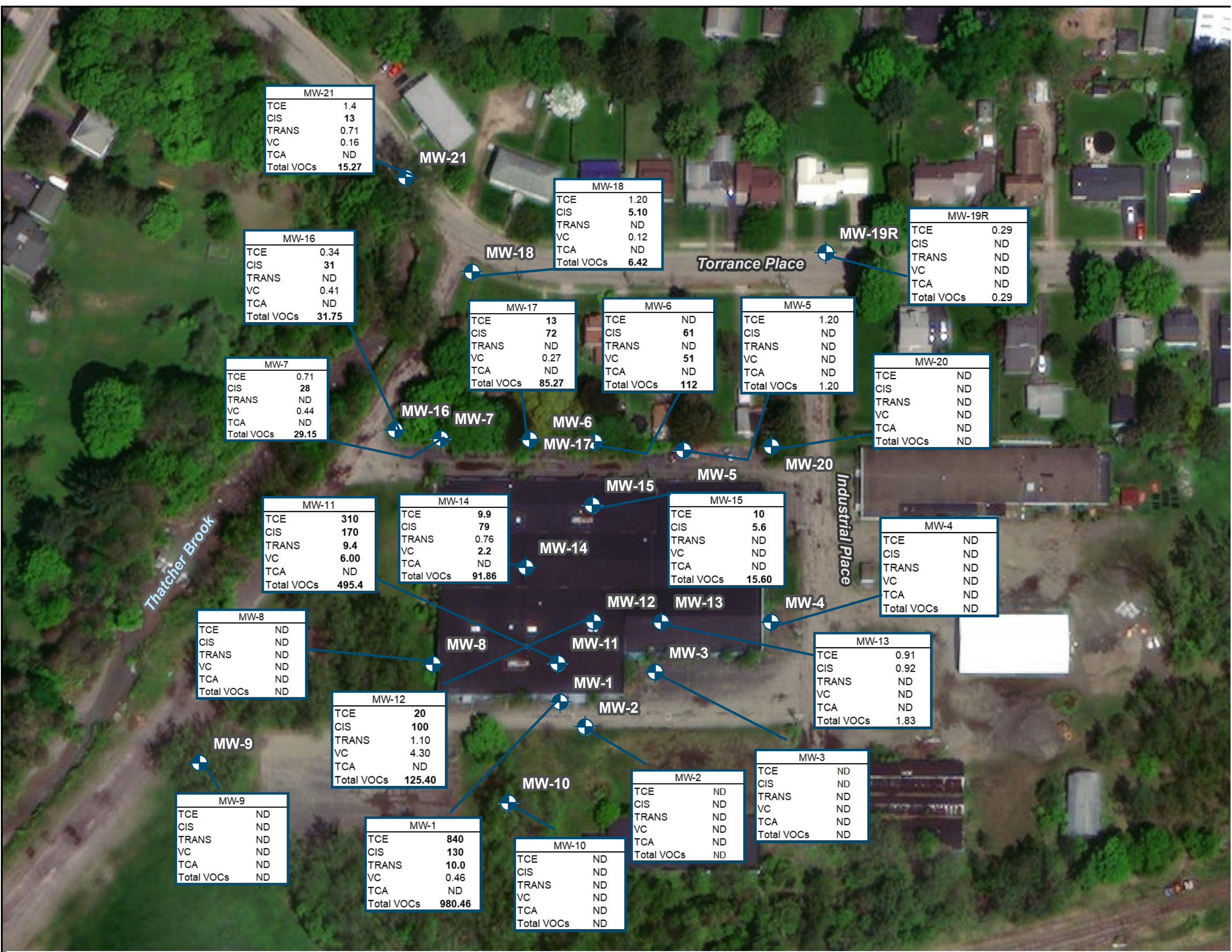
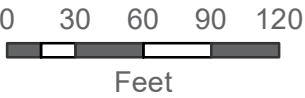
4 Industrial Place
Gowanda, NY



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Figure 2

November 2021
Distribution of
Groundwater
Analytical Results:
Monitoring Wells



DASNY

Gowanda Day
Habilitation Center

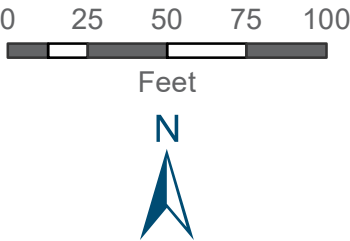
4 Industrial Place
Gowanda, NY



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Figure 3

November 2021
Distribution of
Groundwater
Analytical Results:
Recovery Wells





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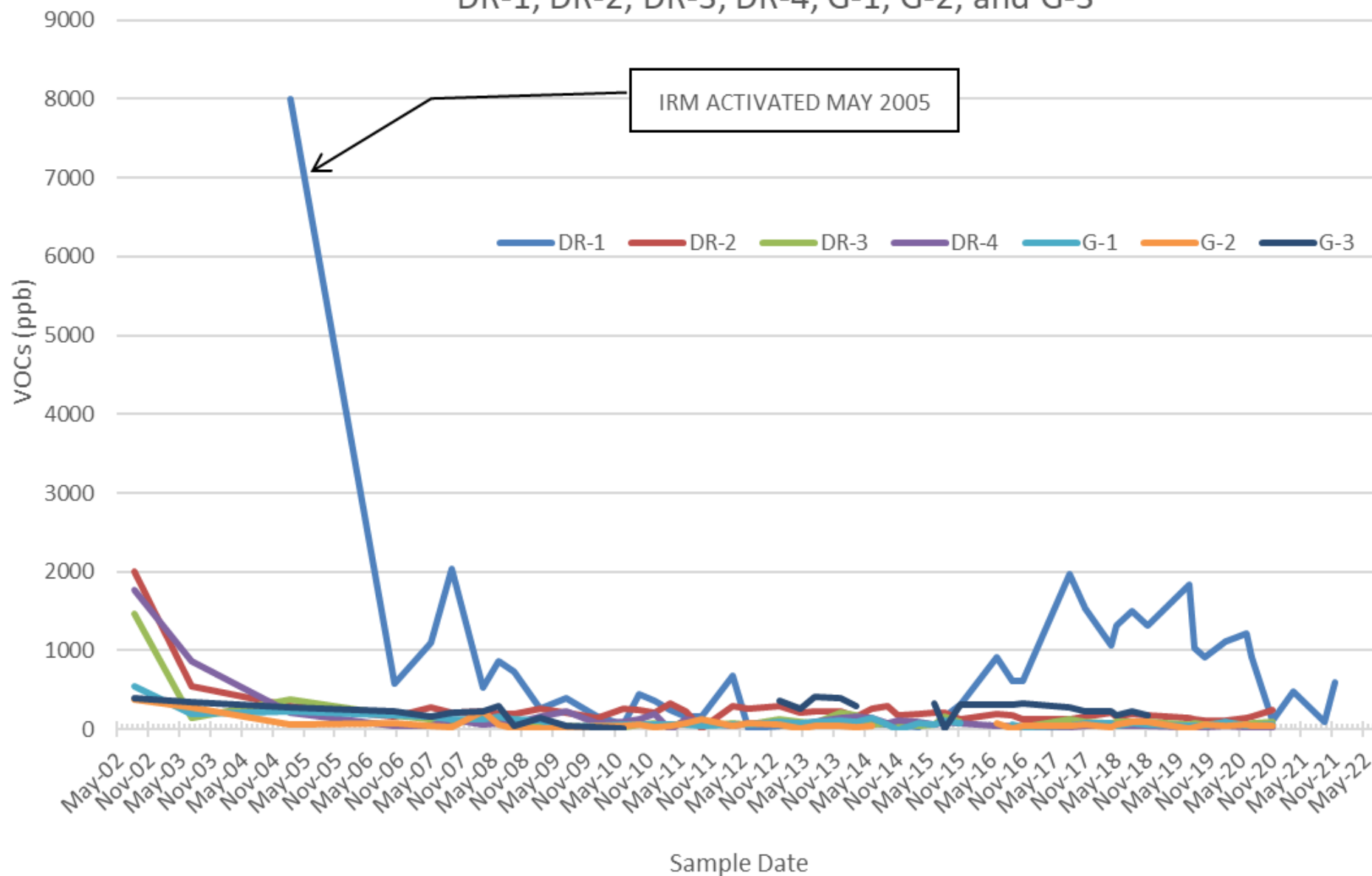
CHARTS



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Groundwater Recovery Wells DR-1, DR-2, DR-3, DR-4, G-1, G-2, and G-3

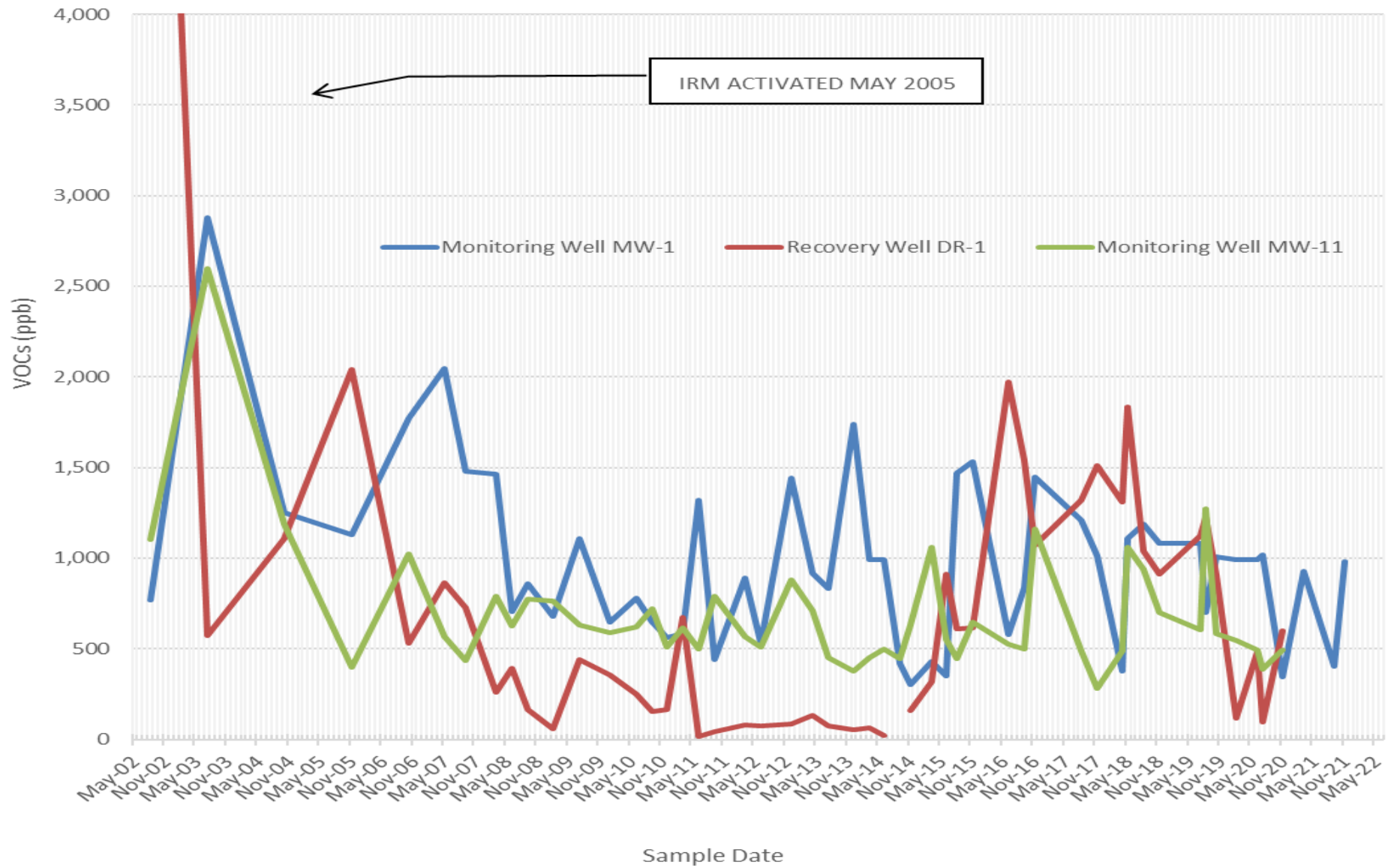




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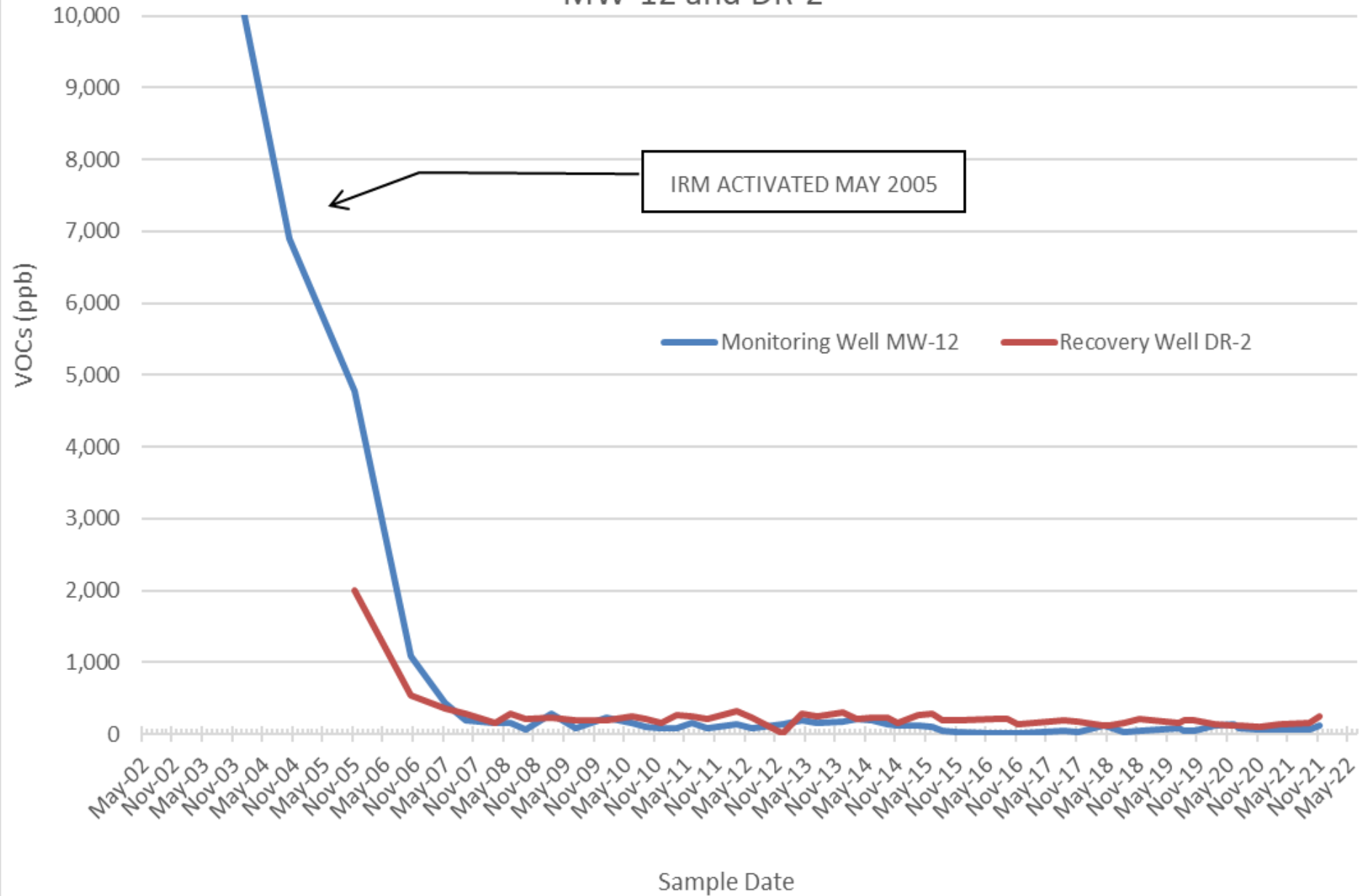
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MW-1, DR-1 and MW-11





MW-12 and DR-2

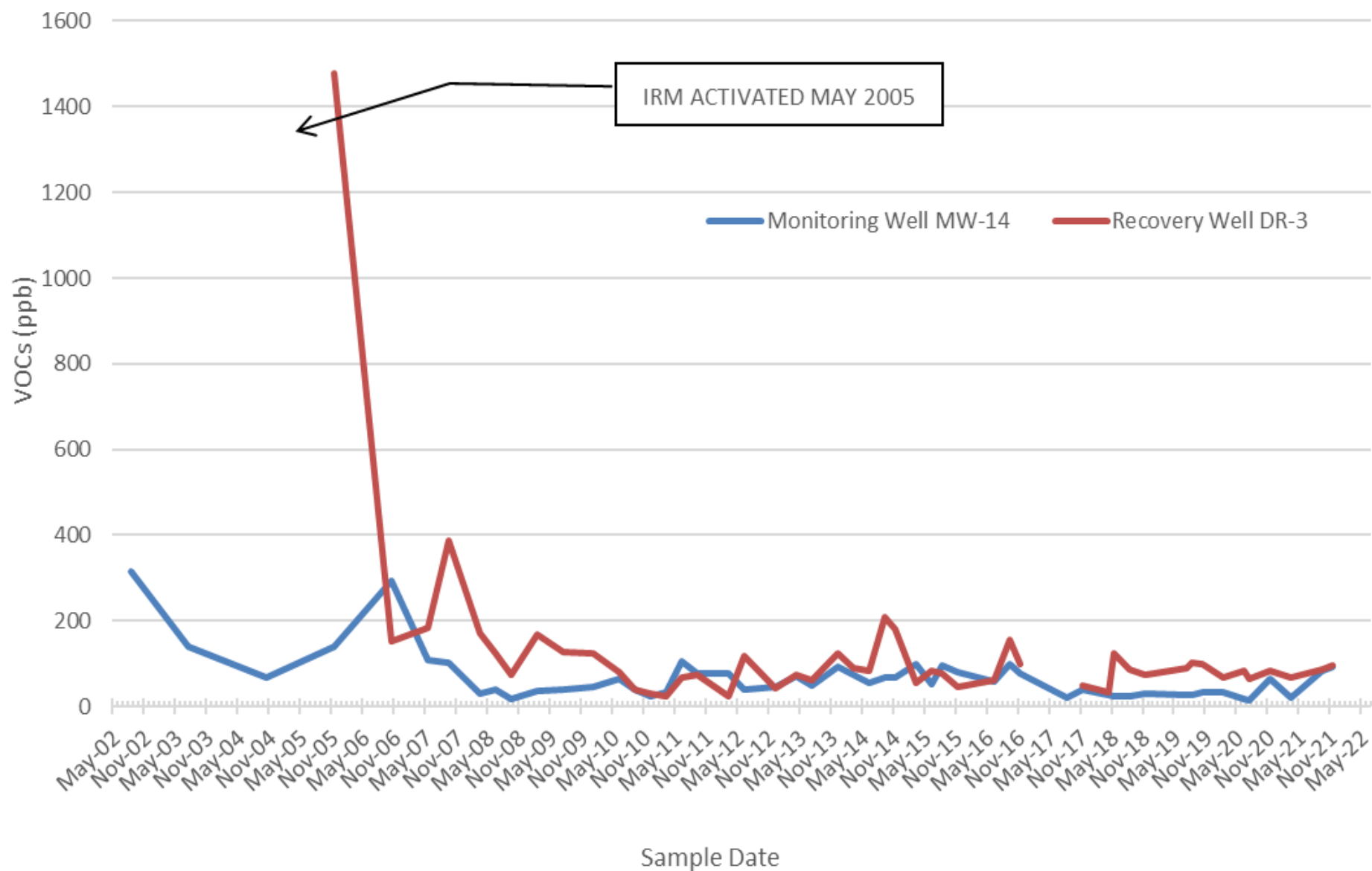




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MW-14 and DR-3

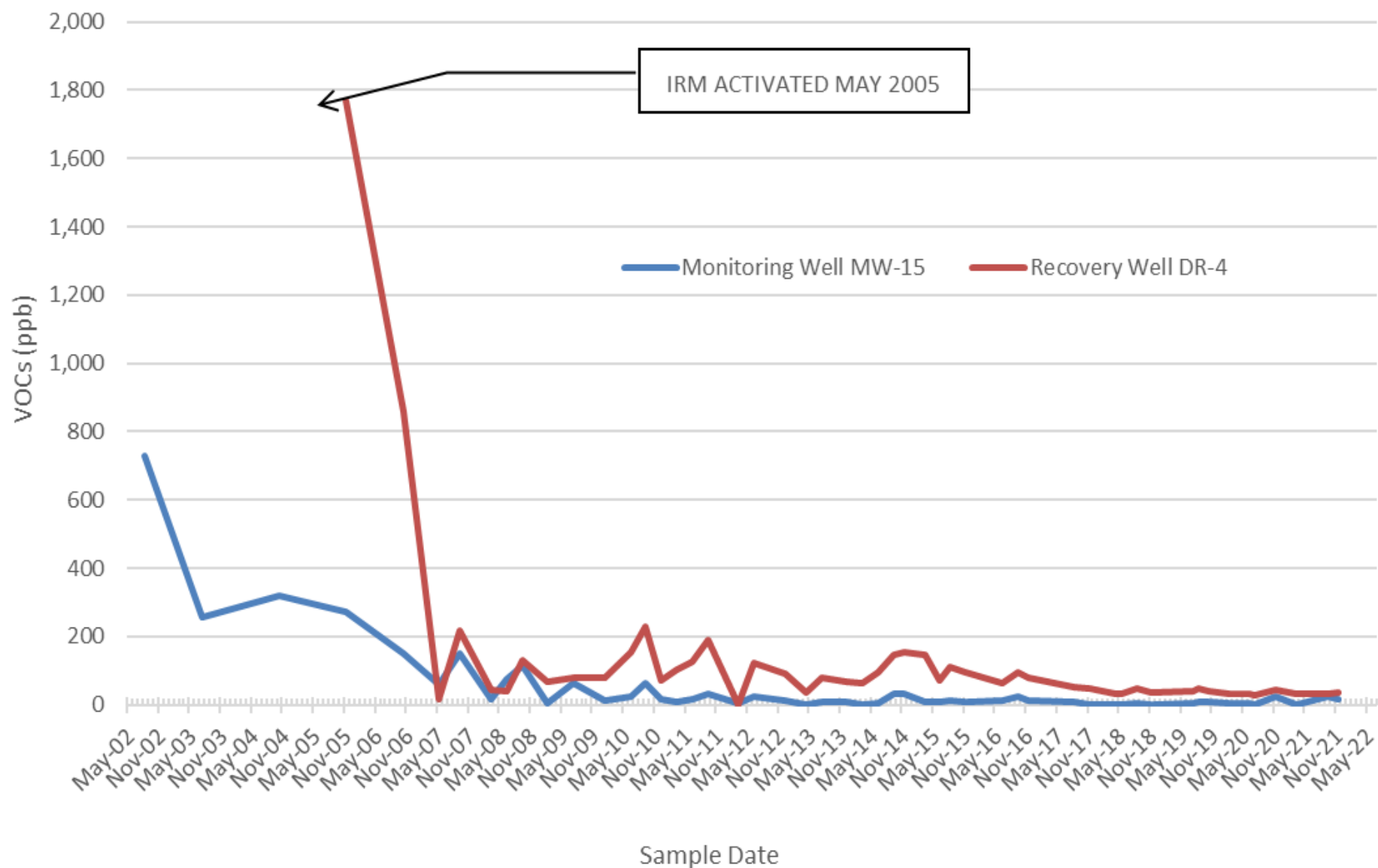




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MW-15 and DR-4

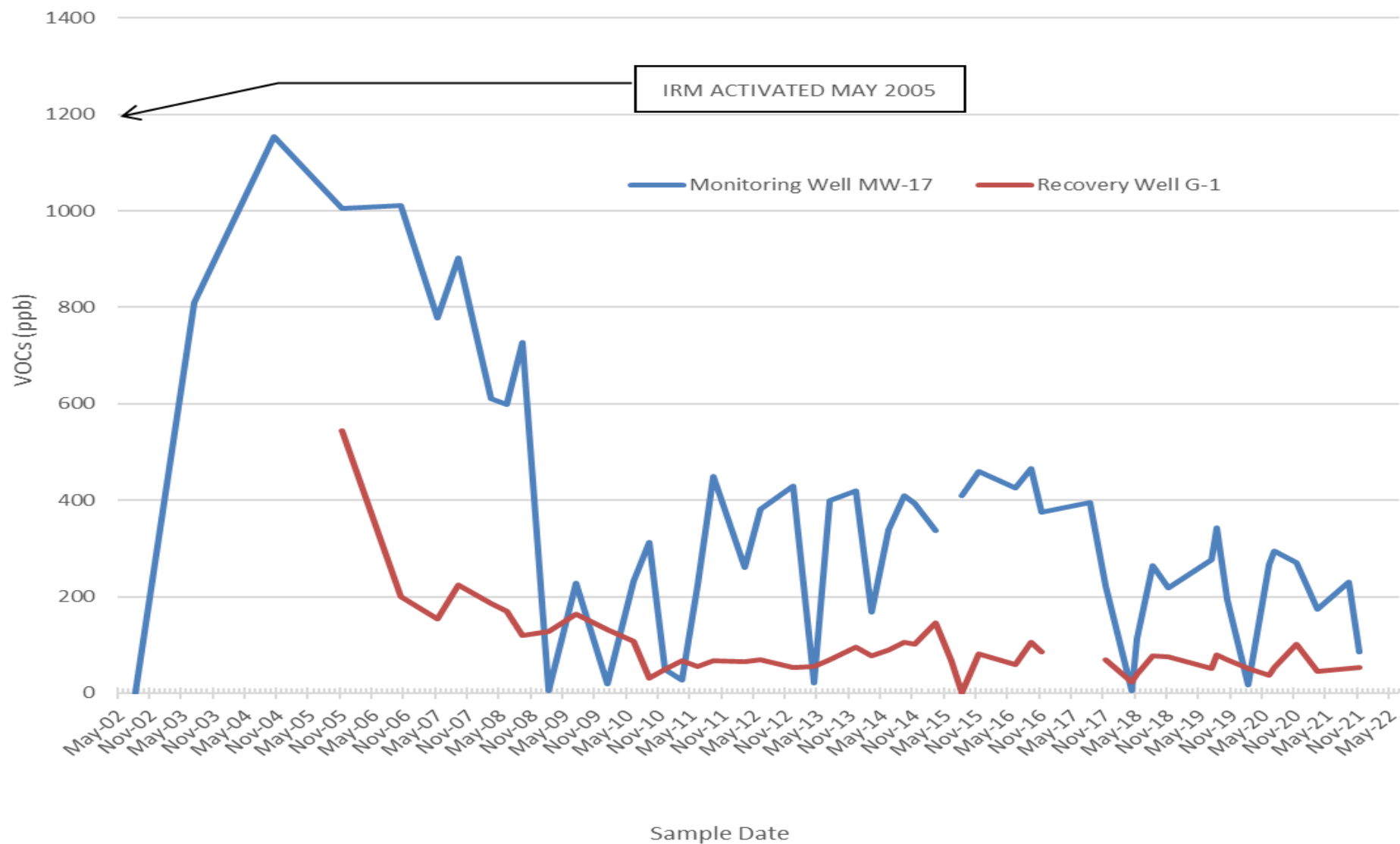




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MW-17 and G-1



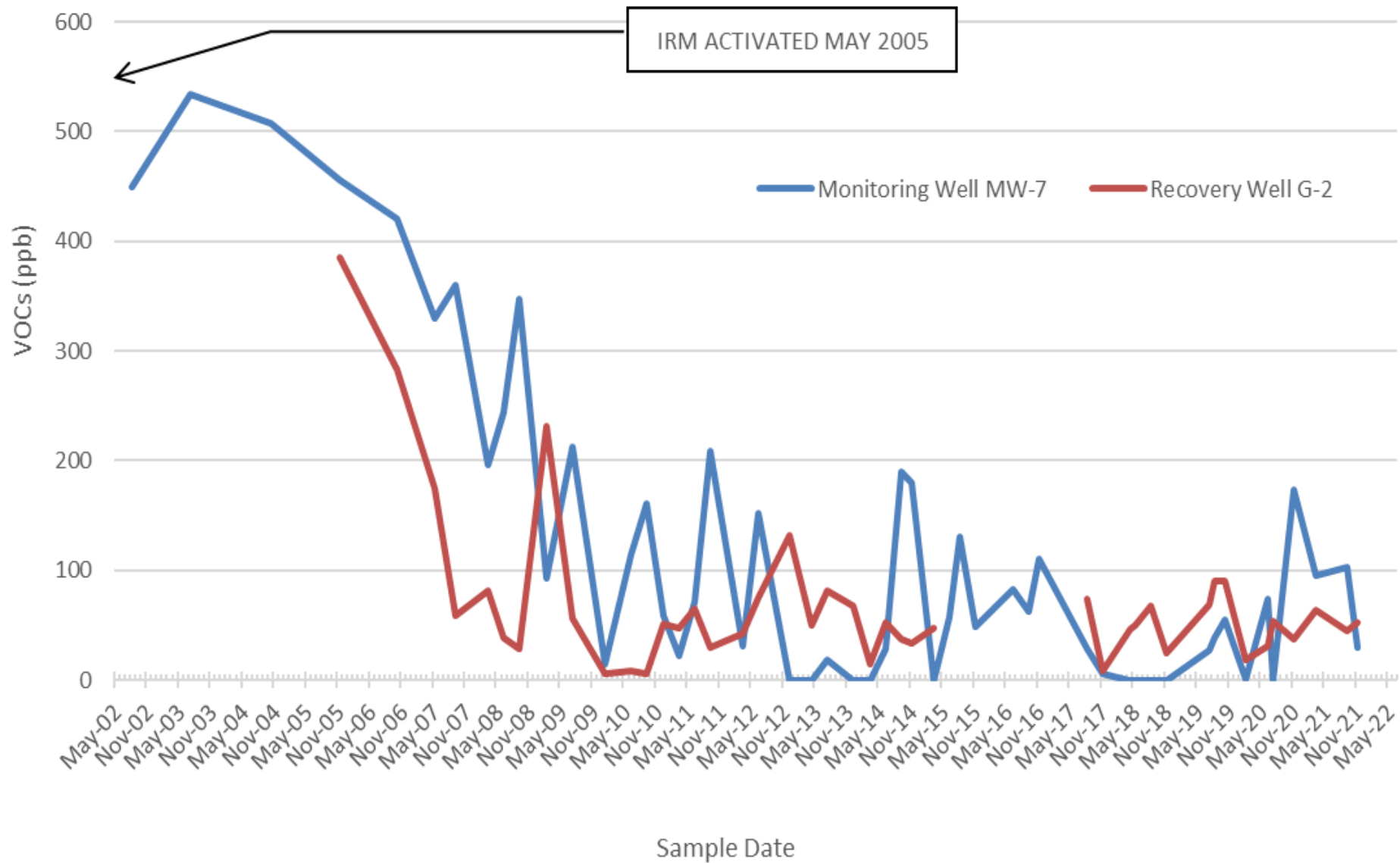


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MW-7 and G-2

IRM ACTIVATED MAY 2005

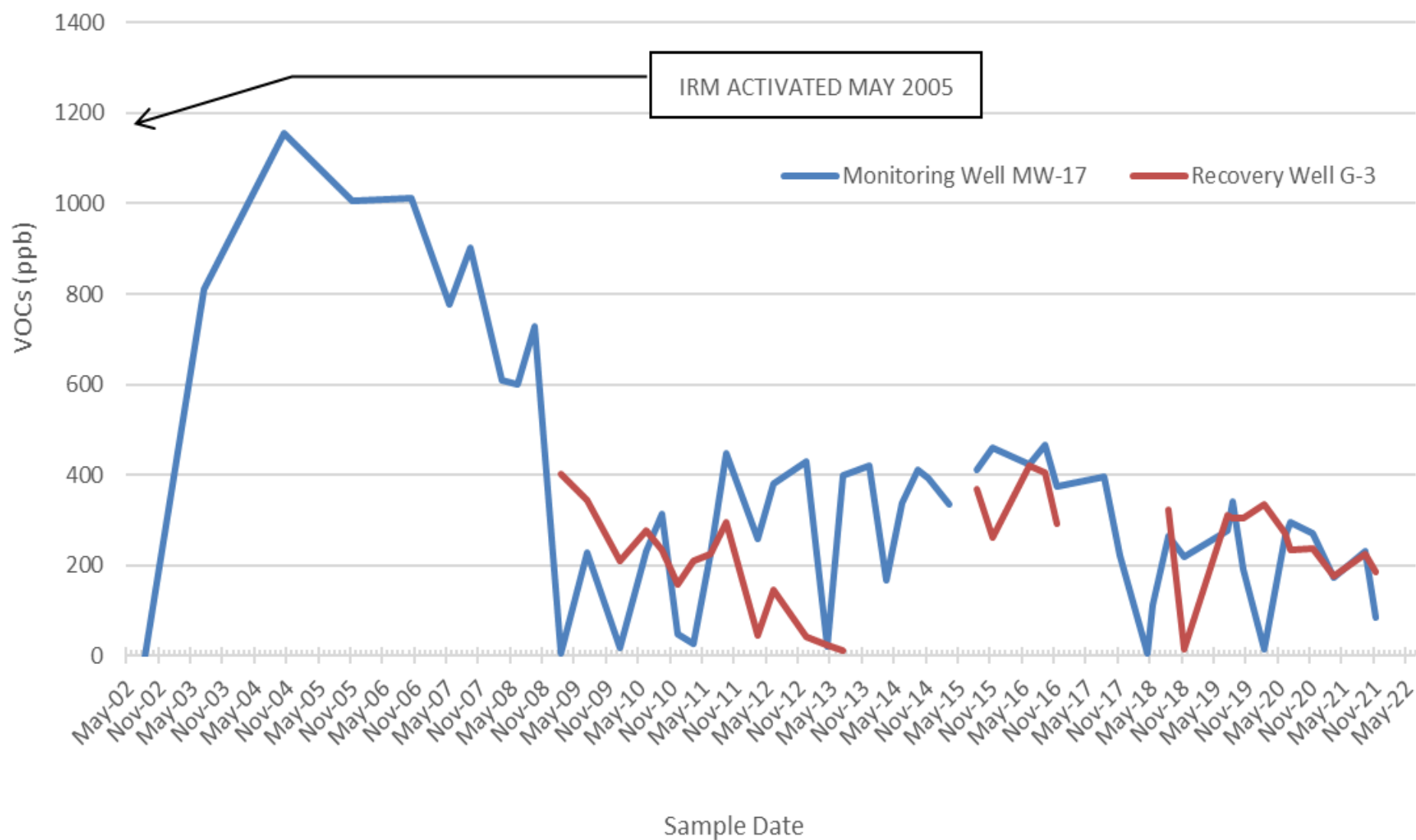




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MW-17 and G-3





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APPENDICES



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APPENDIX A:
Laboratory Analytical Results Report -
November 2021 Sampling Event



ANALYTICAL REPORT

Lab Number:	L2164375
Client:	Bergmann Associates 280 E Broad Street Rochester, NY 14604
ATTN:	Ariadna Cheremeteff
Phone:	(585) 498-7950
Project Name:	GOWANDA DAY HABITATION Q4 2021
Project Number:	14263.08
Report Date:	12/07/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

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: GOWANDA DAY HABITATION Q4 2021

Project Number: 14263.08

Lab Number: L2164375

Report Date: 12/07/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2164375-01	MW-1	WATER	GOWANDA, NY	11/18/21 14:20	11/19/21
L2164375-02	MW-2	WATER	GOWANDA, NY	11/18/21 14:45	11/19/21
L2164375-03	MW-3	WATER	GOWANDA, NY	11/18/21 14:00	11/19/21
L2164375-04	MW-4	WATER	GOWANDA, NY	11/19/21 07:46	11/19/21
L2164375-05	MW-5	WATER	GOWANDA, NY	11/19/21 08:12	11/19/21
L2164375-06	MW-6	WATER	GOWANDA, NY	11/19/21 11:24	11/19/21
L2164375-07	MW-7	WATER	GOWANDA, NY	11/19/21 09:58	11/19/21
L2164375-08	MW-8	WATER	GOWANDA, NY	11/18/21 15:38	11/19/21
L2164375-09	MW-9	WATER	GOWANDA, NY	11/18/21 16:01	11/19/21
L2164375-10	MW-10	WATER	GOWANDA, NY	11/18/21 15:22	11/19/21
L2164375-11	MW-11	WATER	GOWANDA, NY	11/18/21 13:07	11/19/21
L2164375-12	MW-12	WATER	GOWANDA, NY	11/18/21 12:27	11/19/21
L2164375-13	MW-13	WATER	GOWANDA, NY	11/18/21 12:45	11/19/21
L2164375-14	MW-14	WATER	GOWANDA, NY	11/18/21 11:02	11/19/21
L2164375-15	MW-15	WATER	GOWANDA, NY	11/18/21 10:15	11/19/21
L2164375-16	MW-16	WATER	GOWANDA, NY	11/18/21 16:22	11/19/21
L2164375-17	MW-17	WATER	GOWANDA, NY	11/19/21 11:05	11/19/21
L2164375-18	MW-18	WATER	GOWANDA, NY	11/19/21 09:36	11/19/21
L2164375-19	MW-19R	WATER	GOWANDA, NY	11/19/21 08:45	11/19/21
L2164375-20	MW-20	WATER	GOWANDA, NY	11/19/21 08:01	11/19/21
L2164375-21	MW-21	WATER	GOWANDA, NY	11/19/21 09:04	11/19/21
L2164375-22	DR-1	WATER	GOWANDA, NY	11/18/21 13:36	11/19/21
L2164375-23	DR-2	WATER	GOWANDA, NY	11/18/21 12:10	11/19/21
L2164375-24	DR-3	WATER	GOWANDA, NY	11/18/21 11:35	11/19/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2164375-25	DR-4	WATER	GOWANDA, NY	11/18/21 10:46	11/19/21
L2164375-26	G-1	WATER	GOWANDA, NY	11/18/21 09:56	11/19/21
L2164375-27	G-2	WATER	GOWANDA, NY	11/18/21 09:20	11/19/21
L2164375-28	G-3	WATER	GOWANDA, NY	11/19/21 10:42	11/19/21
L2164375-29	EQUIPMENT BLANK	WATER	GOWANDA, NY	11/19/21 11:30	11/19/21
L2164375-30	MW-X	WATER	GOWANDA, NY	11/19/21 00:00	11/19/21
L2164375-31	TRIP BLANK	WATER	GOWANDA, NY	11/19/21 00:00	11/19/21

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

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: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

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

L2164375-01: The collection date and time on the chain of custody was 18-NOV-21 14:45; however, the collection date/time on the container label was 18-NOV-21 14:20. At the client's request, the collection date/time is reported as 18-NOV-21 14:20.

L2164375-02: The collection date and time on the chain of custody was 18-NOV-21 14:20; however, the collection date/time on the container label was 18-NOV-21 14:45. At the client's request, the collection date/time is reported as 18-NOV-21 14:45.

Volatile Organics

L2164375-01D, -11D, and -22D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2164375-06: The sample was received in the proper acid-preserved containers; however, upon analysis, the pH was determined to be greater than 2, and thus the method required holding time was exceeded.

The WG1577775-4 LCSD recovery, associated with L2164375-04, -06, -07, -10 through -17, and -22D through -27, is above the individual acceptance criteria for acetone (160%), but within the overall method allowances. The results of the associated samples are reported; however, all positive detects for these compounds are considered to have a potentially high bias.

The WG1577775-3/-4 LCS/LCSD RPD, associated with L2164375-04, -06, -07, -10 through -17, and -22D through -27, is above the acceptance criteria for 2-hexanone (21%).

The WG1578292-3 LCS recovery, associated with L2164375-18 through -21, -28, and -29, is below the individual acceptance criteria for methyl acetate (68%), but within the overall method allowances. The results of the associated samples are reported; however, all results for these compounds are considered to have a potentially low bias.

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

Case Narrative (continued)

The WG1578292-3/-4 LCS/LCSD RPD, associated with L2164375-18 through -21, -28, and -29, is above the acceptance criteria for acetone (21%).

The WG1578855-4 LCSD recoveries, associated with L2164375-05 and -30, are outside the acceptance criteria for individual target compounds, but within the overall method allowances. The results of the associated samples are reported; however, all results are considered to have a potentially high bias for acetone (150%) and 2-butanone (140%).

The WG1578855-3/-4 LCS/LCSD RPD, associated with L2164375-05 and -30, is above the acceptance criteria for acetone (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:



Cristin Walker

Title: Technical Director/Representative

Date: 12/07/21

ORGANICS

VOLATILES

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-01 **D**
Client ID: MW-1
Sample Location: GOWANDA, NY

Date Collected: 11/18/21 14:20
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/30/21 19:47
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	12	3.5	5
1,1-Dichloroethane	ND		ug/l	12	3.5	5
Chloroform	ND		ug/l	12	3.5	5
Carbon tetrachloride	ND		ug/l	2.5	0.67	5
1,2-Dichloropropane	ND		ug/l	5.0	0.68	5
Dibromochloromethane	ND		ug/l	2.5	0.74	5
1,1,2-Trichloroethane	ND		ug/l	7.5	2.5	5
Tetrachloroethene	ND		ug/l	2.5	0.90	5
Chlorobenzene	ND		ug/l	12	3.5	5
Trichlorofluoromethane	ND		ug/l	12	3.5	5
1,2-Dichloroethane	ND		ug/l	2.5	0.66	5
1,1,1-Trichloroethane	ND		ug/l	12	3.5	5
Bromodichloromethane	ND		ug/l	2.5	0.96	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	0.82	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	0.72	5
1,3-Dichloropropene, Total	ND		ug/l	2.5	0.72	5
Bromoform	ND		ug/l	10	3.2	5
1,1,2,2-Tetrachloroethane	ND		ug/l	2.5	0.84	5
Benzene	ND		ug/l	2.5	0.80	5
Toluene	ND		ug/l	12	3.5	5
Ethylbenzene	ND		ug/l	12	3.5	5
Chloromethane	ND		ug/l	12	3.5	5
Bromomethane	ND		ug/l	12	3.5	5
Vinyl chloride	0.46	J	ug/l	5.0	0.36	5
Chloroethane	ND		ug/l	12	3.5	5
1,1-Dichloroethene	ND		ug/l	2.5	0.84	5
trans-1,2-Dichloroethene	10	J	ug/l	12	3.5	5
Trichloroethene	840		ug/l	2.5	0.88	5

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-01 **D**
Client ID: MW-1
Sample Location: GOWANDA, NY

Date Collected: 11/18/21 14:20
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	12	3.5	5
1,3-Dichlorobenzene	ND		ug/l	12	3.5	5
1,4-Dichlorobenzene	ND		ug/l	12	3.5	5
Methyl tert butyl ether	ND		ug/l	12	3.5	5
p/m-Xylene	ND		ug/l	12	3.5	5
o-Xylene	ND		ug/l	12	3.5	5
Xylenes, Total	ND		ug/l	12	3.5	5
cis-1,2-Dichloroethene	130		ug/l	12	3.5	5
1,2-Dichloroethene, Total	140	J	ug/l	12	3.5	5
Styrene	ND		ug/l	12	3.5	5
Dichlorodifluoromethane	ND		ug/l	25	5.0	5
Acetone	ND		ug/l	25	7.3	5
Carbon disulfide	ND		ug/l	25	5.0	5
2-Butanone	ND		ug/l	25	9.7	5
4-Methyl-2-pentanone	ND		ug/l	25	5.0	5
2-Hexanone	ND		ug/l	25	5.0	5
Bromochloromethane	ND		ug/l	12	3.5	5
1,2-Dibromoethane	ND		ug/l	10	3.2	5
n-Butylbenzene	ND		ug/l	12	3.5	5
sec-Butylbenzene	ND		ug/l	12	3.5	5
tert-Butylbenzene	ND		ug/l	12	3.5	5
1,2-Dibromo-3-chloropropane	ND		ug/l	12	3.5	5
Isopropylbenzene	ND		ug/l	12	3.5	5
p-Isopropyltoluene	ND		ug/l	12	3.5	5
Naphthalene	ND		ug/l	12	3.5	5
n-Propylbenzene	ND		ug/l	12	3.5	5
1,2,3-Trichlorobenzene	ND		ug/l	12	3.5	5
1,2,4-Trichlorobenzene	ND		ug/l	12	3.5	5
1,3,5-Trimethylbenzene	ND		ug/l	12	3.5	5
1,2,4-Trimethylbenzene	ND		ug/l	12	3.5	5
Methyl Acetate	ND		ug/l	10	1.2	5
Cyclohexane	ND		ug/l	50	1.4	5
1,4-Dioxane	ND		ug/l	1200	300	5
Freon-113	ND		ug/l	12	3.5	5
Methyl cyclohexane	ND		ug/l	50	2.0	5

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-01 D
 Client ID: MW-1
 Sample Location: GOWANDA, NY

Date Collected: 11/18/21 14:20
 Date Received: 11/19/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	106		70-130

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-02
Client ID: MW-2
Sample Location: GOWANDA, NY

Date Collected: 11/18/21 14:45
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/30/21 19:27
Analyst: PD

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
1,3-Dichloropropene, Total	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

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-02
Client ID: MW-2
Sample Location: GOWANDA, NY

Date Collected: 11/18/21 14:45
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	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
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-02
Client ID: MW-2
Sample Location: GOWANDA, NY

Date Collected: 11/18/21 14:45
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	112		70-130

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-03
Client ID: MW-3
Sample Location: GOWANDA, NY

Date Collected: 11/18/21 14:00
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/30/21 19:07
Analyst: PD

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
1,3-Dichloropropene, Total	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

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-03
Client ID: MW-3
Sample Location: GOWANDA, NY

Date Collected: 11/18/21 14:00
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	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	1.5	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
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-03
Client ID: MW-3
Sample Location: GOWANDA, NY

Date Collected: 11/18/21 14:00
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	110		70-130

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-04
Client ID: MW-4
Sample Location: GOWANDA, NY

Date Collected: 11/19/21 07:46
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/30/21 20:25
Analyst: PD

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
1,3-Dichloropropene, Total	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

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-04
Client ID: MW-4
Sample Location: GOWANDA, NY

Date Collected: 11/19/21 07:46
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	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
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-04
Client ID: MW-4
Sample Location: GOWANDA, NY

Date Collected: 11/19/21 07:46
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	116		70-130

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-05
Client ID: MW-5
Sample Location: GOWANDA, NY

Date Collected: 11/19/21 08:12
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/02/21 21:52
Analyst: PD

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
1,3-Dichloropropene, Total	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	1.2		ug/l	0.50	0.18	1

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-05
Client ID: MW-5
Sample Location: GOWANDA, NY

Date Collected: 11/19/21 08:12
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	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	3.4	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
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-05
Client ID: MW-5
Sample Location: GOWANDA, NY

Date Collected: 11/19/21 08:12
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	116		70-130

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-06
Client ID: MW-6
Sample Location: GOWANDA, NY

Date Collected: 11/19/21 11:24
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/30/21 20:48
Analyst: PD

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
1,3-Dichloropropene, Total	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	51		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

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-06
Client ID: MW-6
Sample Location: GOWANDA, NY

Date Collected: 11/19/21 11:24
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	61		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	61		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	2.0	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
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-06
Client ID: MW-6
Sample Location: GOWANDA, NY

Date Collected: 11/19/21 11:24
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	115		70-130

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-07
Client ID: MW-7
Sample Location: GOWANDA, NY

Date Collected: 11/19/21 09:58
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/30/21 21:11
Analyst: PD

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
1,3-Dichloropropene, Total	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	0.44	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	0.71		ug/l	0.50	0.18	1

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-07
Client ID: MW-7
Sample Location: GOWANDA, NY

Date Collected: 11/19/21 09:58
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	28		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	28		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
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-07
Client ID: MW-7
Sample Location: GOWANDA, NY

Date Collected: 11/19/21 09:58
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	114		70-130

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-08
Client ID: MW-8
Sample Location: GOWANDA, NY

Date Collected: 11/18/21 15:38
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/30/21 18:47
Analyst: PD

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
1,3-Dichloropropene, Total	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

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-08
Client ID: MW-8
Sample Location: GOWANDA, NY

Date Collected: 11/18/21 15:38
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	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
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-08
Client ID: MW-8
Sample Location: GOWANDA, NY

Date Collected: 11/18/21 15:38
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	108		70-130

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-09
Client ID: MW-9
Sample Location: GOWANDA, NY

Date Collected: 11/18/21 16:01
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/30/21 18:27
Analyst: PD

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
1,3-Dichloropropene, Total	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

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-09
Client ID: MW-9
Sample Location: GOWANDA, NY

Date Collected: 11/18/21 16:01
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	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
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-09
Client ID: MW-9
Sample Location: GOWANDA, NY

Date Collected: 11/18/21 16:01
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	109		70-130

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-10
Client ID: MW-10
Sample Location: GOWANDA, NY

Date Collected: 11/18/21 15:22
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/30/21 21:34
Analyst: PD

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
1,3-Dichloropropene, Total	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

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-10
Client ID: MW-10
Sample Location: GOWANDA, NY

Date Collected: 11/18/21 15:22
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	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
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-10
Client ID: MW-10
Sample Location: GOWANDA, NY

Date Collected: 11/18/21 15:22
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	116		70-130

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-11 **D**
Client ID: MW-11
Sample Location: GOWANDA, NY

Date Collected: 11/18/21 13:07
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/01/21 02:11
Analyst: PD

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
1,3-Dichloropropene, Total	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	6.0		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	9.4		ug/l	6.2	1.8	2.5
Trichloroethene	310		ug/l	1.2	0.44	2.5

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-11 **D**
Client ID: MW-11
Sample Location: GOWANDA, NY

Date Collected: 11/18/21 13:07
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5
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
Xylenes, Total	ND		ug/l	6.2	1.8	2.5
cis-1,2-Dichloroethene	170		ug/l	6.2	1.8	2.5
1,2-Dichloroethene, Total	180		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
n-Butylbenzene	ND		ug/l	6.2	1.8	2.5
sec-Butylbenzene	ND		ug/l	6.2	1.8	2.5
tert-Butylbenzene	ND		ug/l	6.2	1.8	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
p-Isopropyltoluene	ND		ug/l	6.2	1.8	2.5
Naphthalene	ND		ug/l	6.2	1.8	2.5
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	6.2	1.8	2.5
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-11 D
Client ID: MW-11
Sample Location: GOWANDA, NY

Date Collected: 11/18/21 13:07
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	113		70-130

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-12
Client ID: MW-12
Sample Location: GOWANDA, NY

Date Collected: 11/18/21 12:27
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/30/21 21:57
Analyst: PD

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
1,3-Dichloropropene, Total	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	4.3		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.17	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	1.1	J	ug/l	2.5	0.70	1
Trichloroethene	20		ug/l	0.50	0.18	1

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-12
Client ID: MW-12
Sample Location: GOWANDA, NY

Date Collected: 11/18/21 12:27
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	100		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	100	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
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-12
Client ID: MW-12
Sample Location: GOWANDA, NY

Date Collected: 11/18/21 12:27
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	116		70-130

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-13
Client ID: MW-13
Sample Location: GOWANDA, NY

Date Collected: 11/18/21 12:45
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/30/21 22:21
Analyst: PD

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
1,3-Dichloropropene, Total	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	0.91		ug/l	0.50	0.18	1

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-13
Client ID: MW-13
Sample Location: GOWANDA, NY

Date Collected: 11/18/21 12:45
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	0.92	J	ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	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
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-13
Client ID: MW-13
Sample Location: GOWANDA, NY

Date Collected: 11/18/21 12:45
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	118		70-130

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-14
Client ID: MW-14
Sample Location: GOWANDA, NY

Date Collected: 11/18/21 11:02
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/30/21 22:44
Analyst: PD

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
1,3-Dichloropropene, Total	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	2.2		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	0.76	J	ug/l	2.5	0.70	1
Trichloroethene	9.9		ug/l	0.50	0.18	1

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-14
Client ID: MW-14
Sample Location: GOWANDA, NY

Date Collected: 11/18/21 11:02
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	79		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	80	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
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-14
Client ID: MW-14
Sample Location: GOWANDA, NY

Date Collected: 11/18/21 11:02
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	118		70-130

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-15
Client ID: MW-15
Sample Location: GOWANDA, NY

Date Collected: 11/18/21 10:15
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/30/21 23:07
Analyst: PD

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
1,3-Dichloropropene, Total	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	10		ug/l	0.50	0.18	1

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-15
Client ID: MW-15
Sample Location: GOWANDA, NY

Date Collected: 11/18/21 10:15
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	5.6		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	5.6		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
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-15
Client ID: MW-15
Sample Location: GOWANDA, NY

Date Collected: 11/18/21 10:15
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	117		70-130

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-16
Client ID: MW-16
Sample Location: GOWANDA, NY

Date Collected: 11/18/21 16:22
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/30/21 23:30
Analyst: PD

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
1,3-Dichloropropene, Total	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	0.34	J	ug/l	0.50	0.18	1

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-16
Client ID: MW-16
Sample Location: GOWANDA, NY

Date Collected: 11/18/21 16:22
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	31		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	31		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	1.0	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
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-16
Client ID: MW-16
Sample Location: GOWANDA, NY

Date Collected: 11/18/21 16:22
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	118		70-130

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-17
Client ID: MW-17
Sample Location: GOWANDA, NY

Date Collected: 11/19/21 11:05
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/30/21 23:53
Analyst: PD

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
1,3-Dichloropropene, Total	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	0.27	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	13		ug/l	0.50	0.18	1

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-17
Client ID: MW-17
Sample Location: GOWANDA, NY

Date Collected: 11/19/21 11:05
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	72		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	72		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
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-17
Client ID: MW-17
Sample Location: GOWANDA, NY

Date Collected: 11/19/21 11:05
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	118		70-130

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-18
Client ID: MW-18
Sample Location: GOWANDA, NY

Date Collected: 11/19/21 09:36
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/01/21 11:24
Analyst: PD

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
1,3-Dichloropropene, Total	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	0.12	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	1.2		ug/l	0.50	0.18	1

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-18
Client ID: MW-18
Sample Location: GOWANDA, NY

Date Collected: 11/19/21 09:36
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	5.1		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	5.1		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
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-18
Client ID: MW-18
Sample Location: GOWANDA, NY

Date Collected: 11/19/21 09:36
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	112		70-130

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-19
Client ID: MW-19R
Sample Location: GOWANDA, NY

Date Collected: 11/19/21 08:45
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/01/21 11:44
Analyst: PD

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	0.25	J	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
1,3-Dichloropropene, Total	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	0.29	J	ug/l	0.50	0.18	1

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-19
Client ID: MW-19R
Sample Location: GOWANDA, NY

Date Collected: 11/19/21 08:45
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	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
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-19
Client ID: MW-19R
Sample Location: GOWANDA, NY

Date Collected: 11/19/21 08:45
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	108		70-130

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-20
Client ID: MW-20
Sample Location: GOWANDA, NY

Date Collected: 11/19/21 08:01
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/01/21 12:04
Analyst: PD

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
1,3-Dichloropropene, Total	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

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-20
Client ID: MW-20
Sample Location: GOWANDA, NY

Date Collected: 11/19/21 08:01
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	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
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-20
Client ID: MW-20
Sample Location: GOWANDA, NY

Date Collected: 11/19/21 08:01
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	114		70-130

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-21
Client ID: MW-21
Sample Location: GOWANDA, NY

Date Collected: 11/19/21 09:04
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/01/21 12:25
Analyst: PD

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
1,3-Dichloropropene, Total	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	0.16	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	0.71	J	ug/l	2.5	0.70	1
Trichloroethene	1.4		ug/l	0.50	0.18	1

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-21
Client ID: MW-21
Sample Location: GOWANDA, NY

Date Collected: 11/19/21 09:04
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	13		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	14	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
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-21
Client ID: MW-21
Sample Location: GOWANDA, NY

Date Collected: 11/19/21 09:04
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	109		70-130

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-22 D
Client ID: DR-1
Sample Location: GOWANDA, NY

Date Collected: 11/18/21 13:36
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/01/21 03:21
Analyst: PD

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
1,3-Dichloropropene, Total	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	15		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	3.6	J	ug/l	6.2	1.8	2.5
Trichloroethene	450		ug/l	1.2	0.44	2.5

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-22 **D**
Client ID: DR-1
Sample Location: GOWANDA, NY

Date Collected: 11/18/21 13:36
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5
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
Xylenes, Total	ND		ug/l	6.2	1.8	2.5
cis-1,2-Dichloroethene	130		ug/l	6.2	1.8	2.5
1,2-Dichloroethene, Total	130	J	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
n-Butylbenzene	ND		ug/l	6.2	1.8	2.5
sec-Butylbenzene	ND		ug/l	6.2	1.8	2.5
tert-Butylbenzene	ND		ug/l	6.2	1.8	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
p-Isopropyltoluene	ND		ug/l	6.2	1.8	2.5
Naphthalene	ND		ug/l	6.2	1.8	2.5
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	6.2	1.8	2.5
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-22 D
Client ID: DR-1
Sample Location: GOWANDA, NY

Date Collected: 11/18/21 13:36
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	111		70-130

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-23
Client ID: DR-2
Sample Location: GOWANDA, NY

Date Collected: 11/18/21 12:10
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/01/21 00:15
Analyst: PD

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
1,3-Dichloropropene, Total	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	6.7		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.43	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	1.6	J	ug/l	2.5	0.70	1
Trichloroethene	63		ug/l	0.50	0.18	1

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-23
Client ID: DR-2
Sample Location: GOWANDA, NY

Date Collected: 11/18/21 12:10
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	180		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	180	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
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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	0.44	J	ug/l	10	0.40	1

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-23
Client ID: DR-2
Sample Location: GOWANDA, NY

Date Collected: 11/18/21 12:10
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	117		70-130

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-24
Client ID: DR-3
Sample Location: GOWANDA, NY

Date Collected: 11/18/21 11:35
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/01/21 00:39
Analyst: PD

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
1,3-Dichloropropene, Total	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	2.9		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.17	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	0.98	J	ug/l	2.5	0.70	1
Trichloroethene	23		ug/l	0.50	0.18	1

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-24
Client ID: DR-3
Sample Location: GOWANDA, NY

Date Collected: 11/18/21 11:35
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	68		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	69	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
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-24
Client ID: DR-3
Sample Location: GOWANDA, NY

Date Collected: 11/18/21 11:35
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	117		70-130

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-25
Client ID: DR-4
Sample Location: GOWANDA, NY

Date Collected: 11/18/21 10:46
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/01/21 01:02
Analyst: PD

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
1,3-Dichloropropene, Total	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	27		ug/l	0.50	0.18	1

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-25
Client ID: DR-4
Sample Location: GOWANDA, NY

Date Collected: 11/18/21 10:46
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	7.6		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	7.6		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
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-25
Client ID: DR-4
Sample Location: GOWANDA, NY

Date Collected: 11/18/21 10:46
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	116		70-130

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-26
Client ID: G-1
Sample Location: GOWANDA, NY

Date Collected: 11/18/21 09:56
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/01/21 01:25
Analyst: PD

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
1,3-Dichloropropene, Total	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	0.68	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	11		ug/l	0.50	0.18	1

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-26
Client ID: G-1
Sample Location: GOWANDA, NY

Date Collected: 11/18/21 09:56
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	42		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	42		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
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-26
Client ID: G-1
Sample Location: GOWANDA, NY

Date Collected: 11/18/21 09:56
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	116		70-130

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-27
Client ID: G-2
Sample Location: GOWANDA, NY

Date Collected: 11/18/21 09:20
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/01/21 01:48
Analyst: PD

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
1,3-Dichloropropene, Total	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	0.93	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	0.74		ug/l	0.50	0.18	1

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-27
Client ID: G-2
Sample Location: GOWANDA, NY

Date Collected: 11/18/21 09:20
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	51		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	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
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-27
Client ID: G-2
Sample Location: GOWANDA, NY

Date Collected: 11/18/21 09:20
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	115		70-130

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-28
Client ID: G-3
Sample Location: GOWANDA, NY

Date Collected: 11/19/21 10:42
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/01/21 12:45
Analyst: PD

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
1,3-Dichloropropene, Total	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	0.50	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	1.3	J	ug/l	2.5	0.70	1
Trichloroethene	24		ug/l	0.50	0.18	1

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-28
Client ID: G-3
Sample Location: GOWANDA, NY

Date Collected: 11/19/21 10:42
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	160		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	160	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
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-28
Client ID: G-3
Sample Location: GOWANDA, NY

Date Collected: 11/19/21 10:42
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	111		70-130

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-29
Client ID: EQUIPMENT BLANK
Sample Location: GOWANDA, NY

Date Collected: 11/19/21 11:30
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/01/21 13:05
Analyst: PD

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
1,3-Dichloropropene, Total	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

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-29
Client ID: EQUIPMENT BLANK
Sample Location: GOWANDA, NY

Date Collected: 11/19/21 11:30
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	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
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-29
Client ID: EQUIPMENT BLANK
Sample Location: GOWANDA, NY

Date Collected: 11/19/21 11:30
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	113		70-130

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-30
Client ID: MW-X
Sample Location: GOWANDA, NY

Date Collected: 11/19/21 00:00
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/02/21 22:15
Analyst: PD

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
1,3-Dichloropropene, Total	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	0.30	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	1.3		ug/l	0.50	0.18	1

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-30
Client ID: MW-X
Sample Location: GOWANDA, NY

Date Collected: 11/19/21 00:00
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	4.9		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	4.9		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
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2164375-30
Client ID: MW-X
Sample Location: GOWANDA, NY

Date Collected: 11/19/21 00:00
Date Received: 11/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	115		70-130

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/30/21 19:38
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04,06-07,10-17,22-27 Batch: WG1577775-5					
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
1,3-Dichloropropene, Total	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

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/30/21 19:38
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04,06-07,10-17,22-27 Batch: WG1577775-5					
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
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
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	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
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/30/21 19:38
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04,06-07,10-17,22-27 Batch: WG1577775-5					
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

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	114		70-130

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/30/21 18:06
 Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,08-09 Batch: WG1577802-5					
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
1,3-Dichloropropene, Total	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

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/30/21 18:06
 Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,08-09 Batch: WG1577802-5					
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
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
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	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
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/30/21 18:06
 Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,08-09 Batch: WG1577802-5					
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

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	110		70-130

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 12/01/21 08:43
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 18-21,28-29 Batch: WG1578292-5					
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
1,3-Dichloropropene, Total	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

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 12/01/21 08:43
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 18-21,28-29 Batch: WG1578292-5					
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
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
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	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
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 12/01/21 08:43
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 18-21,28-29 Batch: WG1578292-5					
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

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	107		70-130

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 12/02/21 18:23
 Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05,30 Batch: WG1578855-5					
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
1,3-Dichloropropene, Total	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

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 12/02/21 18:23
 Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05,30 Batch: WG1578855-5					
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
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
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	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
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70

Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 12/02/21 18:23
 Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05,30 Batch: WG1578855-5					
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

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	114		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: GOWANDA DAY HABITATION Q4 2021

Project Number: 14263.08

Lab Number: L2164375

Report Date: 12/07/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04,06-07,10-17,22-27 Batch: WG1577775-3 WG1577775-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	120		120		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	92		91		63-132	1		20
1,2-Dichloropropane	110		120		70-130	9		20
Dibromochloromethane	93		99		63-130	6		20
1,1,2-Trichloroethane	94		100		70-130	6		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	110		110		75-130	0		20
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	97		96		67-130	1		20
Bromodichloromethane	95		96		67-130	1		20
trans-1,3-Dichloropropene	84		89		70-130	6		20
cis-1,3-Dichloropropene	90		94		70-130	4		20
Bromoform	83		91		54-136	9		20
1,1,2,2-Tetrachloroethane	94		100		67-130	6		20
Benzene	100		100		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	140	Q	130		64-130	7		20
Bromomethane	60		60		39-139	0		20
Vinyl chloride	130		120		55-140	8		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GOWANDA DAY HABITATION Q4 2021

Project Number: 14263.08

Lab Number: L2164375

Report Date: 12/07/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04,06-07,10-17,22-27 Batch: WG1577775-3 WG1577775-4								
Chloroethane	120		120		55-138	0		20
1,1-Dichloroethene	110		110		61-145	0		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	100		98		70-130	2		20
1,2-Dichlorobenzene	97		99		70-130	2		20
1,3-Dichlorobenzene	100		98		70-130	2		20
1,4-Dichlorobenzene	98		98		70-130	0		20
Methyl tert butyl ether	87		98		63-130	12		20
p/m-Xylene	105		100		70-130	5		20
o-Xylene	105		100		70-130	5		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Styrene	105		105		70-130	0		20
Dichlorodifluoromethane	100		98		36-147	2		20
Acetone	140		160	Q	58-148	13		20
Carbon disulfide	110		110		51-130	0		20
2-Butanone	110		130		63-138	17		20
4-Methyl-2-pentanone	84		100		59-130	17		20
2-Hexanone	97		120		57-130	21	Q	20
Bromochloromethane	110		110		70-130	0		20
1,2-Dibromoethane	92		98		70-130	6		20
n-Butylbenzene	100		99		53-136	1		20
sec-Butylbenzene	100		99		70-130	1		20
tert-Butylbenzene	98		97		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GOWANDA DAY HABITATION Q4 2021

Project Number: 14263.08

Lab Number: L2164375

Report Date: 12/07/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04,06-07,10-17,22-27 Batch: WG1577775-3 WG1577775-4								
1,2-Dibromo-3-chloropropane	80		91		41-144	13		20
Isopropylbenzene	100		99		70-130	1		20
p-Isopropyltoluene	97		96		70-130	1		20
Naphthalene	77		91		70-130	17		20
n-Propylbenzene	100		100		69-130	0		20
1,2,3-Trichlorobenzene	83		94		70-130	12		20
1,2,4-Trichlorobenzene	86		92		70-130	7		20
1,3,5-Trimethylbenzene	95		94		64-130	1		20
1,2,4-Trimethylbenzene	95		95		70-130	0		20
Methyl Acetate	100		120		70-130	18		20
Cyclohexane	130		130		70-130	0		20
1,4-Dioxane	78		88		56-162	12		20
Freon-113	110		110		70-130	0		20
Methyl cyclohexane	96		98		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	109		112		70-130
Toluene-d8	103		103		70-130
4-Bromofluorobenzene	96		95		70-130
Dibromofluoromethane	107		109		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: GOWANDA DAY HABITATION Q4 2021

Project Number: 14263.08

Lab Number: L2164375

Report Date: 12/07/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,08-09 Batch: WG1577802-3 WG1577802-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	97		100		70-130	3		20
Dibromochloromethane	100		110		63-130	10		20
1,1,2-Trichloroethane	93		94		70-130	1		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	99		99		75-130	0		20
Trichlorofluoromethane	110		120		62-150	9		20
1,2-Dichloroethane	100		99		70-130	1		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	85		87		70-130	2		20
cis-1,3-Dichloropropene	95		95		70-130	0		20
Bromoform	99		100		54-136	1		20
1,1,2,2-Tetrachloroethane	86		86		67-130	0		20
Benzene	100		100		70-130	0		20
Toluene	97		98		70-130	1		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	110		110		64-130	0		20
Bromomethane	110		110		39-139	0		20
Vinyl chloride	100		98		55-140	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GOWANDA DAY HABITATION Q4 2021

Project Number: 14263.08

Lab Number: L2164375

Report Date: 12/07/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,08-09 Batch: WG1577802-3 WG1577802-4								
Chloroethane	110		120		55-138	9		20
1,1-Dichloroethene	100		100		61-145	0		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	100		100		70-130	0		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	88		98		63-130	11		20
p/m-Xylene	105		110		70-130	5		20
o-Xylene	105		105		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Styrene	110		110		70-130	0		20
Dichlorodifluoromethane	110		120		36-147	9		20
Acetone	130		140		58-148	7		20
Carbon disulfide	100		100		51-130	0		20
2-Butanone	83		100		63-138	19		20
4-Methyl-2-pentanone	67		79		59-130	16		20
2-Hexanone	76		90		57-130	17		20
Bromochloromethane	110		110		70-130	0		20
1,2-Dibromoethane	90		96		70-130	6		20
n-Butylbenzene	92		92		53-136	0		20
sec-Butylbenzene	99		97		70-130	2		20
tert-Butylbenzene	100		99		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GOWANDA DAY HABITATION Q4 2021

Project Number: 14263.08

Lab Number: L2164375

Report Date: 12/07/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,08-09 Batch: WG1577802-3 WG1577802-4								
1,2-Dibromo-3-chloropropane	92		94		41-144	2		20
Isopropylbenzene	99		98		70-130	1		20
p-Isopropyltoluene	99		97		70-130	2		20
Naphthalene	87		92		70-130	6		20
n-Propylbenzene	96		94		69-130	2		20
1,2,3-Trichlorobenzene	93		99		70-130	6		20
1,2,4-Trichlorobenzene	99		98		70-130	1		20
1,3,5-Trimethylbenzene	100		98		64-130	2		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20
Methyl Acetate	75		88		70-130	16		20
Cyclohexane	89		97		70-130	9		20
1,4-Dioxane	104		112		56-162	7		20
Freon-113	110		120		70-130	9		20
Methyl cyclohexane	87		96		70-130	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		103		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	91		91		70-130
Dibromofluoromethane	104		105		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: GOWANDA DAY HABITATION Q4 2021

Project Number: 14263.08

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Report Date: 12/07/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 18-21,28-29 Batch: WG1578292-3 WG1578292-4								
Methylene chloride	99		100		70-130	1		20
1,1-Dichloroethane	100		110		70-130	10		20
Chloroform	100		110		70-130	10		20
Carbon tetrachloride	100		110		63-132	10		20
1,2-Dichloropropane	95		100		70-130	5		20
Dibromochloromethane	96		100		63-130	4		20
1,1,2-Trichloroethane	87		94		70-130	8		20
Tetrachloroethene	110		120		70-130	9		20
Chlorobenzene	97		100		75-130	3		20
Trichlorofluoromethane	120		120		62-150	0		20
1,2-Dichloroethane	89		100		70-130	12		20
1,1,1-Trichloroethane	99		110		67-130	11		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	82		90		70-130	9		20
cis-1,3-Dichloropropene	92		98		70-130	6		20
Bromoform	98		110		54-136	12		20
1,1,2,2-Tetrachloroethane	87		96		67-130	10		20
Benzene	98		110		70-130	12		20
Toluene	96		100		70-130	4		20
Ethylbenzene	99		100		70-130	1		20
Chloromethane	110		120		64-130	9		20
Bromomethane	100		100		39-139	0		20
Vinyl chloride	100		110		55-140	10		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GOWANDA DAY HABITATION Q4 2021

Project Number: 14263.08

Lab Number: L2164375

Report Date: 12/07/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 18-21,28-29 Batch: WG1578292-3 WG1578292-4								
Chloroethane	120		130		55-138	8		20
1,1-Dichloroethene	100		100		61-145	0		20
trans-1,2-Dichloroethene	100		110		70-130	10		20
Trichloroethene	94		100		70-130	6		20
1,2-Dichlorobenzene	97		100		70-130	3		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	80		93		63-130	15		20
p/m-Xylene	110		110		70-130	0		20
o-Xylene	105		110		70-130	5		20
cis-1,2-Dichloroethene	100		110		70-130	10		20
Styrene	110		115		70-130	4		20
Dichlorodifluoromethane	120		120		36-147	0		20
Acetone	79		98		58-148	21	Q	20
Carbon disulfide	100		110		51-130	10		20
2-Butanone	67		75		63-138	11		20
4-Methyl-2-pentanone	61		72		59-130	17		20
2-Hexanone	66		74		57-130	11		20
Bromochloromethane	100		110		70-130	10		20
1,2-Dibromoethane	92		94		70-130	2		20
n-Butylbenzene	94		100		53-136	6		20
sec-Butylbenzene	100		110		70-130	10		20
tert-Butylbenzene	100		110		70-130	10		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: GOWANDA DAY HABITATION Q4 2021

Lab Number: L2164375

Project Number: 14263.08

Report Date: 12/07/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 18-21,28-29 Batch: WG1578292-3 WG1578292-4								
1,2-Dibromo-3-chloropropane	88		97		41-144	10		20
Isopropylbenzene	100		110		70-130	10		20
p-Isopropyltoluene	98		100		70-130	2		20
Naphthalene	82		89		70-130	8		20
n-Propylbenzene	97		100		69-130	3		20
1,2,3-Trichlorobenzene	91		97		70-130	6		20
1,2,4-Trichlorobenzene	99		100		70-130	1		20
1,3,5-Trimethylbenzene	99		110		64-130	11		20
1,2,4-Trimethylbenzene	99		100		70-130	1		20
Methyl Acetate	68	Q	80		70-130	16		20
Cyclohexane	92		100		70-130	8		20
1,4-Dioxane	102		108		56-162	6		20
Freon-113	110		120		70-130	9		20
Methyl cyclohexane	90		100		70-130	11		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		101		70-130
Toluene-d8	98		97		70-130
4-Bromofluorobenzene	95		91		70-130
Dibromofluoromethane	108		102		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: GOWANDA DAY HABITATION Q4 2021

Project Number: 14263.08

Lab Number: L2164375

Report Date: 12/07/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05,30 Batch: WG1578855-3 WG1578855-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	120		110		70-130	9		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	94		93		63-132	1		20
1,2-Dichloropropane	120		120		70-130	0		20
Dibromochloromethane	100		100		63-130	0		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	110		100		75-130	10		20
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	97		96		67-130	1		20
Bromodichloromethane	96		94		67-130	2		20
trans-1,3-Dichloropropene	90		91		70-130	1		20
cis-1,3-Dichloropropene	94		93		70-130	1		20
Bromoform	89		92		54-136	3		20
1,1,2,2-Tetrachloroethane	100		110		67-130	10		20
Benzene	100		100		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	120		120		64-130	0		20
Bromomethane	53		52		39-139	2		20
Vinyl chloride	120		120		55-140	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GOWANDA DAY HABITATION Q4 2021

Project Number: 14263.08

Lab Number: L2164375

Report Date: 12/07/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05,30 Batch: WG1578855-3 WG1578855-4								
Chloroethane	120		110		55-138	9		20
1,1-Dichloroethene	110		110		61-145	0		20
trans-1,2-Dichloroethene	100		99		70-130	1		20
Trichloroethene	100		100		70-130	0		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	98		100		63-130	2		20
p/m-Xylene	105		100		70-130	5		20
o-Xylene	105		100		70-130	5		20
cis-1,2-Dichloroethene	100		99		70-130	1		20
Styrene	105		105		70-130	0		20
Dichlorodifluoromethane	95		92		36-147	3		20
Acetone	120		150	Q	58-148	22	Q	20
Carbon disulfide	110		110		51-130	0		20
2-Butanone	120		140	Q	63-138	15		20
4-Methyl-2-pentanone	100		110		59-130	10		20
2-Hexanone	110		120		57-130	9		20
Bromochloromethane	110		100		70-130	10		20
1,2-Dibromoethane	100		100		70-130	0		20
n-Butylbenzene	100		100		53-136	0		20
sec-Butylbenzene	100		100		70-130	0		20
tert-Butylbenzene	100		98		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GOWANDA DAY HABITATION Q4 2021

Project Number: 14263.08

Lab Number: L2164375

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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): 05,30 Batch: WG1578855-3 WG1578855-4								
1,2-Dibromo-3-chloropropane	91		95		41-144	4		20
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	99		97		70-130	2		20
Naphthalene	98		100		70-130	2		20
n-Propylbenzene	110		100		69-130	10		20
1,2,3-Trichlorobenzene	100		98		70-130	2		20
1,2,4-Trichlorobenzene	95		96		70-130	1		20
1,3,5-Trimethylbenzene	97		96		64-130	1		20
1,2,4-Trimethylbenzene	96		96		70-130	0		20
Methyl Acetate	120		130		70-130	8		20
Cyclohexane	130		130		70-130	0		20
1,4-Dioxane	118		114		56-162	3		20
Freon-113	110		110		70-130	0		20
Methyl cyclohexane	100		98		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	109		111		70-130
Toluene-d8	105		104		70-130
4-Bromofluorobenzene	97		96		70-130
Dibromofluoromethane	104		104		70-130

Project Name: GOWANDA DAY HABITATION Q4 2021**Lab Number:** L2164375**Project Number:** 14263.08**Report Date:** 12/07/21**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(*)
L2164375-01A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-01B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-01C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-02A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-02B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-02C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-03A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-03B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-03C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-04A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-04B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-04C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-05A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-05B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-05C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-06A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-06B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-06C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-07A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-07B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-07C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-08A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-08B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)

Project Name: GOWANDA DAY HABITATION Q4 2021**Lab Number:** L2164375**Project Number:** 14263.08**Report Date:** 12/07/21**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2164375-08C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-09A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-09B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-09C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-10A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-10B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-10C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-11A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-11B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-11C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-12A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-12B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-12C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-13A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-13B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-13C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-14A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-14B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-14C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-15A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-15B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-15C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-16A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-16B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-16C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-17A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-17B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-17C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)

Project Name: GOWANDA DAY HABITATION Q4 2021**Lab Number:** L2164375**Project Number:** 14263.08**Report Date:** 12/07/21**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2164375-18A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-18B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-18C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-19A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-19B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-19C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-20A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-20B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-20C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-21A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-21B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-21C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-22A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-22B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-22C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-23A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-23B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-23C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-24A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-24B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-24C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-25A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-25B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-25C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-26A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-26B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-26C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-27A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)

Project Name: GOWANDA DAY HABITATION Q4 2021**Lab Number:** L2164375**Project Number:** 14263.08**Report Date:** 12/07/21**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2164375-27B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-27C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-28A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-28B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-28C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-29A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-29B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-29C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-30A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-30B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-30C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2164375-31A	Vial HCl preserved	A	NA		3.1	Y	Absent		ARCHIVE()
L2164375-31B	Vial HCl preserved	A	NA		3.1	Y	Absent		ARCHIVE()

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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: GOWANDA DAY HABITATION Q4 2021
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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.

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'.

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.

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.)

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 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.

Report Format: DU Report with 'J' Qualifiers



Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
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Data Qualifiers

- 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.)

Report Format: DU Report with 'J' Qualifiers



Project Name: GOWANDA DAY HABITATION Q4 2021
Project Number: 14263.08

Lab Number: L2164375
Report Date: 12/07/21

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.



Alpha Analytical, Inc.

ID No.:17873

Facility: **Company-wide**

Revision 19

Department: **Quality Assurance**

Published Date: 4/2/2021 1:14:23 PM

Title: **Certificate/Approval Program Summary**

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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, SM4500CI-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.

L2164375

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 NEW YORK CHAIN OF CUSTODY 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 3		Date Rec'd in Lab 11/20/21		ALPHA Job # L2164375																																																																																																																																																																																																																													
		Project Information Project Name: <u>Gowanus Day Habitation Q4 2021</u> Project Location: <u>Gowanus, NY</u> Project # <u>1426308</u> (Use Project name as Project #) <input type="checkbox"/>		Deliverables <input type="checkbox"/> ASP-A <input type="checkbox"/> ASP-B <input type="checkbox"/> EQuIS (1 File) <input checked="" type="checkbox"/> EQuIS (4 File) <input type="checkbox"/> Other		Billing Information <input type="checkbox"/> Same as Client Info PO #																																																																																																																																																																																																																															
Client Information Client: <u>Bergmann</u> Address: <u>280 E. 6th St #200</u> <u>Brooklyn, NY 11201</u> Phone: <u>585-232-5135</u> Fax: <u></u> Email: <u>Acheronelt@Bergmann.com</u>		Project Manager: <u>Anna Cherechelt</u> ALPHAQuote #: Turn-Around Time Standard <input checked="" type="checkbox"/> Due Date: Rush (only if pre approved) <input type="checkbox"/> # of Days:		Regulatory Requirement <input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities: Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other:																																																																																																																																																																																																																															
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Client Information Client: <u>Beymann</u> Address: <u>780 Forbes Street #200</u> <u>Amherst, NY 14601</u> Phone: <u>585-732-3135</u> Fax: Email: <u>Adrienne.Letterto.Beymann@Beymann.com</u>		Project Information Project Name: <u>Connaught Day Habitation Q4 2021</u> Project Location: <u>Connaught, NY</u> Project # <u>19263.08</u> (Use Project name as Project #) <input type="checkbox"/> Project Manager: <u>Adrienne Letterto</u> ALPHAQuote #: Turn-Around Time Standard <input checked="" type="checkbox"/> Rush (only if pre approved) <input type="checkbox"/> Due Date: # of Days:		Deliverables <input type="checkbox"/> ASP-A <input type="checkbox"/> ASP-B <input type="checkbox"/> EQUIS (1 File) <input checked="" type="checkbox"/> EQUIS (4 File) <input type="checkbox"/> Other		Billing Information <input type="checkbox"/> Same as Client Info PO #		Regulatory Requirement <input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge					
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ALPHA Lab ID (Lab Use Only)		Sample ID		Collection Date Time		Sample Matrix		Sampler's Initials		NY TEL-8260		Sample Specific Comments	
64375-21		MW-21		11/19/21 0904		GW		JL		X			
-22		DR-1		11/18/21 1336		GW		JL		X			
-23		DR-2		11/18/21 1210		GW		JL		X			
-24		DR-3		11/18/21 1135		GW		JL		X			
-25		DR-4		11/18/21 1046		GW		JL		X			
-26		G-1		11/18/21 09:56		GW		JL		X			
-27		G-2		11/18/21 0920		GW		JL		X			
-28		G-3		11/19/21 1042		GW		JL		X			
-29		Equipment Blank		11/19/21 1130		GW		JL		X			
-30		MW-X		11/-/21 -		GW		JL		X			
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Relinquished By: <u>Joe</u>		Date/Time: <u>11/19/21 12:45</u>		Received By: <u>Jordan F. Coyle (AAC)</u>		Date/Time: <u>11/19/21 12:45</u>		Date/Time: <u>11/20/21 12:50</u>					



BERGMANN
ARCHITECTS ENGINEERS PLANNERS

FIELD FORMS

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q4 2021
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 11/18/2021
Weather: 48 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 5.1
Depth to bottom of the well: 16.02
Length of water column in well: 10.92

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

Volume of water in well casing, gallons: 1.78
3 Well volumes (= length water column X gal/foot X 3): 5.34
Actual volume purged prior to sampling: 5.5
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis: _____

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
<i>Turbidity</i>	1086.6	NTU								
<i>Temperature</i>	11.5	°C								
<i>pH</i>	6.82									
<i>Conductivity</i>	0.633	SPC ms/cm								
<i>Oxygen</i>	5.04	DO mg/L								
<i>Salinity</i>										

Time sample was collected: 14:20

COMMENTS _____

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q4 2021
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 11/18/2021
Weather: 48 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 4.9
Depth to bottom of the well: 17.15
Length of water column in well: 12.25

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

Volume of water in well casing, gallons: 2.00
3 Well volumes (= length water column X gal/foot X 3): 5.99
Actual volume purged prior to sampling: 6
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis: _____

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
<i>Turbidity</i>	490.29	NTU								
<i>Temperature</i>	10.7	°C								
<i>pH</i>	6.83									
<i>Conductivity</i>	0.22	SPC ms/cm								
<i>Oxygen</i>	5.66	DO mg/L								
<i>Salinity</i>										

Time sample was collected: 14:45

COMMENTS _____

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q4 2021
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 11/18/2021
Weather: 48 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 5.35
Depth to bottom of the well: 16.30
Length of water column in well: 10.95

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

Volume of water in well casing, gallons: 1.8
3 Well volumes (= length water column X gal/foot X 3): 5.35
Actual volume purged prior to sampling: 5.5
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis: _____

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
<i>Turbidity</i>	976.24	NTU								
<i>Temperature</i>	12.6	°C								
<i>pH</i>	6.64									
<i>Conductivity</i>	0.072	SPC ms/cm								
<i>Oxygen</i>	6.17	DO mg/L								
<i>Salinity</i>										

Time sample was collected: 14:00

COMMENTS _____

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q4 2021
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 11/19/2021
Weather: 45 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 6.6
Depth to bottom of the well: 15.78
Length of water column in well: 9.18

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

Volume of water in well casing, gallons: 1.4963
3 Well volumes (= length water column X gal/foot X 3): 4.489
Actual volume purged prior to sampling: 4.5
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis: _____

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
<i>Turbidity</i>	168.56	NTU								
<i>Temperature</i>	16.8	°C								
<i>pH</i>	6.72									
<i>Conductivity</i>	0.001	SPC ms/cm								
<i>Oxygen</i>	8.46	DO mg/L								
<i>Salinity</i>										

Time sample was collected: 7:46

COMMENTS _____

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q4 2021
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 11/19/2021
Weather: 45 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 10.3
Depth to bottom of the well: 13.95
Length of water column in well: 3.65

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

Volume of water in well casing, gallons: 0.59
3 Well volumes (= length water column X gal/foot X 3): 1.78
Actual volume purged prior to sampling: 2.0
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis: _____

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
<i>Turbidity</i>	1670.5	NTU								
<i>Temperature</i>	11.8	°C								
<i>pH</i>	6.67									
<i>Conductivity</i>	0.01	SPC ms/cm								
<i>Oxygen</i>	4.83	DO mg/L								
<i>Salinity</i>										

Time sample was collected: 8:12

COMMENTS _____

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q4 2021
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 11/19/2021
Weather: 45 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 12.92
Depth to bottom of the well: 22.88
Length of water column in well: 9.96

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

Volume of water in well casing, gallons: 1.62
3 Well volumes (= length water column X gal/foot X 3): 4.87
Actual volume purged prior to sampling: 5.0
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis: _____

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
<i>Turbidity</i>	2233.9	NTU								
<i>Temperature</i>	3.8	°C								
<i>pH</i>	7.78									
<i>Conductivity</i>	0.005	SPC ms/cm								
<i>Oxygen</i>	71.7	DO mg/L								
<i>Salinity</i>										

Time sample was collected: 11:24

COMMENTS _____

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q4 2021
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 11/19/2021
Weather: 45 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 12.95
Depth to bottom of the well: 21.8
Length of water column in well: 8.85

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

Volume of water in well casing, gallons: 1.4
3 Well volumes (= length water column X gal/foot X 3): 4.33
Actual volume purged prior to sampling: 4.33
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis: _____

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
<i>Turbidity</i>	3415	NTU								
<i>Temperature</i>	8.3	°C								
<i>pH</i>	7.67									
<i>Conductivity</i>	0.011	SPC ms/cm								
<i>Oxygen</i>	8.92	DO mg/L								
<i>Salinity</i>										

Time sample was collected: 9:58

COMMENTS _____

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q4 2021
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 11/18/2021
Weather: 48 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 8.8
Depth to bottom of the well: 17.65
Length of water column in well: 8.85

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

Volume of water in well casing, gallons: 1.44
3 Well volumes (= length water column X gal/foot X 3): 4.328
Actual volume purged prior to sampling: 4.5
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis: _____

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
<i>Turbidity</i>	4493.3	NTU								
<i>Temperature</i>	11.2	°C								
<i>pH</i>	7.02									
<i>Conductivity</i>	0.938	SPC ms/cm								
<i>Oxygen</i>	5.17	DO mg/L								
<i>Salinity</i>										

Time sample was collected: 15:38

COMMENTS _____

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q4 2021
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 11/18/2021
Weather: 48 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 8.25
Depth to bottom of the well: 20.96
Length of water column in well: 12.71

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

Volume of water in well casing, gallons: 2.07
3 Well volumes (= length water column X gal/foot X 3): 6.215
Actual volume purged prior to sampling: 6.25
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis: _____

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
<i>Turbidity</i>	3531.6	NTU								
<i>Temperature</i>	10.2	°C								
<i>pH</i>	6.92									
<i>Conductivity</i>	1.47	SPC ms/cm								
<i>Oxygen</i>	41.2	DO mg/L								
<i>Salinity</i>										

Time sample was collected: 16:01

COMMENTS _____

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q4 2021
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 11/18/2021
Weather: 48 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 6
Depth to bottom of the well: 19.44
Length of water column in well: 13.44

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

Volume of water in well casing, gallons: 2.2
3 Well volumes (= length water column X gal/foot X 3): 6.57
Actual volume purged prior to sampling: 6.66
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis: _____

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
<i>Turbidity</i>	4052.6	NTU								
<i>Temperature</i>	10.2	°C								
<i>pH</i>	6.76									
<i>Conductivity</i>	0.614	SPC ms/cm								
<i>Oxygen</i>	5.17	DO mg/L								
<i>Salinity</i>										

Time sample was collected: 15:22

COMMENTS _____

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q4 2021
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 11/18/2021
Weather: 48 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 5.5
Depth to bottom of the well: 15.48
Length of water column in well: 9.98

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

Volume of water in well casing, gallons: 1.6267
3 Well volumes (= length water column X gal/foot X 3): 4.8802
Actual volume purged prior to sampling: 5.0
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis: _____

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
<i>Turbidity</i>	3242.6	NTU								
<i>Temperature</i>	14.0	°C								
<i>pH</i>	7.16									
<i>Conductivity</i>	0.687	SPC ms/cm								
<i>Oxygen</i>	2.49	DO mg/L								
<i>Salinity</i>										

Time sample was collected: 13:07

COMMENTS _____

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q4 2021
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 11/18/2021
Weather: 66 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 6.3
Depth to bottom of the well: 17.38
Length of water column in well: 11.08

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

Volume of water in well casing, gallons: 1.81
3 Well volumes (= length water column X gal/foot X 3): 5.42
Actual volume purged prior to sampling: 5.5
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis: _____

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
<i>Turbidity</i>	126.78	NTU								
<i>Temperature</i>	13.3	°C								
<i>pH</i>	7.67									
<i>Conductivity</i>	0.004	SPC ms/cm								
<i>Oxygen</i>	8.34	DO mg/L								
<i>Salinity</i>										

Time sample was collected: 12:27

COMMENTS _____

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q4 2021
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 11/18/2021
Weather: 48 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 6.6
Depth to bottom of the well: 17.40
Length of water column in well: 10.80

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

Volume of water in well casing, gallons: 1.7604
3 Well volumes (= length water column X gal/foot X 3): 5.2812
Actual volume purged prior to sampling: 5.33
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis: _____

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
<i>Turbidity</i>	1977.98	NTU								
<i>Temperature</i>	14.8	°C								
<i>pH</i>	7.12									
<i>Conductivity</i>	0.249	SPC ms/cm								
<i>Oxygen</i>	5.08	DO mg/L								
<i>Salinity</i>										

Time sample was collected: 12:45

COMMENTS _____

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q4 2021
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 11/18/2021
Weather: 48 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 10.3
Depth to bottom of the well: 18.15
Length of water column in well: 7.85

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

Volume of water in well casing, gallons: 1.28
3 Well volumes (= length water column X gal/foot X 3): 3.84
Actual volume purged prior to sampling: 4
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis: _____

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
<i>Turbidity</i>	355.72	NTU								
<i>Temperature</i>	12.9	°C								
<i>pH</i>	7.47									
<i>Conductivity</i>	0.001	SPC ms/cm								
<i>Oxygen</i>	8.22	DO mg/L								
<i>Salinity</i>										

Time sample was collected: 11:02

COMMENTS _____

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q4 2021
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 11/18/2021
Weather: 48 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 10.25
Depth to bottom of the well: 19.80
Length of water column in well: 9.55

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

Volume of water in well casing, gallons: 1.5567
3 Well volumes (= length water column X gal/foot X 3): 4.67
Actual volume purged prior to sampling: 4.75
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? _____
Required Analysis: _____

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
<i>Turbidity</i>	3226.3	NTU								
<i>Temperature</i>	13.4	°C								
<i>pH</i>	7.07									
<i>Conductivity</i>	0.598	SPC ms/cm								
<i>Oxygen</i>	2.57	DO mg/L								
<i>Salinity</i>										

Time sample was collected: 10:15

COMMENTS _____

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q4 2021
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 11/18/2021
Weather: 48 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 12.6
Depth to bottom of the well: 23.26
Length of water column in well: 10.66

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

Volume of water in well casing, gallons: 1.7376
3 Well volumes (= length water column X gal/foot X 3): 5.2127
Actual volume purged prior to sampling: 5.25
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis: _____

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
<i>Turbidity</i>	3060.5	NTU								
<i>Temperature</i>	11.9	°C								
<i>pH</i>	7.13									
<i>Conductivity</i>	0.659	SPC ms/cm								
<i>Oxygen</i>	4.18	DO mg/L								
<i>Salinity</i>										

Time sample was collected: 16:22

COMMENTS _____

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q4 2021
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 11/19/2021
Weather: 72 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 12.8
Depth to bottom of the well: 25.18
Length of water column in well: 12.38

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

Volume of water in well casing, gallons: 2.0179
3 Well volumes (= length water column X gal/foot X 3): 6.0538
Actual volume purged prior to sampling: 6.25
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis: _____

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
<i>Turbidity</i>	60.85	NTU								
<i>Temperature</i>	9.1	°C								
<i>pH</i>	7.16									
<i>Conductivity</i>	0.505	SPC ms/cm								
<i>Oxygen</i>	8.85	DO mg/L								
<i>Salinity</i>										

Time sample was collected: 11:05

COMMENTS _____

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q4 2021
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 11/19/2021
Weather: 48 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 8.6
Depth to bottom of the well: 25.0
Length of water column in well: 16.4

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

Volume of water in well casing, gallons: 2.6732
3 Well volumes (= length water column X gal/foot X 3): 8.02
Actual volume purged prior to sampling: 8.25
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? _____
Required Analysis: _____

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
<i>Turbidity</i>	3948	NTU								
<i>Temperature</i>	9.9	°C								
<i>pH</i>	7.17									
<i>Conductivity</i>	0.73	SPC ms/cm								
<i>Oxygen</i>	5.53	DO mg/L								
<i>Salinity</i>										

Time sample was collected: 9:36
MW-X collected from this well

COMMENTS

GROUNDWATER SAMPLING WORKSHEET
BERGMANN
 ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q4 2021
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 11/19/2021
Weather: 45 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 7.35
Depth to bottom of the well: 17.67
Length of water column in well: 10.32

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

Volume of water in well casing, gallons: 1.7
3 Well volumes (= length water column X gal/foot X 3): 5.05
Actual volume purged prior to sampling: 5.25
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis: _____

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
<i>Turbidity</i>	1319.7	NTU								
<i>Temperature</i>	10	°C								
<i>pH</i>	7.15									
<i>Conductivity</i>	0.003	SPC ms/cm								
<i>Oxygen</i>	7.8	DO mg/L								
<i>Salinity</i>										

Time sample was collected: 8:45

COMMENTS _____

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q4 2021
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 11/19/2021
Weather: 45 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 9.3
Depth to bottom of the well: 14.75
Length of water column in well: 5.45

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

Volume of water in well casing, gallons: 0.8884
3 Well volumes (= length water column X gal/foot X 3): 2.6651
Actual volume purged prior to sampling: 2.75
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis: _____

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
<i>Turbidity</i>	2283.3	NTU								
<i>Temperature</i>	14.4	°C								
<i>pH</i>	6.55									
<i>Conductivity</i>	0.992	SPC ms/cm								
<i>Oxygen</i>	4.56	DO mg/L								
<i>Salinity</i>										

Time sample was collected: 8:01

COMMENTS _____

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q4 2021
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 11/19/2021
Weather: 45 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 9.4
Depth to bottom of the well: 15.82
Length of water column in well: 6.42

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

Volume of water in well casing, gallons: 1.0465
3 Well volumes (= length water column X gal/foot X 3): 3.14
Actual volume purged prior to sampling: 3.25
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis: _____

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
<i>Turbidity</i>	1216.6	NTU								
<i>Temperature</i>	11.5	°C								
<i>pH</i>	6.79									
<i>Conductivity</i>	0.014	SPC ms/cm								
<i>Oxygen</i>	3.78	DO mg/L								
<i>Salinity</i>										

Time sample was collected: 9:04

COMMENTS _____

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q4 2021
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 11/18/2021
Weather: 48 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 6.7
Depth to bottom of the well: 18.06
Length of water column in well: 11.36

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

Volume of water in well casing, gallons: 7.4181
3 Well volumes (= length water column X gal/foot X 3): 22.254
Actual volume purged prior to sampling: 22.33
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis: _____

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
<i>Turbidity</i>	3311.2	NTU								
<i>Temperature</i>	13.7	°C								
<i>pH</i>	7.22									
<i>Conductivity</i>	0.594	SPC ms/cm								
<i>Oxygen</i>	4.24	DO mg/L								
<i>Salinity</i>										

Time sample was collected: 13:36

COMMENTS _____

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q4 2021
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 11/18/2021
Weather: 48 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 6.6
Depth to bottom of the well: 18.06
Length of water column in well: 11.46

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

Volume of water in well casing, gallons: 7.4834
3 Well volumes (= length water column X gal/foot X 3): 22.45
Actual volume purged prior to sampling: 22.5
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis: _____

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
<i>Turbidity</i>	925.1	NTU								
<i>Temperature</i>	13.7	°C								
<i>pH</i>	7.17									
<i>Conductivity</i>	0.213	SPC ms/cm								
<i>Oxygen</i>	4.58	DO mg/L								
<i>Salinity</i>										

Time sample was collected: 12:10

COMMENTS _____

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q4 2021
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 11/18/2021
Weather: 48 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 11.33
Depth to bottom of the well: 20.45
Length of water column in well: 9.12

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

Volume of water in well casing, gallons: 6.0
3 Well volumes (= length water column X gal/foot X 3): 17.866
Actual volume purged prior to sampling: 18
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis: _____

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
<i>Turbidity</i>	640.65	NTU								
<i>Temperature</i>	13.7	°C								
<i>pH</i>	7.15									
<i>Conductivity</i>	0.631	SPC ms/cm								
<i>Oxygen</i>	5.04	DO mg/L								
<i>Salinity</i>										

Time sample was collected: 11:35

COMMENTS _____

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q4 2021
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 11/18/2021
Weather: 48 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 11.25
Depth to bottom of the well: 19.69
Length of water column in well: 8.44

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

Volume of water in well casing, gallons: 5.51
3 Well volumes (= length water column X gal/foot X 3): 16.53
Actual volume purged prior to sampling: 16.75

Sampling Methodology: _____
Sampling Equipment: Hand bailer

Well Recharged? N/A
Required Analysis: _____

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
<i>Turbidity</i>	2463.6	NTU								
<i>Temperature</i>	13.4	°C								
<i>pH</i>	7.14									
<i>Conductivity</i>	0.38	SPC ms/cm								
<i>Oxygen</i>	4.37	DO mg/L								
<i>Salinity</i>										

Time sample was collected: 10:46

COMMENTS _____

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q4 2021
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 11/18/2021
Weather: 48 degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 11.5
Depth to bottom of the well: 22.98
Length of water column in well: 11.48

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

Volume of water in well casing, gallons: 7.4964
3 Well volumes (= length water column X gal/foot X 3): 22.489
Actual volume purged prior to sampling: 22.5
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis: _____

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
<i>Turbidity</i>	579.1	NTU								
<i>Temperature</i>	12.8	°C								
<i>pH</i>	7.29									
<i>Conductivity</i>	0	SPC ms/cm								
<i>Oxygen</i>	42.7	DO mg/L								
<i>Salinity</i>										

Time sample was collected: 9:56

COMMENTS _____

GROUNDWATER SAMPLING WORKSHEET

PROJECT NAME: Gowanda Q4 2021
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 11/18/2021
Weather: 48 Degrees F
Personnel: Justin L. O'Brien

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GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 11.42
Depth to bottom of the well: 20.72
Length of water column in well: 9.30

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

Volume of water in well casing, gallons: 6.0729
3 Well volumes (= length water column X gal/foot X 3): 18.219
Actual volume purged prior to sampling: 18.25
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis: _____

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
<i>Turbidity</i>	352.09	NTU								
<i>Temperature</i>	11.7	°C								
<i>pH</i>	7.56									
<i>Conductivity</i>	0	SPC ms/cm								
<i>Oxygen</i>	7.81	DO mg/L								
<i>Salinity</i>										

Time sample was collected: 9:20

COMMENTS _____

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q4 2021
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 11/18/2021
Weather: 45 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 9.75
Depth to bottom of the well: 18.15
Length of water column in well: 8.4

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

Volume of water in well casing, gallons: 5.49
3 Well volumes (= length water column X gal/foot X 3): 16.46
Actual volume purged prior to sampling: 16.50
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis: _____

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
<i>Turbidity</i>	1082.8	NTU								
<i>Temperature</i>	11	°C								
<i>pH</i>	7.56									
<i>Conductivity</i>	0.602	SPC ms/cm								
<i>Oxygen</i>	6.63	DO mg/L								
<i>Salinity</i>										

Time sample was collected: 10:42

COMMENTS _____



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MARCH 2022
GROUNDWATER CHARACTERIZATION REPORT



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

4 Industrial Place, Gowanda, NY

GROUNDWATER CHARACTERIZATION REPORT-MARCH 2022 (Q1 2022)



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1.0 INTRODUCTION

Bergmann is submitting this groundwater characterization report for the fourth quarter 2022 sampling event, conducted on March 24th and 25th, 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 March 24th and March 25th, 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 all 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 November 2021 and included analysis of groundwater samples from all twenty-one (21) of twenty-one (21) site-related groundwater monitoring wells and all seven (7) groundwater recovery wells.

1.2 SITE BACKGROUND

The Gowanda Day Habilitation site consists of a 5.94-acre parcel located at 4 Industrial Place. 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.

During 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) and implementation of an ISCO treatment. Bergmann submitted an ISCO RAP for groundwater treatment to the NYSDEC to address 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 March 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 June 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 March 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 on a regular basis 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 March 24th and March 25th, 2022. Depth to groundwater measurements were obtained from 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 monitored 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 courier at the Site in Gowanda, NY. The samples were then transported by Alpha Analytical via a chain-of-custody protocol to their NYSELAP certified laboratory located in Westborough, Massachusetts. The samples were then tested for targeted chlorinated Volatile Organic Compounds (VOCs) of concern, using EPA Method 8260C. All samples except MW-6 were analyzed were in compliance with analytical method requirements. Sample MW-6 had a pH greater than 2, and was analyzed past the 7-day holding time, instead of the usual 14-day holding time. 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 March 2022 using elevations measured at each well. Groundwater elevations and well reference elevations were calculated using depth to water values obtained on March 24th and March 25th, 2022. The well gauging values and groundwater elevations are provided in Table 1 – Groundwater Elevations and Field Measurements – March 2022.

The March 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 March 2022 depths to groundwater range from 5.30 ft. below top of casing (btoc) at MW-2, to 13.20 ft. btoc at MW-6. The average depth to groundwater at the wells measured was 9.11 ft. btoc, which is an increase from the average depth to water of the previous sampling event in November of 2021 (8.88).

The site-wide average depth to water table increased by approximately 0.23 ft. when compared to the previous sampling event from November 2021. This decrease in depth to the water table is inferred as seasonal.

Measured depth to water at all gauged monitoring and recovery wells is presented in Table 1 and March 2022 Groundwater Contours are presented on Figure 1 – March 2022 Groundwater 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 March 24th and March 25th, 2022. Samples were analyzed for VOCs via EPA Method 8260C. Analysis was performed in accordance with the October 2006 OM&M Manual. The following halogenated VOCs 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)

Total VOCs values, as present throughout this report, in the text, charts, and Tables 2, 3, and 4, are not representative of total VOCs detected, but are exclusively representative of the sum of TCE, CIS, TRANS, VC, and TCA detected.

4.2 MONITORING WELL GROUNDWATER ANALYSIS SUMMARY

The March 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. Analytical results are summarized in Table 2 – March 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 March 2022 Sampling Event. Table 3 – Historic Groundwater Analysis Results Summary includes the historical total VOC concentrations at each well since sampling of the monitoring 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 total VOCs, MW-11, with a value of 420.6 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 November 2021 sampling event while concentrations in eight (8) of the twenty-one (21) monitoring well groundwater samples decreased. Concentrations in six (6) groundwater samples from monitoring wells had no change. The current sampling analytical results indicate an average site-wide decrease in total VOCs of approximately 88.47% since activation of the GTS in May 2005.

The area of highest impacted groundwater exists at the area centered between monitoring wells MW-1 and MW-11, which has historically indicated the highest levels of VOCs and is inferred as the source area of impacted groundwater. In the area where the plume of impacted groundwater is inferred (monitoring wells MW-1, MW-6, MW-7, MW-11, MW-12, MW-14, MW-15, and MW-17) the current laboratory analysis shows a contaminant reduction in VOC concentrations by an average of approximately 83.00% since groundwater monitoring of these wells began in 2002.

Monitoring well MW-1 decreased in targeted chlorinated VOCs relative to the prior sampling event. The total VOC concentration at monitoring well MW-1 for the March 2022 sampling event was 382.59 parts per billion (ppb), a decrease from the November 2021 value of 980.46 ppb. Since activation of the GTS, detected VOCs at MW-1 have decreased by about 50.18%.



Monitoring well MW-11 decreased in targeted chlorinated VOCs relative to the prior sampling event. The total VOC concentration at MW-11 for the March 2022 sampling event is 420.6 ppb, a decrease from the November 2021 value of 495.4 ppb. Since activation of the GTS in May 2005, detected VOCs at MW-11 have decreased by 90.95%.

Monitoring well MW-12 increased in targeted chlorinated VOCs relative to the prior sampling event. The total VOC concentration at MW-12 for the March 2022 sampling event is 271.9 ppb, an increase from the November 2021 value of 125.4 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 about 97.85%.

Monitoring well MW-13 increased in targeted chlorinated VOCs relative to the prior sampling event. The total VOC concentration at monitoring well MW-13 for the March 2022 sampling event was 5.11 ppb, an increase from the November 2021 sampling event, which was 1.83 ppb. Since activation of the GTS, detected VOCs at MW-13 have decreased by about 98.38%.

Monitoring well MW-14 increased in targeted chlorinated VOCs relative to the prior sampling event. The total VOC concentration at MW-14 for the March 2022 sampling event is 104.45 ppb, an increase from the November 2021 value of 91.86 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 about 66.86%

Monitoring well MW-15 decreased in targeted chlorinated VOCs relative to the prior sampling event. The total VOC concentration at MW-15 for the March 2022 sampling event was 9.4 ppb, a decrease from the November 2021 sampling event, which was 15.6 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 98.71%.

Six (6) groundwater monitoring wells are located along the subject property's north perimeter, down-gradient from the area of impacted groundwater. The north perimeter monitoring wells consist of wells MW-5, MW-6, MW-7, MW-16, MW-17 and MW-21. The current analytical results exhibit a decrease in targeted VOCs at the sampled monitoring wells along the north perimeter, compared to the November 2021 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 results indicate a total VOC concentration of 3.88 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, 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 the Torrance Place road surface. These wells were uncovered after the July 2019 sampling event, and subsequent sampling events. Well MW-19R had a total VOC concentration of 0.30 ppb, and well MW-21 had a total VOC concentration of 7.76 ppb during the March 2022 sampling event.

Laboratory analytical results are included in Appendix A. Monitoring well locations and distribution of analytical results are shown on Figure 2 – March 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-4 and MW-19R. The current results indicate non-detect (ND) levels for MW-4 and 0.30 ppb for MW-19R.

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. According to Mr. Chris Sanson, an Environmental Scientist for Groundwater & Environmental Services, Inc. (GES), an ISCO injection application was implemented for the Gowanda Electronics site in March 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 March 2022 sampling event, all of the seven (7) recovery wells were sampled.

The March 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. Total VOCs 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 VOCs for the current sampling event is about 88.56% relative to concentrations prior to GTS activation in 2002. Relative percent increase in total VOCs for all monitoring wells and recovery wells are shown on Table 4 – Percent Reductions in Total Groundwater VOCs.

Recovery well DR-1 increased in targeted chlorinated VOCs relative to the prior sampling event. The total VOC concentration at DR-1 for the March 2022 sampling event is 663.50 ppb, an increase from the November 2021 value of 598.6 ppb. The current sampling event indicates a decrease in VOCs at DR-1 of 91.71% 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 decreased in targeted chlorinated VOCs relative to the prior sampling event. The total VOC concentration at DR-2 for the March 2022 sampling event is 129.15 ppb, a decrease from the November 2021 value of 251.3 ppb. The current sampling event indicates a decrease in VOCs at DR-2 of about 93.55% since activation of the GTS.

Recovery well DR-3 decreased in targeted chlorinated VOCs relative to the prior sampling event. The total VOC concentration at DR-3 for the March 2022 sampling event is 75.20 ppb, a decrease from the November 2021 value of 94.88 ppb. The current sampling event indicates a decrease in VOCs at DR-3 of about 94.87% since activation of the GTS.

Recovery well DR-4 decreased in targeted chlorinated VOCs relative to the prior sampling event. The total VOC concentration at DR-4 for the March 2022 sampling event is 29.0 ppb, a decrease from the November 2021 value of 34.6 ppb. The current sampling event indicates a decrease in VOCs at DR-4 of about 98.36% since activation of the GTS.

Recovery well G-1 decreased in targeted chlorinated VOCs relative to the prior sampling event. The total VOC concentration at G-1 for the March 2022 sampling event was 47.21 ppb, a decrease from the November 2021 value of 53.68 ppb. The current sampling event indicates a decrease in VOCs at G-1 of 91.33% since activation of the GTS.

Recovery well G-2 decreased in targeted chlorinated VOCs relative to the prior sampling event. The total VOC concentration at G-2 for the March 2022 sampling event was 45.35 ppb, a decrease from the November 2021 value of 52.67 ppb. The current sampling event indicates a decrease in VOCs at G-2 of 88.22% since activation of the GTS.

Recovery well G-3 decreased in targeted chlorinated VOCs relative to the prior sampling event. The total VOC concentration at G-3 for the March 2022 sampling event was 153.75 ppb, a decrease from the November 2021



value of 185.8 ppb. The current sampling event indicates a decrease in VOCs at G-3 of 61.85% since activation of the GTS.

Laboratory analytical results are included in Appendix A. Recovery well locations and analytical results are shown on Figure 3 – March 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 March 2022 sampling event, and was analyzed. A field duplicate (labeled as MW-X) was taken from MW-14.

Laboratory analytical results are included in Appendix A.



5.0 REMEDIATION SYSTEM EFFICIENCY

5.1 IMPACT OF THE GTS RECOVERY WELLS

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

Chart 2 displays the relationship between monitoring wells MW-1, MW-11 and recovery well DR-1. The current total VOCs at MW-1 (382.59 ppb) show a decrease from the November 2021 sampling event (980.46 ppb). The current total VOCs at MW-11 (420.6 ppb) shows a decrease from the November 2021 sampling event (495.4 ppb). The current total VOCs at DR-1 (663.50 ppb) show an increase from the November 2021 sampling event (598.6 ppb).

Chart 3 compares laboratory 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 total VOCs at MW-12 (271.9 ppb) show an increase from the November 2021 sampling event (125.4 ppb). The current total VOCs at recovery well DR-2 (129.15 ppb) show a decrease from the November 2021 sampling event (251.3 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 total VOCs at MW-14 (104.45 ppb) show an increase from the November 2021 sampling event (91.86 ppb). The current total VOCs at recovery well DR-3 (75.20 ppb) show a decrease from the November 2021 sampling event (94.88 ppb).

Chart 5 compares laboratory results between recovery well DR-4 and MW-15. These wells are located at the center-north portion of the building. The current total VOCs at MW-15 (9.4 ppb) show a decrease from the November 2021 sampling event (15.6 ppb). The current total VOCs at recovery well DR-4 (29.0 ppb) show a decrease from the November 2021 sampling event (34.6 ppb).

Chart 6 compares laboratory results between recovery well G-1 and monitoring well MW-17. The recovery well is located in the northern portion of the building and MW-17 is located along the northern property line. The current total VOCs at recovery well MW-17 (85.32 ppb) show a decrease from the November 2021 sampling event (85.27 ppb). The current total VOCs at recovery well G-1 (47.21 ppb) show a decrease from the November 2021 sampling event (53.68 ppb).

Chart 7 compares laboratory results between recovery well G-2 and MW-7 which are located at the northeastern portion of the building. This area is at the apparent western perimeter of the area of impacted groundwater. Recovery well G-2 had a total VOC concentration of 45.35 ppb, which shows a decrease from the November 2021 sampling event (52.67 ppb). The March 2022 total VOCs of MW-7 (33.06 ppb) show an increase from the November 2021 sampling event (29.15 ppb).

Chart 8 compares laboratory 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. This area is at the western perimeter of the apparent area of impacted groundwater. The current total VOCs at monitoring well MW-17 (85.32 ppb) show a decrease from the November 2021 sampling event (85.27 ppb). The current total VOCs at recovery well G-3 (153.75 ppb) show a decrease from the November 2021 sampling event (185.8 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. 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 impacted groundwater. 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 VOCs in the plume have not migrated and appear to be stabilized when compared to sample results with operation of the GTS during previous monitoring events.

VOCs were not sampled at MW-19R and MW-21 during the July 2019 and November 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. The full analytical results are summarized in Table 5.

The redevelopment of wells was performed in fall 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 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 Q2 2022. Future sampling and analytical 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 pattern and movement of residual impacted groundwater at the site will be monitored and recorded during future sampling events.



TABLES

Table 1 Groundwater Elevations and Field Measurements March 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)	5.65	5.30	5.85	6.95	10.70	13.20	13.15	9.05	8.35	6.12
Groundwater Elevation	772.58	772.78	772.53	771.48	767.91	767.90	767.79	772.28	774.26	773.90
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	10.37	11.85	10.45	8.83	3.25	9.68	8.65	8.60	12.61	13.32
Minimum Purge Volume (gal)	1.69	1.93	1.70	1.44	0.53	1.58	1.4	1.40	2.06	2.2
3 Volumes	5.07	5.79	5.11	4.318	1.59	4.73	4.23	4.205	6.166	6.51
Actual volume purged	5.25	6.00	5.3	4.33	1.75	4.75	4.25	4.25	6.25	6.66
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)	5.70	6.50	6.95	10.48	10.45	12.80	12.98	9.05	7.8	9.60	7.9
Groundwater Elevation	772.88	772.00	771.44	767.95	767.93	767.63	766.87	767.34	766.4	768.44	766.86
Well Diameter	2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2"
Product Thickness	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Well Depth (btoc)	15.48	17.38	17.40	18.15	19.80	23.26	25.18	25.0	17.67	14.75	15.82
Bottom of Well Elevation	763.10	761.12	760.99	760.28	758.58	757.17	754.67	751.39	756.53	763.29	758.94
Thickness of Water Column	9.78	10.88	10.45	7.67	9.35	10.46	12.20	15.95	9.87	5.15	7.92
Minimum Purge Volume (gal)	1.59	1.77	1.70	1.25	1.52	1.7	1.99	2.60	1.6	0.8	1.3
3 Volumes	4.78	5.32	5.11	3.75	4.57	5.11	5.97	7.80	4.83	2.52	3.87
Actual volume purged	5.00	5.33	5.25	3.75	4.75	5.25	6.00	8.00	5.00	2.75	4.00
Comments	Flush = -0.23'	Flush = -0.35'	Flush = -0.48'	Flush = -0.39'	Flush = -0.38	Stickup=2.26'	Stickup=1.18'	Flush = -0.26'	Flush = -0.36'	Flush = -0.43'	Flush = -0.71'

	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)	6.95	6.75	11.52	11.42	11.63	11.6	10.70
Groundwater Elevation	772.71	773.18	768.26	768.22	768.20	768.12	768.72
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	11.11	11.31	8.93	8.27	11.35	9.12	7.45
Minimum Purge Volume (gal)	7.25	7.39	5.83	5.40	7.41	5.96	4.86
3 Volumes	21.764	22.16	17.49	16.20	22.23	17.87	14.59
Actual volume purged	22.00	22.25	17.5	16.25	22.50	18.00	14.75
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 March 2022 Analytical Results Summary

Gowanda Day Habilitation Center
4 Industrial Place, Gowanda, New York
VCA # V-00463-9

Monitoring Well MW-1

Sample Date 3/25/2022

Sampling Events

Analyte	in ppb	Nov 2021	Mar 2022	NYS Guidance Value
TCE		840.00	320.00	5.0
CIS		130.00	58.00	5.0
TRANS		10.0	4.2	5.0
VC		0.46	0.39	2.0
TCA		ND	ND	5.0
Total VOCs		980.46	382.59	

Monitoring Well MW-2

Sample Date: 3/25/2022

Sampling Events

Analyte	in ppb	Nov 2021	Mar 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: 3/25/2022

Sampling Events

Analyte	in ppb	Nov 2021	Mar 2022	NYS Guidance Value
TCE		ND	0.25	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	0.25	

Monitoring Well MW-4

Sample Date: 3/25/2022

Sampling Events

Analyte	in ppb	Nov 2021	Mar 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-5

Sample Date: 3/25/2022

Sampling Events

Analyte	in ppb	Nov 2021	Mar 2022	NYS Guidance Value
TCE		1.20	0.60	5.0
CIS		ND	ND	5.0
TRANS		ND	ND	5.0
VC		ND	ND	2.0
TCA		ND	ND	5.0
Total VOCs		1.20	0.60	

Monitoring Well MW-6

Sample Date: 3/25/2022

Sampling Events

Analyte	in ppb	Nov 2021	Mar 2022	NYS Guidance Value
TCE		ND	0.21	5.0
CIS		61.00	47.00	5.0
TRANS		ND	ND	5.0
VC		51.00	45.00	2.0
TCA		ND	ND	5.0
Total VOCs		112.00	92.21	

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 March 2022 Analytical Results Summary

Gowanda Day Habilitation Center
4 Industrial Place, Gowanda, New York
VCA # V-00463-9

Monitoring Well MW-7

Sample Date: 3/24/2022

Sampling Events

Analyte	in ppb	Nov 2021	Mar 2022	NYS Guidance Value
TCE		0.71	0.51	5.0
CIS		28.00	32.00	5.0
TRANS		ND	ND	5.0
VC		0.44	0.55	2.0
TCA		ND	ND	5.0
Total VOCs		29.15	33.06	

Monitoring Well MW-8

Sample Date: 3/25/2022

Sampling Events

Analyte	in ppb	Nov 2021	Mar 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: 3/24/2022

Sampling Events

Analyte	in ppb	Nov 2021	Mar 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: 3/24/2022

Sampling Events

Analyte	in ppb	Nov 2021	Mar 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: 3/24/2022

Sampling Events

Analyte	in ppb	Nov 2021	Mar 2022	NYS Guidance Value
TCE		310.00	320.00	5.0
CIS		170.00	90.00	5.0
TRANS		9.40	8.3	5.0
VC		6.00	2.30	2.0
TCA		ND	ND	5.0
Total VOCs		495.4	420.6	

Monitoring Well MW-12

Sample Date: 3/24/2022

Sampling Events

Analyte	in ppb	Nov 2021	Mar 2022	NYS Guidance Value
TCE		20.00	21.00	5.0
CIS		100.00	240.00	5.0
TRANS		1.10	2.20	5.0
VC		4.30	8.70	2.0
TCA		ND	ND	5.0
Total VOCs		125.40	271.90	

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 March 2022 Analytical Results Summary

Gowanda Day Habilitation Center
4 Industrial Place, Gowanda, New York
VCA # V-00463-9

Monitoring Well MW-13

Sample Date: 3/24/2022

Sampling Events

Analyte	in ppb	Nov 2021	Mar 2022	NYS Guidance Value
TCE		0.91	0.99	5.0
CIS		0.92	4.00	5.0
TRANS		ND	ND	5.0
VC		ND	0.12	2.0
TCA		ND	ND	5.0
Total VOCs		1.83	5.11	

Monitoring Well MW-14

Sample Date: 3/24/2022

Sampling Events

Analyte	in ppb	Nov 2021	Mar 2022	NYS Guidance Value
TCE		9.9	9.1	5.0
CIS		79.0	92.0	5.0
TRANS		0.8	0.85	5.0
VC		2.2	2.5	2.0
TCA		ND	ND	5.0
Total VOCs		91.86	104.45	

Monitoring Well MW-15

Sample Date: 3/24/2022

Sampling Events

Analyte	in ppb	Nov 2021	Mar 2022	NYS Guidance Value
TCE		10.00	5.90	5.0
CIS		5.6	3.5	5.0
TRANS		ND	ND	5.0
VC		ND	ND	2.0
TCA		ND	ND	5.0
Total VOCs		15.60	9.4	

Monitoring Well MW-16

Sample Date: 3/24/2022

Sampling Events

Analyte	in ppb	Nov 2021	Mar 2022	NYS Guidance Value
TCE		0.34	0.30	5.0
CIS		31.00	34.00	5.0
TRANS		ND	ND	5.0
VC		0.41	0.72	2.0
TCA		ND	ND	5.0
Total VOCs		31.75	35.02	

Monitoring Well MW-17

Sample Date: 3/25/2022

Sampling Events

Analyte	in ppb	Nov 2021	Mar 2022	NYS Guidance Value
TCE		13.00	11.00	5.0
CIS		72.00	74.00	5.0
TRANS		ND	ND	5.0
VC		0.27	0.32	2.0
TCA		ND	ND	5.0
Total VOCs		85.27	85.32	

Monitoring Well MW-18

Sample Date: 3/25/2022

Sampling Events

Analyte	in ppb	Nov 2021	Mar 2022	NYS Guidance Value
TCE		1.20	0.68	5.0
CIS		5.10	3.2	5.0
TRANS		ND	ND	5.0
VC		0.12	ND	2.0
TCA		ND	ND	5.0
Total VOCs		6.42	3.88	

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 March 2022 Analytical Results Summary

Gowanda Day Habilitation Center
4 Industrial Place, Gowanda, New York
VCA # V-00463-9

Monitoring Well MW-19R

Sample Date: 3/25/2022

Sampling Events

Analyte	in ppb	Nov 2021	Mar 2022	NYS Guidance Value
TCE		0.29	0.30	5.0
CIS		ND	ND	5.0
TRANS		ND	ND	5.0
VC		ND	ND	2.0
TCA		ND	ND	5.0
Total VOCs		0.29	0.30	

Monitoring Well MW-20

Sample Date: 3/25/2022

Sampling Events

Analyte	in ppb	Nov 2021	Mar 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: 3/25/2022

Sampling Events

Analyte	in ppb	Nov 2021	Mar 2022	NYS Guidance Value
TCE		1.4	1.2	5.0
CIS		13.0	6.4	5.0
TRANS		0.71	ND	5.0
VC		0.16	0.16	2.0
TCA		ND	ND	5.0
Total VOCs		15.27	7.76	

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 March 2022 Analytical Results Summary

Gowanda Day Habilitation Center
4 Industrial Place, Gowanda, New York
VCA # V-00463-9

Recovery Well DR-1 Sampling Events

Sample Date: 3/24/2022

Analyte	in ppb	Nov 2021	Mar 2022	NYS Guidance Value
TCE		450	510	5.0
CIS		130	130	5.0
TRANS		3.60	3.50	5.0
VC		15.00	20.00	2.0
TCA		ND	ND	5.0
Total VOCs		598.60	663.50	

Recovery Well DR-2 Sampling Events

Sample Date: 3/24/2022

Analyte	in ppb	Nov 2021	Mar 2022	NYS Guidance Value
TCE		63.0	24.0	5.0
CIS		180	100	5.0
TRANS		1.6	0.95	5.0
VC		6.7	4.2	2.0
TCA		ND	ND	5.0
Total VOCs		251.3	129.15	

Recovery Well DR-3 Sampling Events

Sample Date: 3/24/2022

Analyte	in ppb	Nov 2021	Mar 2022	NYS Guidance Value
TCE		23	25	5.0
CIS		68	48	5.0
TRANS		0.98	1.20	5.0
VC		2.9	1.0	2.0
TCA		ND	ND	5.0
Total VOCs		94.88	75.20	

Recovery Well DR-4 Sampling Events

Sample Date: 3/24/2022

Analyte	in ppb	Nov 2021	Mar 2022	NYS Guidance Value
TCE		27	22	5.0
CIS		7.6	7.0	5.0
TRANS		ND	ND	5.0
VC		ND	ND	2.0
TCA		ND	ND	5.0
Total VOCs		34.6	29.0	

Recovery Well G-1 Sampling Events

Sample Date: 3/24/2022

Analyte	in ppb	Nov 2021	Mar 2022	NYS Guidance Value
TCE		11.0	8.6	5.0
CIS		42	38	5.0
TRANS		ND	ND	5.0
VC		0.68	0.61	2.0
TCA		ND	ND	5.0
Total VOCs		53.68	47.21	

Recovery Well G-2 Sampling Events

Sample Date: 3/24/2022

Analyte	in ppb	Nov 2021	Mar 2022	NYS Guidance Value
TCE		0.74	0.52	5.0
CIS		51	44.0	5.0
TRANS		ND	ND	5.0
VC		0.93	0.83	2.0
TCA		ND	ND	5.0
Total VOCs		52.67	45.35	

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 March 2022 Analytical Results Summary

Gowanda Day Habilitation Center
4 Industrial Place, Gowanda, New York
VCA # V-00463-9

Recovery Well G-3

Sample Date: 3/25/2022

Sampling Events

Analyte	in ppb	Nov 2021	Mar 2022	NYS Guidance Value
TCE		24	22	5.0
CIS		160	130	5.0
TRANS		1.3	1.2	5.0
VC		0.50	0.55	2.0
TCA		ND	ND	5.0
Total VOCs		185.80	153.75	

Duplicate Blank (MW-14)

Sample Date: 3/25/2022

Sampling Events

Analyte	in ppb	Mar 2022	NYS Guidance Value
TCE		13	5.0
CIS		96	5.0
TRANS		ND	5.0
VC		0.45	2.0
TCA		ND	5.0
Total VOCs		109.45	

Equipment Blank

Sample Date: 3/25/2022

Sampling Events

Analyte	in ppb	Nov 2021	Mar 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 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	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	0.29	ND	ND	ND	ND	0.28	ND	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	0.25	ND	ND	ND	1.31	1.14	ND	0.3	ND	0.28	0.39	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-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW-5	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	NS	
MW-6	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	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	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-11	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	271.90	125.4	65.86	65.88	60.05	84	147.03	118.54	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	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	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-14	104.45	91.86	84.40	20.80	63.4	13.0	18.2	3.4	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	9.4	15.6	24.80	2.6	25.8	ND	5.0	2.9	7.6	8.1	4.9	ND	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	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	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	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	ND	NS	ND	ND	16.6	2.33		
MW-19R	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	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2.5	ND	ND	
MW-20	ND	ND	ND	0.35	ND	0.88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-21	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	NS
MW-X (DUP)	109.45	6.5	ND	152.4	100.5	13.0	2.4	3.3	1118.9	1118.9	914.6	ND	434	NS	490	DWS	1,705	879	550	1,720	410	360	407	300	400	870	NS	1,850	540	186.8	1,450	521	913			
EB	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RECOVERY WELLS																																				
Recovery Well Number	Total VOCs Mar 2021 (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	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	217	63	55	75	132	87	73	82	43	29.38	673		
DR-2	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	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	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	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	106.6	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	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	NS	NS	293	404	420	262	370	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.

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

[illegible][illegible]

*Sampling of recovery wells initiated in 2006

*Sampling of recovery wells initiated in 2006

TABLE 5

[illegible]



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FIGURES

I:\DASNY\014263.07 DASNY-Gowanda 2021 O&M LS\3.0 Design\3.8 Reports\Gowanda Q1 2022\Figures\Figure 1 March 2022.dwg



DASNY
Gowanda Day
Habilitation Center
4 Industrial Place
Gowanda, New York



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

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Architects, Engineers, Landscape
Architects & Surveyors, D.P.C.
Note:
Unauthorized alteration or addition to this
drawing is a violation of the New York State
Education Law Article 145, Section 7209.

Project Manager: J. O'BRIEN	Checked By: J. O'BRIEN
Designed By:	Drawn By: C. WOOD
Date Issued: 04/25/2022	Scale: 1" = 60'
Project Number: 14263.07	

MARCH 2022
WATER LEVEL
CONTOUR MAP

Drawing Number:
FIGURE 1

DASNY

Gowanda Day
Habilitation Center

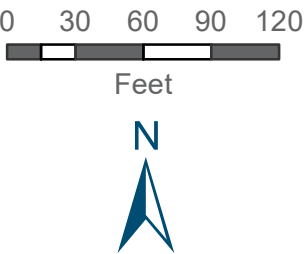
4 Industrial Place
Gowanda, NY



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Figure 2

March 2022
Distribution of
Groundwater
Analytical Results:
Monitoring Wells



DASNY

Gowanda Day
Habilitation Center

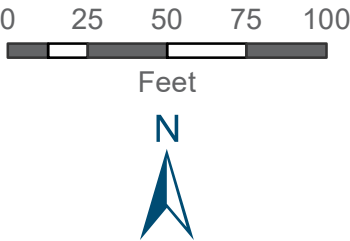
4 Industrial Place
Gowanda, NY



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Figure 3

March 2022
Distribution of
Groundwater
Analytical Results:
Recovery Wells





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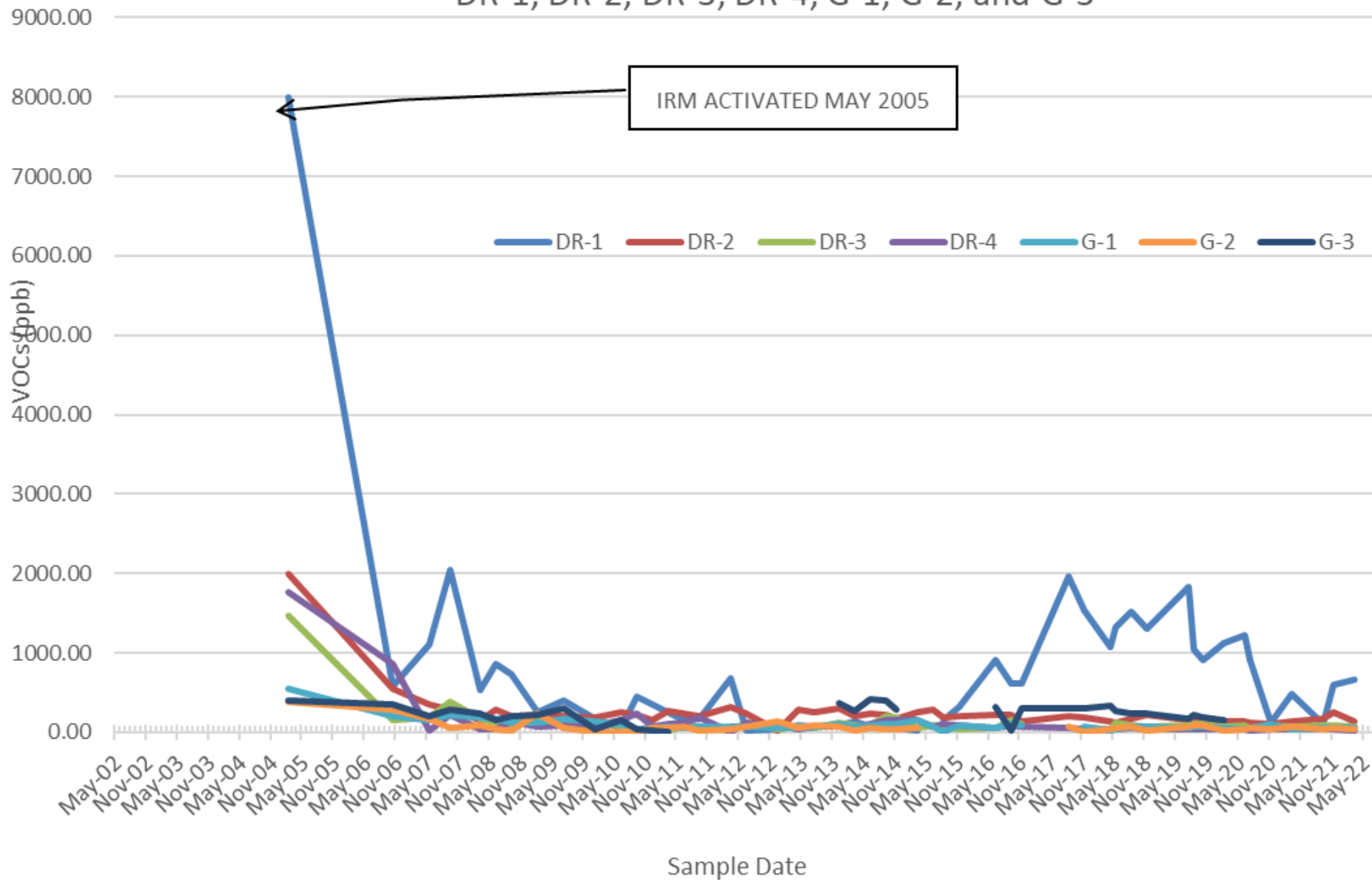
CHARTS



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Groundwater Recovery Wells DR-1, DR-2, DR-3, DR-4, G-1, G-2, and G-3

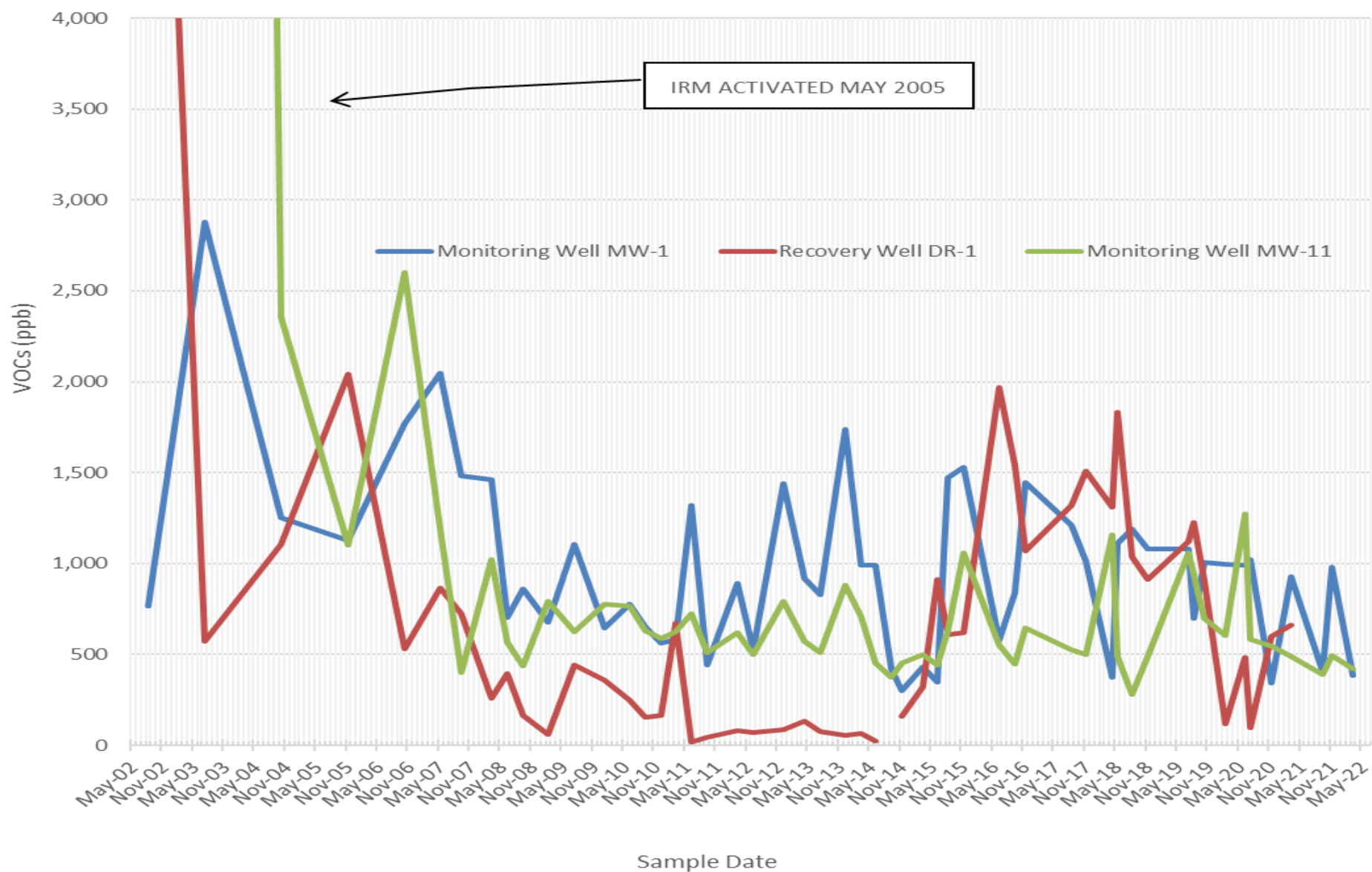




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MW-1, DR-1 and MW-11

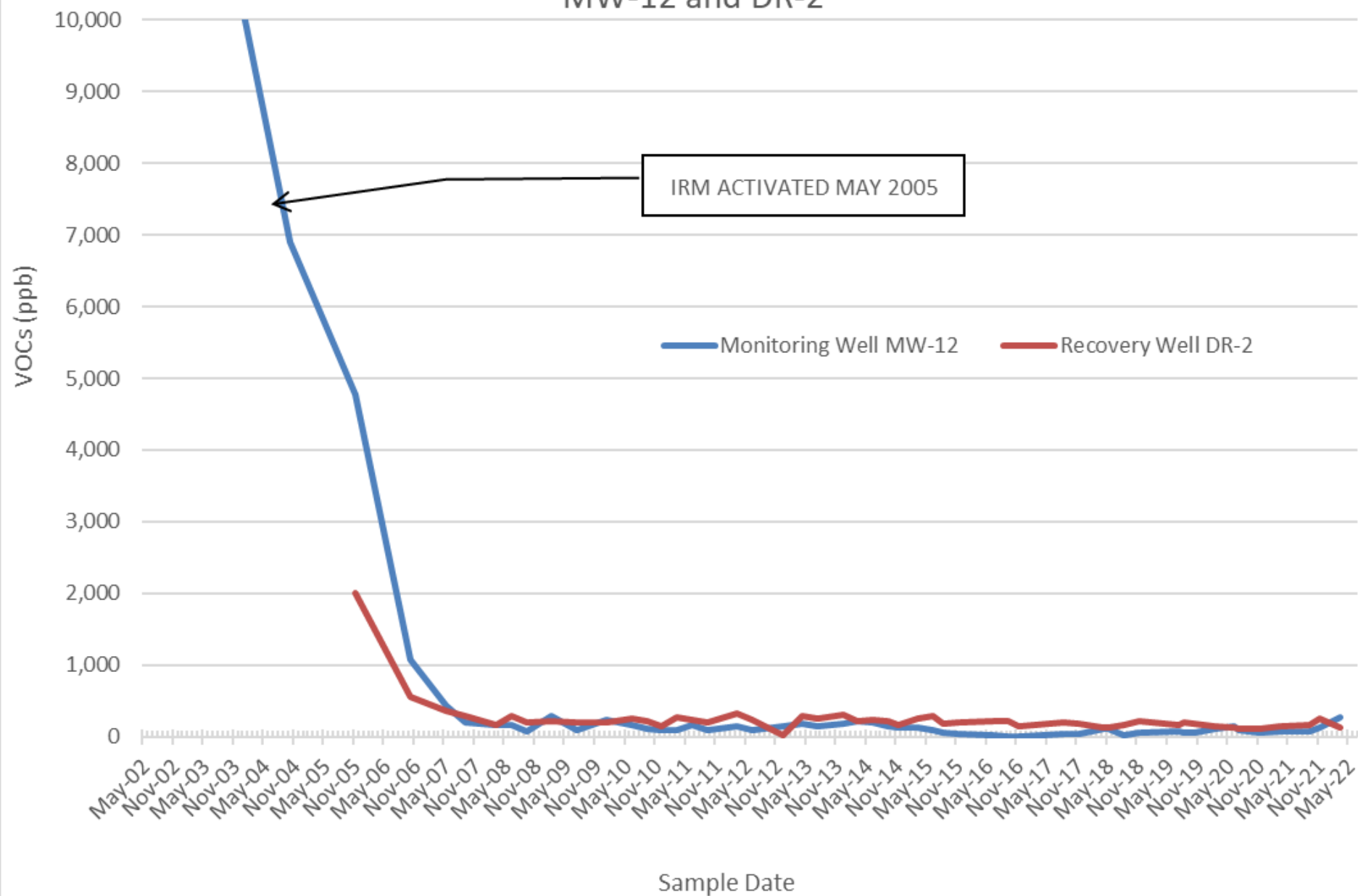




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MW-12 and DR-2

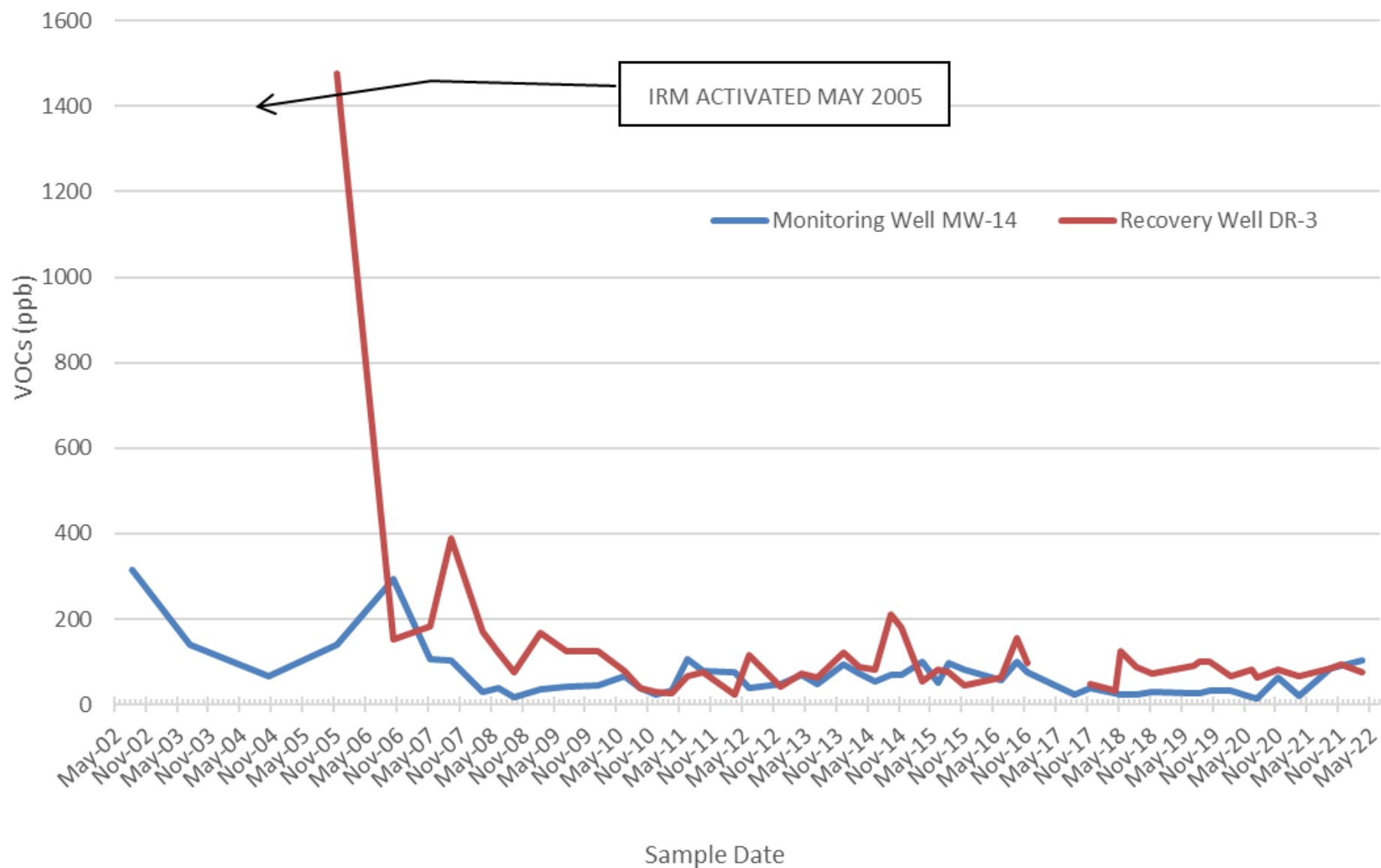




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MW-14 and DR-3

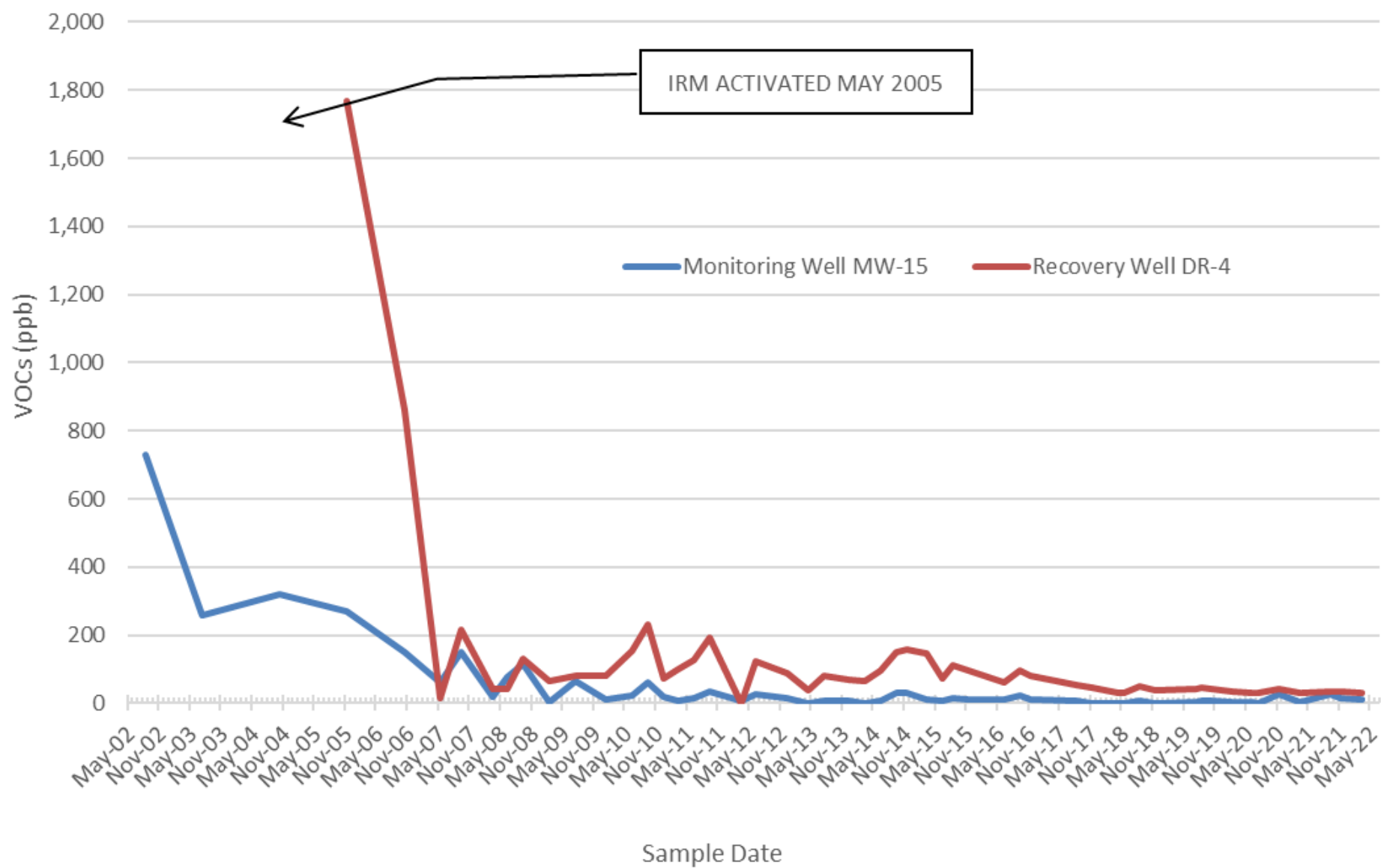




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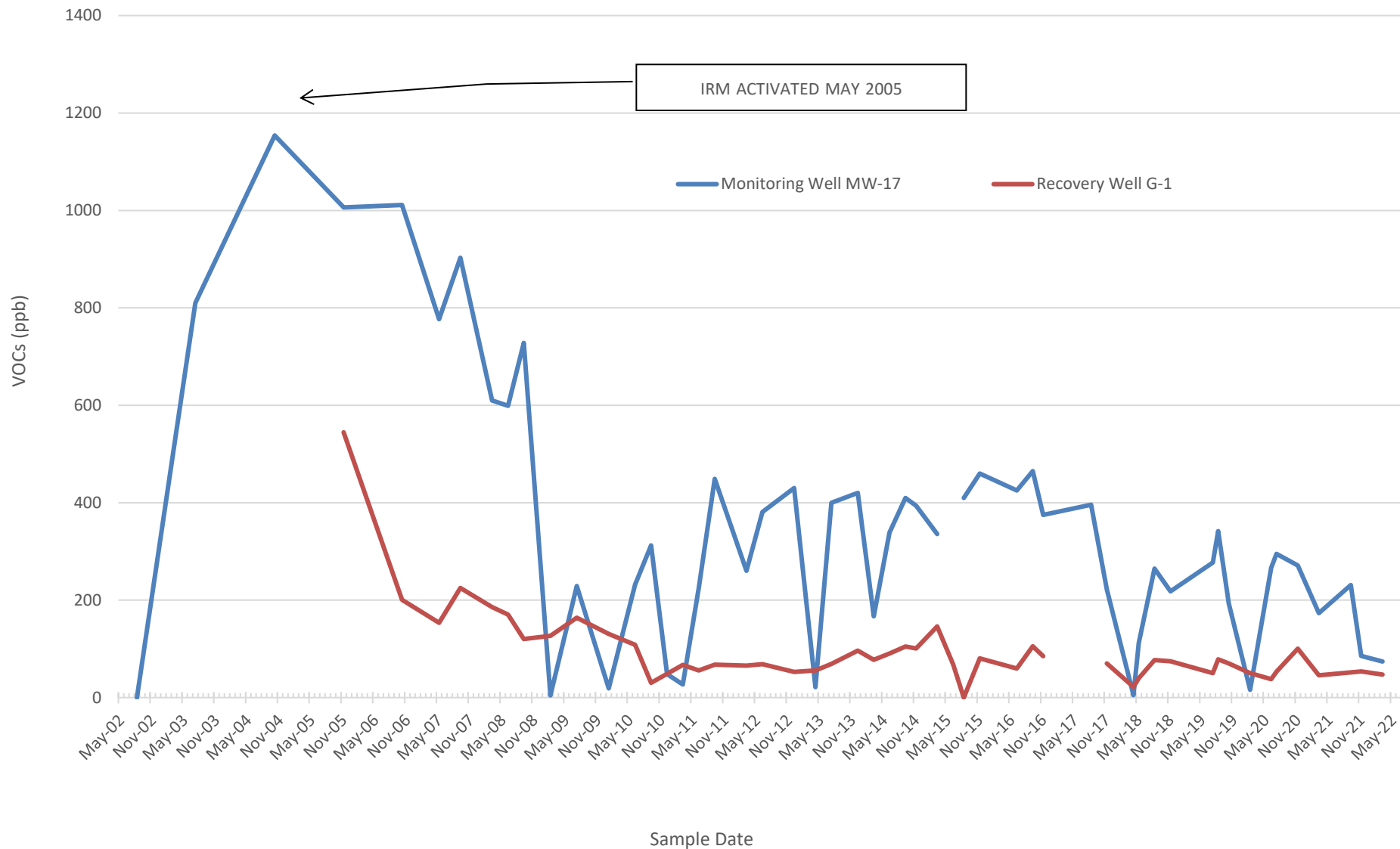
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MW-15 and DR-4



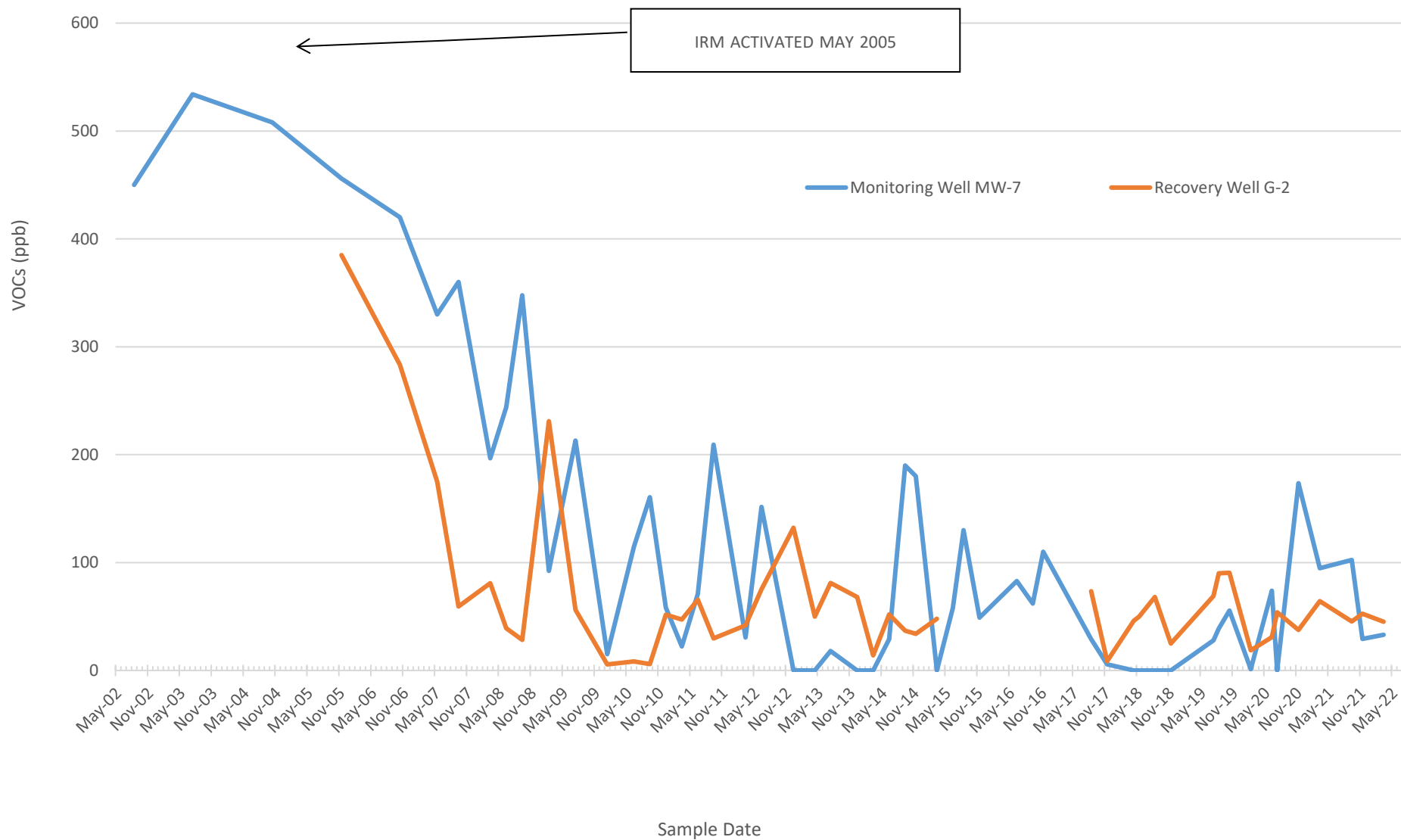


MW-17 and G-1





MW-7 and G-2

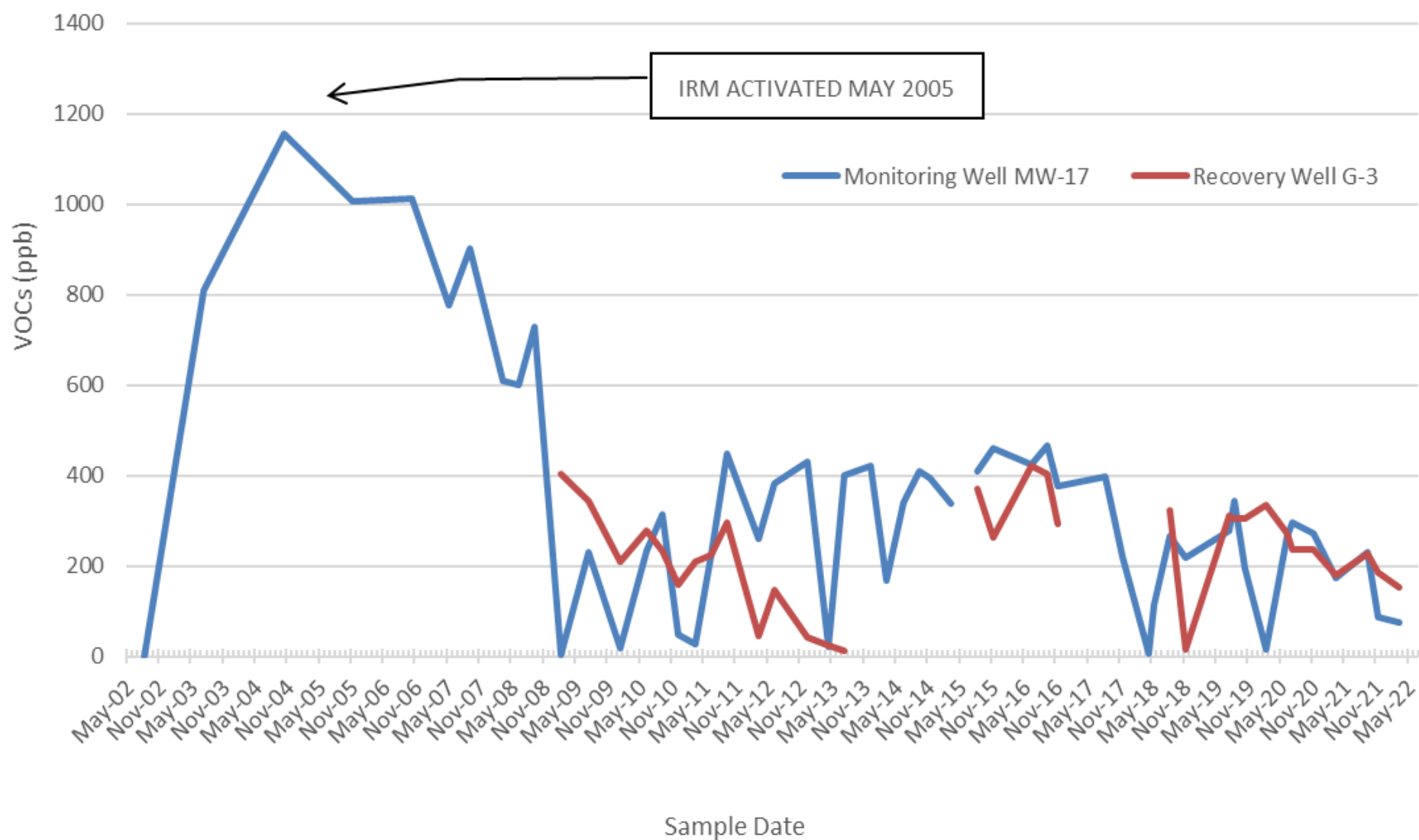




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MW-17 and G-3





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APPENDICES



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APPENDIX A:
Laboratory Analytical Results Report -
March 2022 Sampling Event



ANALYTICAL REPORT

Lab Number:	L2215692
Client:	Bergmann Associates 280 E Broad Street Rochester, NY 14604
ATTN:	Ariadna Cheremeteff
Phone:	(585) 498-7950
Project Name:	GOWANDA DAY HABITATION Q1 2022
Project Number:	Not Specified
Report Date:	04/07/22

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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: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2215692-01	MW-1	WATER	GOWANDA, NY	03/25/22 07:20	03/25/22
L2215692-02	MW-2	WATER	GOWANDA, NY	03/25/22 07:40	03/25/22
L2215692-03	MW-3	WATER	GOWANDA, NY	03/25/22 07:58	03/25/22
L2215692-04	MW-4	WATER	GOWANDA, NY	03/25/22 08:40	03/25/22
L2215692-05	MW-5	WATER	GOWANDA, NY	03/25/22 09:05	03/25/22
L2215692-06	MW-6	WATER	GOWANDA, NY	03/25/22 10:26	03/25/22
L2215692-07	MW-7	WATER	GOWANDA, NY	03/24/22 14:55	03/25/22
L2215692-08	MW-8	WATER	GOWANDA, NY	03/25/22 08:15	03/25/22
L2215692-09	MW-9	WATER	GOWANDA, NY	03/24/22 15:50	03/25/22
L2215692-10	MW-10	WATER	GOWANDA, NY	03/24/22 16:16	03/25/22
L2215692-11	MW-11	WATER	GOWANDA, NY	03/24/22 13:30	03/25/22
L2215692-12	MW-12	WATER	GOWANDA, NY	03/24/22 12:50	03/25/22
L2215692-13	MW-13	WATER	GOWANDA, NY	03/24/22 13:07	03/25/22
L2215692-14	MW-14	WATER	GOWANDA, NY	03/24/22 12:00	03/25/22
L2215692-15	MW-15	WATER	GOWANDA, NY	03/24/22 11:15	03/25/22
L2215692-16	MW-16	WATER	GOWANDA, NY	03/24/22 15:20	03/25/22
L2215692-17	MW-17	WATER	GOWANDA, NY	03/25/22 10:00	03/25/22
L2215692-18	MW-18	WATER	GOWANDA, NY	03/25/22 11:50	03/25/22
L2215692-19	MW-19R	WATER	GOWANDA, NY	03/25/22 11:30	03/25/22
L2215692-20	MW-20	WATER	GOWANDA, NY	03/25/22 10:47	03/25/22
L2215692-21	MW-21	WATER	GOWANDA, NY	03/25/22 12:10	03/25/22
L2215692-22	DR-1	WATER	GOWANDA, NY	03/24/22 13:55	03/25/22
L2215692-23	DR-2	WATER	GOWANDA, NY	03/24/22 12:35	03/25/22
L2215692-24	DR-3	WATER	GOWANDA, NY	03/24/22 14:21	03/25/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2215692-25	DR-4	WATER	GOWANDA, NY	03/24/22 11:45	03/25/22
L2215692-26	G-1	WATER	GOWANDA, NY	03/24/22 11:00	03/25/22
L2215692-27	G-2	WATER	GOWANDA, NY	03/24/22 10:30	03/25/22
L2215692-28	G-3	WATER	GOWANDA, NY	03/25/22 09:37	03/25/22
L2215692-29	EQUIPMENT BLANK	WATER	GOWANDA, NY	03/25/22 12:17	03/25/22
L2215692-30	MWX	WATER	GOWANDA, NY	03/25/22 00:00	03/25/22
L2215692-31	TRIP BLANK	WATER	GOWANDA, NY	03/25/22 00:00	03/25/22

Project Name: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

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: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

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

L2215692-24: The collection date and time on the chain of custody was 24-MAR-22 14:23; however, the collection date/time on the container label was 24-MAR-22 14:21. At the client's request, the collection date/time is reported as 24-MAR-22 14:21.

Volatile Organics

L2215692-06: The sample was received in the proper acid-preserved containers; however, upon analysis, the pH was determined to be greater than 2, and thus the method required holding time was exceeded.

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:



Sebastian Corbin

Title: Technical Director/Representative

Date: 04/07/22

ORGANICS

VOLATILES

Project Name: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-01 D
Client ID: MW-1
Sample Location: GOWANDA, NY

Date Collected: 03/25/22 07:20
Date Received: 03/25/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/04/22 11:07
Analyst: MV

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	0.39	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	4.2	J	ug/l	6.2	1.8	2.5
Trichloroethene	320		ug/l	1.2	0.44	2.5
1,2-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5

Project Name: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-01 D
Client ID: MW-1
Sample Location: GOWANDA, NY

Date Collected: 03/25/22 07:20
Date Received: 03/25/22
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	2.0	J	ug/l	6.2	1.8	2.5
o-Xylene	ND		ug/l	6.2	1.8	2.5
cis-1,2-Dichloroethene	58		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	116		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	110		70-130

Project Name: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-02
Client ID: MW-2
Sample Location: GOWANDA, NY

Date Collected: 03/25/22 07:40
Date Received: 03/25/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/04/22 11:30
Analyst: MV

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: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-02
Client ID: MW-2
Sample Location: GOWANDA, NY

Date Collected: 03/25/22 07:40
Date Received: 03/25/22
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	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	2.4	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	120		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	114		70-130

Project Name: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-03
Client ID: MW-3
Sample Location: GOWANDA, NY

Date Collected: 03/25/22 07:58
Date Received: 03/25/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/04/22 11:53
Analyst: MV

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	0.25	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-03
Client ID: MW-3
Sample Location: GOWANDA, NY

Date Collected: 03/25/22 07:58
Date Received: 03/25/22
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	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	122		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	111		70-130

Project Name: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-04
Client ID: MW-4
Sample Location: GOWANDA, NY

Date Collected: 03/25/22 08:40
Date Received: 03/25/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/04/22 12:16
Analyst: MV

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: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-04
Client ID: MW-4
Sample Location: GOWANDA, NY

Date Collected: 03/25/22 08:40
Date Received: 03/25/22
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	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	2.1	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	120		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	112		70-130

Project Name: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-05
Client ID: MW-5
Sample Location: GOWANDA, NY

Date Collected: 03/25/22 09:05
Date Received: 03/25/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/04/22 12:40
Analyst: MV

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	0.60		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-05
Client ID: MW-5
Sample Location: GOWANDA, NY

Date Collected: 03/25/22 09:05
Date Received: 03/25/22
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	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	2.2	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	121		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	114		70-130

Project Name: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-06
Client ID: MW-6
Sample Location: GOWANDA, NY

Date Collected: 03/25/22 10:26
Date Received: 03/25/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/04/22 13:03
Analyst: MV

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	45		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	0.21	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-06
Client ID: MW-6
Sample Location: GOWANDA, NY

Date Collected: 03/25/22 10:26
Date Received: 03/25/22
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	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	47		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	2.3	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	119		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	112		70-130

Project Name: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-07
Client ID: MW-7
Sample Location: GOWANDA, NY

Date Collected: 03/24/22 14:55
Date Received: 03/25/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/02/22 19:15
Analyst: MV

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	0.55	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	0.51		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-07
Client ID: MW-7
Sample Location: GOWANDA, NY

Date Collected: 03/24/22 14:55
Date Received: 03/25/22
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	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	32		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	1.4	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	113		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	125		70-130

Project Name: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-08
Client ID: MW-8
Sample Location: GOWANDA, NY

Date Collected: 03/25/22 08:15
Date Received: 03/25/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/04/22 13:26
Analyst: MV

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: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-08
Client ID: MW-8
Sample Location: GOWANDA, NY

Date Collected: 03/25/22 08:15
Date Received: 03/25/22
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	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	119		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	114		70-130

Project Name: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-09
Client ID: MW-9
Sample Location: GOWANDA, NY

Date Collected: 03/24/22 15:50
Date Received: 03/25/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/02/22 19:40
Analyst: MV

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: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-09
Client ID: MW-9
Sample Location: GOWANDA, NY

Date Collected: 03/24/22 15:50
Date Received: 03/25/22
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	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	115		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	119		70-130

Project Name: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-10
Client ID: MW-10
Sample Location: GOWANDA, NY

Date Collected: 03/24/22 16:16
Date Received: 03/25/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/02/22 20:04
Analyst: MV

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: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-10
Client ID: MW-10
Sample Location: GOWANDA, NY

Date Collected: 03/24/22 16:16
Date Received: 03/25/22
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	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	117		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	83		70-130
Dibromofluoromethane	123		70-130

Project Name: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-11 D
Client ID: MW-11
Sample Location: GOWANDA, NY

Date Collected: 03/24/22 13:30
Date Received: 03/25/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/02/22 23:46
Analyst: MV

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	2.3	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	8.3		ug/l	6.2	1.8	2.5
Trichloroethene	320		ug/l	1.2	0.44	2.5
1,2-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5

Project Name: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-11 D
Client ID: MW-11
Sample Location: GOWANDA, NY

Date Collected: 03/24/22 13:30
Date Received: 03/25/22
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	90		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	112		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	117		70-130

Project Name: GOWANDA DAY HABITATION Q1 2022**Lab Number:** L2215692**Project Number:** Not Specified**Report Date:** 04/07/22**SAMPLE RESULTS**

Lab ID: L2215692-12 D

Date Collected: 03/24/22 12:50

Client ID: MW-12

Date Received: 03/25/22

Sample Location: GOWANDA, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 04/03/22 00:11

Analyst: MV

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	8.7		ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	0.61	J	ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	2.2	J	ug/l	5.0	1.4	2
Trichloroethene	21		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2

Project Name: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-12 D
Client ID: MW-12
Sample Location: GOWANDA, NY

Date Collected: 03/24/22 12:50
Date Received: 03/25/22
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	240		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	118		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	119		70-130

Project Name: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-13
Client ID: MW-13
Sample Location: GOWANDA, NY

Date Collected: 03/24/22 13:07
Date Received: 03/25/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/02/22 20:29
Analyst: MV

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	0.12	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	0.99		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-13
Client ID: MW-13
Sample Location: GOWANDA, NY

Date Collected: 03/24/22 13:07
Date Received: 03/25/22
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	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	4.0		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	115		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	122		70-130

Project Name: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-14
Client ID: MW-14
Sample Location: GOWANDA, NY

Date Collected: 03/24/22 12:00
Date Received: 03/25/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/02/22 20:54
Analyst: MV

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	2.5		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.21	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	0.85	J	ug/l	2.5	0.70	1
Trichloroethene	9.1		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-14
Client ID: MW-14
Sample Location: GOWANDA, NY

Date Collected: 03/24/22 12:00
Date Received: 03/25/22
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	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	92		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	1.3	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	115		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	117		70-130

Project Name: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-15
Client ID: MW-15
Sample Location: GOWANDA, NY

Date Collected: 03/24/22 11:15
Date Received: 03/25/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/02/22 21:18
Analyst: MV

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	5.9		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-15
Client ID: MW-15
Sample Location: GOWANDA, NY

Date Collected: 03/24/22 11:15
Date Received: 03/25/22
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	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	3.5		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	114		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	120		70-130

Project Name: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-16
Client ID: MW-16
Sample Location: GOWANDA, NY

Date Collected: 03/24/22 15:20
Date Received: 03/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/04/22 13:49
Analyst: MV

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	0.72	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	0.30	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-16
Client ID: MW-16
Sample Location: GOWANDA, NY

Date Collected: 03/24/22 15:20
Date Received: 03/25/22
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	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	34		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	1.9	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	120		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	114		70-130

Project Name: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-17
Client ID: MW-17
Sample Location: GOWANDA, NY

Date Collected: 03/25/22 10:00
Date Received: 03/25/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/04/22 14:13
Analyst: MV

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	0.32	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	11		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-17
Client ID: MW-17
Sample Location: GOWANDA, NY

Date Collected: 03/25/22 10:00
Date Received: 03/25/22
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	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	74		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	1.0	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	121		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	112		70-130

Project Name: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-18
Client ID: MW-18
Sample Location: GOWANDA, NY

Date Collected: 03/25/22 11:50
Date Received: 03/25/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/04/22 14:36
Analyst: MV

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	0.68		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-18
Client ID: MW-18
Sample Location: GOWANDA, NY

Date Collected: 03/25/22 11:50
Date Received: 03/25/22
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	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	3.2		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	122		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	115		70-130

Project Name: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-19
Client ID: MW-19R
Sample Location: GOWANDA, NY

Date Collected: 03/25/22 11:30
Date Received: 03/25/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/04/22 15:00
Analyst: MV

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	0.25	J	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	0.30	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-19
Client ID: MW-19R
Sample Location: GOWANDA, NY

Date Collected: 03/25/22 11:30
Date Received: 03/25/22
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	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	123		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	108		70-130

Project Name: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-20
Client ID: MW-20
Sample Location: GOWANDA, NY

Date Collected: 03/25/22 10:47
Date Received: 03/25/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/04/22 15:23
Analyst: MV

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: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-20
Client ID: MW-20
Sample Location: GOWANDA, NY

Date Collected: 03/25/22 10:47
Date Received: 03/25/22
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	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	123		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	114		70-130

Project Name: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-21
Client ID: MW-21
Sample Location: GOWANDA, NY

Date Collected: 03/25/22 12:10
Date Received: 03/25/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/04/22 13:12
Analyst: AJK

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	0.16	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	1.2		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-21
Client ID: MW-21
Sample Location: GOWANDA, NY

Date Collected: 03/25/22 12:10
Date Received: 03/25/22
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	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	6.4		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	123		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	105		70-130

Project Name: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-22 **D**
Client ID: DR-1
Sample Location: GOWANDA, NY

Date Collected: 03/24/22 13:55
Date Received: 03/25/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/03/22 00:35
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	10	2.8	4
1,1-Dichloroethane	ND		ug/l	10	2.8	4
Chloroform	ND		ug/l	10	2.8	4
Carbon tetrachloride	ND		ug/l	2.0	0.54	4
1,2-Dichloropropane	ND		ug/l	4.0	0.55	4
Dibromochloromethane	ND		ug/l	2.0	0.60	4
1,1,2-Trichloroethane	ND		ug/l	6.0	2.0	4
Tetrachloroethene	ND		ug/l	2.0	0.72	4
Chlorobenzene	ND		ug/l	10	2.8	4
Trichlorofluoromethane	ND		ug/l	10	2.8	4
1,2-Dichloroethane	ND		ug/l	2.0	0.53	4
1,1,1-Trichloroethane	ND		ug/l	10	2.8	4
Bromodichloromethane	ND		ug/l	2.0	0.77	4
trans-1,3-Dichloropropene	ND		ug/l	2.0	0.66	4
cis-1,3-Dichloropropene	ND		ug/l	2.0	0.58	4
Bromoform	ND		ug/l	8.0	2.6	4
1,1,2,2-Tetrachloroethane	ND		ug/l	2.0	0.67	4
Benzene	ND		ug/l	2.0	0.64	4
Toluene	ND		ug/l	10	2.8	4
Ethylbenzene	ND		ug/l	10	2.8	4
Chloromethane	ND		ug/l	10	2.8	4
Bromomethane	ND		ug/l	10	2.8	4
Vinyl chloride	20		ug/l	4.0	0.28	4
Chloroethane	ND		ug/l	10	2.8	4
1,1-Dichloroethene	ND		ug/l	2.0	0.68	4
trans-1,2-Dichloroethene	3.5	J	ug/l	10	2.8	4
Trichloroethene	510		ug/l	2.0	0.70	4
1,2-Dichlorobenzene	ND		ug/l	10	2.8	4

Project Name: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-22 **D**
Client ID: DR-1
Sample Location: GOWANDA, NY

Date Collected: 03/24/22 13:55
Date Received: 03/25/22
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	10	2.8	4
1,4-Dichlorobenzene	ND		ug/l	10	2.8	4
Methyl tert butyl ether	ND		ug/l	10	2.8	4
p/m-Xylene	ND		ug/l	10	2.8	4
o-Xylene	ND		ug/l	10	2.8	4
cis-1,2-Dichloroethene	130		ug/l	10	2.8	4
Styrene	ND		ug/l	10	2.8	4
Dichlorodifluoromethane	ND		ug/l	20	4.0	4
Acetone	ND		ug/l	20	5.8	4
Carbon disulfide	ND		ug/l	20	4.0	4
2-Butanone	ND		ug/l	20	7.8	4
4-Methyl-2-pentanone	ND		ug/l	20	4.0	4
2-Hexanone	ND		ug/l	20	4.0	4
Bromochloromethane	ND		ug/l	10	2.8	4
1,2-Dibromoethane	ND		ug/l	8.0	2.6	4
1,2-Dibromo-3-chloropropane	ND		ug/l	10	2.8	4
Isopropylbenzene	ND		ug/l	10	2.8	4
1,2,3-Trichlorobenzene	ND		ug/l	10	2.8	4
1,2,4-Trichlorobenzene	ND		ug/l	10	2.8	4
Methyl Acetate	ND		ug/l	8.0	0.94	4
Cyclohexane	ND		ug/l	40	1.1	4
1,4-Dioxane	ND		ug/l	1000	240	4
Freon-113	ND		ug/l	10	2.8	4
Methyl cyclohexane	ND		ug/l	40	1.6	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	116		70-130

Project Name: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-23
Client ID: DR-2
Sample Location: GOWANDA, NY

Date Collected: 03/24/22 12:35
Date Received: 03/25/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/02/22 21:43
Analyst: MV

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	4.2		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.21	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	0.95	J	ug/l	2.5	0.70	1
Trichloroethene	24		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-23
Client ID: DR-2
Sample Location: GOWANDA, NY

Date Collected: 03/24/22 12:35
Date Received: 03/25/22
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	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	100		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	116		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	118		70-130

Project Name: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-24
Client ID: DR-3
Sample Location: GOWANDA, NY

Date Collected: 03/24/22 14:21
Date Received: 03/25/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/02/22 22:08
Analyst: MV

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	1.0		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	25		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-24
Client ID: DR-3
Sample Location: GOWANDA, NY

Date Collected: 03/24/22 14:21
Date Received: 03/25/22
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	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	48		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	117		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	121		70-130

Project Name: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-25
Client ID: DR-4
Sample Location: GOWANDA, NY

Date Collected: 03/24/22 11:45
Date Received: 03/25/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/02/22 22:32
Analyst: MV

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	22		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-25
Client ID: DR-4
Sample Location: GOWANDA, NY

Date Collected: 03/24/22 11:45
Date Received: 03/25/22
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	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	7.0		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	115		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	123		70-130

Project Name: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-26
Client ID: G-1
Sample Location: GOWANDA, NY

Date Collected: 03/24/22 11:00
Date Received: 03/25/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/02/22 22:57
Analyst: MV

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	0.61	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	8.6		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-26
Client ID: G-1
Sample Location: GOWANDA, NY

Date Collected: 03/24/22 11:00
Date Received: 03/25/22
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	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	38		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	116		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	124		70-130

Project Name: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-27
Client ID: G-2
Sample Location: GOWANDA, NY

Date Collected: 03/24/22 10:30
Date Received: 03/25/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/02/22 23:21
Analyst: MV

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	0.83	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	0.52		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-27
Client ID: G-2
Sample Location: GOWANDA, NY

Date Collected: 03/24/22 10:30
Date Received: 03/25/22
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	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	44		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	118		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	122		70-130

Project Name: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-28
Client ID: G-3
Sample Location: GOWANDA, NY

Date Collected: 03/25/22 09:37
Date Received: 03/25/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/04/22 13:39
Analyst: AJK

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	0.55	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.32	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	1.2	J	ug/l	2.5	0.70	1
Trichloroethene	22		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-28
Client ID: G-3
Sample Location: GOWANDA, NY

Date Collected: 03/25/22 09:37
Date Received: 03/25/22
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	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	130		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	121		70-130
Toluene-d8	111		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	103		70-130

Project Name: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-29
Client ID: EQUIPMENT BLANK
Sample Location: GOWANDA, NY

Date Collected: 03/25/22 12:17
Date Received: 03/25/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/04/22 14:32
Analyst: AJK

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: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-29
Client ID: EQUIPMENT BLANK
Sample Location: GOWANDA, NY

Date Collected: 03/25/22 12:17
Date Received: 03/25/22
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	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	122		70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	104		70-130

Project Name: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-30
Client ID: MWX
Sample Location: GOWANDA, NY

Date Collected: 03/25/22 00:00
Date Received: 03/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/04/22 14:05
Analyst: AJK

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	0.45	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	13		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-30
Client ID: MWX
Sample Location: GOWANDA, NY

Date Collected: 03/25/22 00:00
Date Received: 03/25/22
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	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	96		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	1.5	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	116		70-130
Toluene-d8	111		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	105		70-130

Project Name: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-31
Client ID: TRIP BLANK
Sample Location: GOWANDA, NY

Date Collected: 03/25/22 00:00
Date Received: 03/25/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/04/22 14:58
Analyst: AJK

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: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

SAMPLE RESULTS

Lab ID: L2215692-31
Client ID: TRIP BLANK
Sample Location: GOWANDA, NY

Date Collected: 03/25/22 00:00
Date Received: 03/25/22
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	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	121		70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	106		70-130

Project Name: GOWANDA DAY HABITATION Q1 2022**Lab Number:** L2215692**Project Number:** Not Specified**Report Date:** 04/07/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/02/22 16:48
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07,09-15,22-27 Batch: WG1623461-5					
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: GOWANDA DAY HABITATION Q1 2022**Lab Number:** L2215692**Project Number:** Not Specified**Report Date:** 04/07/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/02/22 16:48
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07,09-15,22-27 Batch: WG1623461-5					
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: GOWANDA DAY HABITATION Q1 2022**Lab Number:** L2215692**Project Number:** Not Specified**Report Date:** 04/07/22**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/02/22 16:48
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07,09-15,22-27 Batch: WG1623461-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	119		70-130

Project Name: GOWANDA DAY HABITATION Q1 2022**Lab Number:** L2215692**Project Number:** Not Specified**Report Date:** 04/07/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/04/22 10:07
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 21,28-31 Batch: WG1623492-5					
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: GOWANDA DAY HABITATION Q1 2022**Lab Number:** L2215692**Project Number:** Not Specified**Report Date:** 04/07/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/04/22 10:07
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 21,28-31 Batch: WG1623492-5					
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: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/04/22 10:07
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 21,28-31 Batch: WG1623492-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	105		70-130

Project Name: GOWANDA DAY HABITATION Q1 2022**Lab Number:** L2215692**Project Number:** Not Specified**Report Date:** 04/07/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/04/22 09:11
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06,08,16-20 Batch: WG1623618-5					
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: GOWANDA DAY HABITATION Q1 2022**Lab Number:** L2215692**Project Number:** Not Specified**Report Date:** 04/07/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/04/22 09:11
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06,08,16-20 Batch: WG1623618-5					
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: GOWANDA DAY HABITATION Q1 2022**Lab Number:** L2215692**Project Number:** Not Specified**Report Date:** 04/07/22**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/04/22 09:11
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06,08,16-20 Batch: WG1623618-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	110		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: GOWANDA DAY HABITATION Q1 2022

Lab Number: L2215692

Project Number: Not Specified

Report Date: 04/07/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07,09-15,22-27 Batch: WG1623461-3 WG1623461-4								
Methylene chloride	110		110		70-130	0		20
1,1-Dichloroethane	120		110		70-130	9		20
Chloroform	110		100		70-130	10		20
Carbon tetrachloride	120		120		63-132	0		20
1,2-Dichloropropane	110		110		70-130	0		20
Dibromochloromethane	110		110		63-130	0		20
1,1,2-Trichloroethane	97		98		70-130	1		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	110		110		75-130	0		20
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	110		100		67-130	10		20
Bromodichloromethane	110		100		67-130	10		20
trans-1,3-Dichloropropene	84		84		70-130	0		20
cis-1,3-Dichloropropene	100		99		70-130	1		20
Bromoform	94		96		54-136	2		20
1,1,2,2-Tetrachloroethane	98		98		67-130	0		20
Benzene	110		110		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	100		99		64-130	1		20
Bromomethane	170	Q	170	Q	39-139	0		20
Vinyl chloride	130		120		55-140	8		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GOWANDA DAY HABITATION Q1 2022

Lab Number: L2215692

Project Number: Not Specified

Report Date: 04/07/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07,09-15,22-27 Batch: WG1623461-3 WG1623461-4								
Chloroethane	180	Q	170	Q	55-138	6		20
1,1-Dichloroethene	110		100		61-145	10		20
trans-1,2-Dichloroethene	120		110		70-130	9		20
Trichloroethene	110		100		70-130	10		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	90		90		63-130	0		20
p/m-Xylene	110		105		70-130	5		20
o-Xylene	105		105		70-130	0		20
cis-1,2-Dichloroethene	110		110		70-130	0		20
Styrene	105		105		70-130	0		20
Dichlorodifluoromethane	74		70		36-147	6		20
Acetone	130		120		58-148	8		20
Carbon disulfide	110		100		51-130	10		20
2-Butanone	93		92		63-138	1		20
4-Methyl-2-pentanone	81		81		59-130	0		20
2-Hexanone	68		70		57-130	3		20
Bromochloromethane	120		110		70-130	9		20
1,2-Dibromoethane	94		96		70-130	2		20
1,2-Dibromo-3-chloropropane	94		94		41-144	0		20
Isopropylbenzene	96		96		70-130	0		20
1,2,3-Trichlorobenzene	93		94		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GOWANDA DAY HABITATION Q1 2022

Lab Number: L2215692

Project Number: Not Specified

Report Date: 04/07/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07,09-15,22-27 Batch: WG1623461-3 WG1623461-4								
1,2,4-Trichlorobenzene	95		97		70-130	2		20
Methyl Acetate	110		110		70-130	0		20
Cyclohexane	120		120		70-130	0		20
1,4-Dioxane	88		90		56-162	2		20
Freon-113	110		110		70-130	0		20
Methyl cyclohexane	95		94		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	105		106		70-130
Toluene-d8	101		102		70-130
4-Bromofluorobenzene	88		88		70-130
Dibromofluoromethane	105		105		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: GOWANDA DAY HABITATION Q1 2022

Lab Number: L2215692

Project Number: Not Specified

Report Date: 04/07/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 21,28-31 Batch: WG1623492-3 WG1623492-4								
Methylene chloride	99		110		70-130	11		20
1,1-Dichloroethane	110		120		70-130	9		20
Chloroform	95		110		70-130	15		20
Carbon tetrachloride	96		110		63-132	14		20
1,2-Dichloropropane	99		110		70-130	11		20
Dibromochloromethane	91		100		63-130	9		20
1,1,2-Trichloroethane	110		120		70-130	9		20
Tetrachloroethene	95		100		70-130	5		20
Chlorobenzene	99		110		75-130	11		20
Trichlorofluoromethane	100		130		62-150	26	Q	20
1,2-Dichloroethane	100		120		70-130	18		20
1,1,1-Trichloroethane	100		110		67-130	10		20
Bromodichloromethane	99		110		67-130	11		20
trans-1,3-Dichloropropene	98		110		70-130	12		20
cis-1,3-Dichloropropene	94		100		70-130	6		20
Bromoform	90		99		54-136	10		20
1,1,2,2-Tetrachloroethane	110		130		67-130	17		20
Benzene	100		110		70-130	10		20
Toluene	110		120		70-130	9		20
Ethylbenzene	100		120		70-130	18		20
Chloromethane	130		150	Q	64-130	14		20
Bromomethane	150	Q	180	Q	39-139	18		20
Vinyl chloride	120		150	Q	55-140	22	Q	20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: GOWANDA DAY HABITATION Q1 2022

Lab Number: L2215692

Project Number: Not Specified

Report Date: 04/07/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 21,28-31 Batch: WG1623492-3 WG1623492-4								
Chloroethane	140	Q	170	Q	55-138	19		20
1,1-Dichloroethene	100		120		61-145	18		20
trans-1,2-Dichloroethene	100		110		70-130	10		20
Trichloroethene	95		110		70-130	15		20
1,2-Dichlorobenzene	100		120		70-130	18		20
1,3-Dichlorobenzene	100		120		70-130	18		20
1,4-Dichlorobenzene	110		120		70-130	9		20
Methyl tert butyl ether	79		94		63-130	17		20
p/m-Xylene	105		115		70-130	9		20
o-Xylene	105		120		70-130	13		20
cis-1,2-Dichloroethene	99		110		70-130	11		20
Styrene	105		120		70-130	13		20
Dichlorodifluoromethane	140		170	Q	36-147	19		20
Acetone	82		92		58-148	11		20
Carbon disulfide	110		120		51-130	9		20
2-Butanone	74		98		63-138	28	Q	20
4-Methyl-2-pentanone	90		110		59-130	20		20
2-Hexanone	82		110		57-130	29	Q	20
Bromochloromethane	90		100		70-130	11		20
1,2-Dibromoethane	95		110		70-130	15		20
1,2-Dibromo-3-chloropropane	92		100		41-144	8		20
Isopropylbenzene	100		120		70-130	18		20
1,2,3-Trichlorobenzene	88		110		70-130	22	Q	20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GOWANDA DAY HABITATION Q1 2022

Project Number: Not Specified

Lab Number: L2215692

Report Date: 04/07/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 21,28-31 Batch: WG1623492-3 WG1623492-4								
1,2,4-Trichlorobenzene	92		100		70-130	8		20
Methyl Acetate	86		110		70-130	24	Q	20
Cyclohexane	100		120		70-130	18		20
1,4-Dioxane	80		102		56-162	24	Q	20
Freon-113	110		120		70-130	9		20
Methyl cyclohexane	100		120		70-130	18		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	117		115		70-130
Toluene-d8	108		109		70-130
4-Bromofluorobenzene	106		106		70-130
Dibromofluoromethane	100		100		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: GOWANDA DAY HABITATION Q1 2022

Lab Number: L2215692

Project Number: Not Specified

Report Date: 04/07/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06,08,16-20 Batch: WG1623618-3 WG1623618-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	110		110		70-130	0		20
Carbon tetrachloride	130		130		63-132	0		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	110		110		63-130	0		20
1,1,2-Trichloroethane	96		110		70-130	14		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	150		140		62-150	7		20
1,2-Dichloroethane	110		120		70-130	9		20
1,1,1-Trichloroethane	120		120		67-130	0		20
Bromodichloromethane	120		110		67-130	9		20
trans-1,3-Dichloropropene	110		110		70-130	0		20
cis-1,3-Dichloropropene	96		99		70-130	3		20
Bromoform	98		110		54-136	12		20
1,1,2,2-Tetrachloroethane	93		100		67-130	7		20
Benzene	100		100		70-130	0		20
Toluene	110		110		70-130	0		20
Ethylbenzene	110		110		70-130	0		20
Chloromethane	97		100		64-130	3		20
Bromomethane	120		100		39-139	18		20
Vinyl chloride	130		110		55-140	17		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GOWANDA DAY HABITATION Q1 2022

Lab Number: L2215692

Project Number: Not Specified

Report Date: 04/07/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06,08,16-20 Batch: WG1623618-3 WG1623618-4								
Chloroethane	130		120		55-138	8		20
1,1-Dichloroethene	120		110		61-145	9		20
trans-1,2-Dichloroethene	110		110		70-130	0		20
Trichloroethene	99		100		70-130	1		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	100		110		70-130	10		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	110		120		63-130	9		20
p/m-Xylene	110		110		70-130	0		20
o-Xylene	110		110		70-130	0		20
cis-1,2-Dichloroethene	100		110		70-130	10		20
Styrene	105		105		70-130	0		20
Dichlorodifluoromethane	110		120		36-147	9		20
Acetone	80		96		58-148	18		20
Carbon disulfide	120		93		51-130	25	Q	20
2-Butanone	87		93		63-138	7		20
4-Methyl-2-pentanone	83		100		59-130	19		20
2-Hexanone	89		100		57-130	12		20
Bromochloromethane	110		110		70-130	0		20
1,2-Dibromoethane	97		100		70-130	3		20
1,2-Dibromo-3-chloropropane	86		95		41-144	10		20
Isopropylbenzene	110		110		70-130	0		20
1,2,3-Trichlorobenzene	99		110		70-130	11		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GOWANDA DAY HABITATION Q1 2022

Project Number: Not Specified

Lab Number: L2215692

Report Date: 04/07/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06,08,16-20 Batch: WG1623618-3 WG1623618-4								
1,2,4-Trichlorobenzene	100		110		70-130	10		20
Methyl Acetate	90		100		70-130	11		20
Cyclohexane	110		110		70-130	0		20
1,4-Dioxane	84		104		56-162	21	Q	20
Freon-113	130		110		70-130	17		20
Methyl cyclohexane	110		100		70-130	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	113		117		70-130
Toluene-d8	103		103		70-130
4-Bromofluorobenzene	103		105		70-130
Dibromofluoromethane	108		108		70-130

Project Name: GOWANDA DAY HABITATION Q1 2022**Lab Number:** L2215692**Project Number:** Not Specified**Report Date:** 04/07/22**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(*)
L2215692-01A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-01B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-01C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-02A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-02B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-02C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-03A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-03B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-03C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-04A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-04B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-04C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-05A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-05B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-05C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-06A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-06B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-06C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-07A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-07B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-07C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-08A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-08B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)

Project Name: GOWANDA DAY HABITATION Q1 2022**Lab Number:** L2215692**Project Number:** Not Specified**Report Date:** 04/07/22**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2215692-08C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-09A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-09B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-09C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-10A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-10B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-10C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-11A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-11B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-11C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-12A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-12B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-12C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-13A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-13B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-13C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-14A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-14B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-14C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-15A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-15B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-15C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-16A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-16B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-16C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-17A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-17B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-17C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)

Project Name: GOWANDA DAY HABITATION Q1 2022**Lab Number:** L2215692**Project Number:** Not Specified**Report Date:** 04/07/22**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2215692-18A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-18B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-18C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-19A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-19B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-19C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-20A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-20B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-20C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-21A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-21B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-21C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-22A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-22B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-22C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-23A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-23B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-23C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-24A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-24B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-24C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-25A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-25B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-25C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-26A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-26B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-26C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-27A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)

Project Name: GOWANDA DAY HABITATION Q1 2022**Lab Number:** L2215692**Project Number:** Not Specified**Report Date:** 04/07/22**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2215692-27B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-27C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-28A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-28B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-28C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-29A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-29B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-29C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-30A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-30B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-30C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-31A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2215692-31B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)

Project Name: GOWANDA DAY HABITATION Q1 2022**Lab Number:** L2215692**Project Number:** Not Specified**Report Date:** 04/07/22

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: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

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.

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'.

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.

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.)

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 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.

Report Format: DU Report with 'J' Qualifiers



Project Name: GOWANDA DAY HABITATION Q1 2022**Lab Number:** L2215692**Project Number:** Not Specified**Report Date:** 04/07/22**Data Qualifiers**

- 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.)

Report Format: DU Report with 'J' Qualifiers



Project Name: GOWANDA DAY HABITATION Q1 2022
Project Number: Not Specified

Lab Number: L2215692
Report Date: 04/07/22

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.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

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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


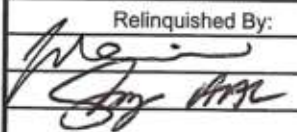
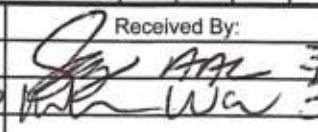
Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 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 Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		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 <div style="border: 1px solid black; padding: 2px; display: inline-block;">1 of 4</div>		Date Rec'd in Lab 3/26/22		ALPHA Job # L2215692																																																																																																																																																																																																																				
		Project Information Project Name: GOANNA Day Habilitation Q1 2022 Project Location: GOANNA, NY Project # _____ (Use Project name as Project #) <input type="checkbox"/>		Deliverables <input type="checkbox"/> ASP-A <input type="checkbox"/> ASP-B <input type="checkbox"/> EQUIS (1 File) <input checked="" type="checkbox"/> EQUIS (4 File) <input type="checkbox"/> Other		Billing Information <input type="checkbox"/> Same as Client Info PO # _____																																																																																																																																																																																																																						
Client Information Client: BERGMANN Address: 280 E. Grand St, #200 ROchester, NY 14604 Phone: 585-232-5135 Fax: _____ Email: ACheremette@BergmannPL.com		Project Manager: ARIADNA Cheremette ALPHAQuote #: _____ Turn-Around Time Standard <input checked="" type="checkbox"/> Due Date: _____ Rush (only if pre approved) <input type="checkbox"/> # of Days: _____		Regulatory Requirement <input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other: _____																																																																																																																																																																																																																						
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		Project Information Project Name: Gowanus Day Habitation Q1 2022 Project Location: Gowanus, NY Project # _____ (Use Project name as Project #) <input type="checkbox"/>		Deliverables <input type="checkbox"/> ASP-A <input type="checkbox"/> ASP-B <input type="checkbox"/> EQUIS (1 File) <input checked="" type="checkbox"/> EQUIS (4 File) <input type="checkbox"/> Other		Billing Information <input type="checkbox"/> Same as Client Info PO # _____					
Client Information Client: Benjamin Address: 285 E. Grand St, #200 Brooklyn NY 11201 Phone: 585-232-5139 Fax: _____ Email: Athens@Benjamin.com		Project Manager: Adriana Cherevatsky ALPHAQuote #: _____ Turn-Around Time Standard <input checked="" type="checkbox"/> Due Date: _____ Rush (only if pre approved) <input type="checkbox"/> # of Days: _____		Regulatory Requirement <input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other: _____					
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Please specify Metals or TAL.						<div style="writing-mode: vertical-rl; transform: rotate(180deg);"> Total Bottles </div>					
ALPHA Lab ID (Lab Use Only)		Sample ID		Collection				Sample Matrix		Sampler's Initials	
				Date Time							
15692-11		MW-11		3/24/22 13:30				GLW		JLb	
-12		MW-12		3/24/22 12:50				GLW		JLb	
-13		MW-13		3/24/22 13:07				GLW		JLb	
-14		MW-14		3/24/22 12:00				GLW		JLb	
-15		MW-15		3/24/22 11:15				GLW		JLb	
-16		MW-16		3/24/22 15:20				GLW		JLb	
-17		MW-17		3/25/22 10:00				GLW		JLb	
-18		MW-18		3/25/22 11:50		GLW		JLb			
-19		MW-19R		3/25/22 11:30		GLW		JLb			
-20		MW-20		3/25/22 10:17		GLW		JLb			
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O 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 G Preservative HCL		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.)			
Relinquished By: 		Date/Time 3/25/22 12:30 3/25/22 13:40		Received By: 		Date/Time 3/25/22 12:30 3/26/22 00:15					

 NEW YORK CHAIN OF CUSTODY 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 3 of 4		Date Rec'd in Lab 3/26/22		ALPHA Job # L2215692	
		Project Information Project Name: Gardens Day Rehabilitation Q1 2022 Project Location: Gardens, NY Project # (Use Project name as Project #) <input type="checkbox"/> Project Manager: Adriana Cheredoff ALPHAQuote #: Turn-Around Time Standard <input type="checkbox"/> Due Date: Rush (only if pre approved) <input type="checkbox"/> # of Days:		Deliverables: <input type="checkbox"/> ASP-A <input type="checkbox"/> ASP-B <input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> EQUIS (4 File) <input type="checkbox"/> Other		Billing Information <input type="checkbox"/> Same as Client Info PO #			
Client Information Client: Beyman Address: 280 E Broad St, #200 Brooklyn NY 11201 Phone: 585-232-5134 Fax: Email: ACheredoff@Beyman.com		Regulatory Requirement <input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other:					
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ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date Time	Sample Matrix	Sampler's Initials					
15692-21	MW-21	3/25/22 12:10	GLW	Jro	X				
-22	DR-1	3/24/22 13:55	GLW	Jro	X				
-23	DR-2	3/24/22 12:35	GLW	Jro	X				
-24	DR-3	3/24/22 14:23	GLW	Jro	X				
-25	DR-4	3/24/22 11:45	GLW	Jro	X				
-26	G-1	3/24/22 11:00	GLW	Jro	X				
-27	G-2	3/24/22 10:30	GLW	Jro	X				
-28	G-3	3/25/22 9:37	GLW	Jro	X				
-29	Equipment Blank	3/25/22 12:17	GLW	Jro	X				
-30	MW-X	3/25/22	GLW	Jro	X				
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O 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 G	Preservative HCl					
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Form No: 01-25 HC (rev. 30-Sept-2013)		Date/Time 3/26/22 1340		Date/Time 3/26/22 0015					

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				4 of 4						
Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288		Project Information Project Name: <u>Canada Day Habitat in Q1 2022</u> Project Location: <u>Canada, NY</u> Project # _____ (Use Project name as Project #) <input type="checkbox"/>				Deliverables <input type="checkbox"/> ASP-A <input type="checkbox"/> ASP-B <input type="checkbox"/> EQUIS (1 File) <input checked="" type="checkbox"/> EQUIS (4 File) <input type="checkbox"/> Other		Billing Information <input type="checkbox"/> Same as Client Info PO # _____		
Client Information Client: <u>Beymann</u> Address: <u>280 E Broad St #200</u> <u>Roberta, NY 14664</u> Phone: <u>585-232-5134</u> Fax: _____ Email: <u>Acheronette@Beymann.com</u>		Project Manager: <u>Alanna Cherone</u> ALPHAQuote #: _____ Turn-Around Time Standard <input checked="" type="checkbox"/> Due Date: _____ Rush (only if pre approved) <input type="checkbox"/> # of Days: _____				Regulatory Requirement <input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: _____ <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other: _____		
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15692-31		Trip Blank				W				
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Form No: 01-25 HC (rev. 30-Sept-2013)		Relinquished By:		Date/Time		Received By:		Date/Time		
		<u>[Signature]</u>		3/15/22 1230		<u>[Signature]</u>		3/25/22 1230		
		<u>[Signature]</u>		3/25/22 1340		<u>[Signature]</u>		3/26/22 005		



BERGMANN
ARCHITECTS ENGINEERS PLANNERS

FIELD FORMS

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q1 2022
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 3/25/2022
Weather: 40 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 5.65
Depth to bottom of the well: 16.02
Length of water column in well: 10.37

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

Volume of water in well casing, gallons: 1.6903
3 Well volumes (= length water column X gal/foot X 3): 5.07
Actual volume purged prior to sampling: 5.25
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer
Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
Turbidity	718.23	NTU								
Temperature	7.5	°C								
pH	6.97									
Conductivity	0.532	SPC ms/cm								
Oxygen	5.46	DO mg/L								
Salinity										

Time sample was collected: 7:20

COMMENTS

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q1 2022
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 3/25/2022
Weather: 40 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 5.3
Depth to bottom of the well: 17.15
Length of water column in well: 11.85

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

Volume of water in well casing, gallons: 1.93
3 Well volumes (= length water column X gal/foot X 3): 5.79
Actual volume purged prior to sampling: 6
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer
Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
Turbidity	662.25	NTU								
Temperature	7.1	°C								
pH	7.12									
Conductivity	0.457	SPC ms/cm								
Oxygen	6.23	DO mg/L								
Salinity										

Time sample was collected: 7:40

COMMENTS

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q1 2022
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 3/25/2022
Weather: 40 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 5.85
Depth to bottom of the well: 16.30
Length of water column in well: 10.45

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

Volume of water in well casing, gallons: 1.7
3 Well volumes (= length water column X gal/foot X 3): 5.11
Actual volume purged prior to sampling: 5.25
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
Turbidity	842.35	NTU								
Temperature	7.9	°C								
pH	7.01									
Conductivity	0.34	SPC ms/cm								
Oxygen	3.14	DO mg/L								
Salinity										

Time sample was collected: 7:58

COMMENTS

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q1 2022
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 3/25/2022
Weather: 40 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 6.95
Depth to bottom of the well: 15.78
Length of water column in well: 8.83

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

Volume of water in well casing, gallons: 1.4393
3 Well volumes (= length water column X gal/foot X 3): 4.3179
Actual volume purged prior to sampling: 4.33
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer
Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
Turbidity	1384.7	NTU								
Temperature	7.8	°C								
pH	7.09									
Conductivity	0.008	SPC ms/cm								
Oxygen	7.3	DO mg/L								
Salinity										

Time sample was collected: 9:36

COMMENTS

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q1 2022
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 3/25/2022
Weather: 40 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 10.7
Depth to bottom of the well: 13.95
Length of water column in well: 3.25

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

Volume of water in well casing, gallons: 0.53
3 Well volumes (= length water column X gal/foot X 3): 1.59
Actual volume purged prior to sampling: 1.75
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer
Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
Turbidity	418.05	NTU								
Temperature	8.2	°C								
pH	7.05									
Conductivity	0.315	SPC ms/cm								
Oxygen	226.4	DO mg/L								
Salinity										

Time sample was collected: 9:05

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

PROJECT NAME: Gowanda Q1 2022
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 3/25/2022
Weather: 40 Degrees F
Personnel: Justin L. O'Brien



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GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 13.2
Depth to bottom of the well: 22.88
Length of water column in well: 9.68

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

Volume of water in well casing, gallons: 1.58
3 Well volumes (= length water column X gal/foot X 3): 4.73
Actual volume purged prior to sampling: 4.75
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer
Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
Turbidity	2047	NTU								
Temperature	10.6	°C								
pH	7.17									
Conductivity	0.343	SPC ms/cm								
Oxygen	4.56	DO mg/L								
Salinity										

Time sample was collected: 10:26

COMMENTS

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q1 2022
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 3/24/2022
Weather: 51 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 13.15
Depth to bottom of the well: 21.8
Length of water column in well: 8.65

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

Volume of water in well casing, gallons: 1.4
3 Well volumes (= length water column X gal/foot X 3): 4.23
Actual volume purged prior to sampling: 4.25
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer
Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
Turbidity	3605	NTU								
Temperature	42.8	°C								
pH	68.9									
Conductivity	0.562	SPC ms/cm								
Oxygen	3.96	DO mg/L								
Salinity										

Time sample was collected: 14:55

COMMENTS

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q1 2022
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 3/25/2021
Weather: 40 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 9.05
Depth to bottom of the well: 17.65
Length of water column in well: 8.60

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

Volume of water in well casing, gallons: 1.40
3 Well volumes (= length water column X gal/foot X 3): 4.205
Actual volume purged prior to sampling: 4.25
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer
Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
Turbidity	2153.43	NTU								
Temperature	8.7	°C								
pH	7.03									
Conductivity	0.823	SPC ms/cm								
Oxygen	10.44	DO mg/L								
Salinity										

Time sample was collected: 8:15

COMMENTS

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q1 2022
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 3/24/2022
Weather: 51 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 8.35
Depth to bottom of the well: 20.96
Length of water column in well: 12.61

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

Volume of water in well casing, gallons: 2.06
3 Well volumes (= length water column X gal/foot X 3): 6.166
Actual volume purged prior to sampling: 6.25
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer
Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
Turbidity	3315.3	NTU								
Temperature	11.5	°C								
pH	7.03									
Conductivity	2.35	SPC ms/cm								
Oxygen	62.7	DO mg/L								
Salinity										

Time sample was collected: 15:50

COMMENTS

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q1 2022
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 3/24/2022
Weather: 51 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 6.12
Depth to bottom of the well: 19.44
Length of water column in well: 13.32

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

Volume of water in well casing, gallons: 2.2
3 Well volumes (= length water column X gal/foot X 3): 6.51
Actual volume purged prior to sampling: 6.66
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer
Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
Turbidity	355.52	NTU								
Temperature	19.1	°C								
pH	7.99									
Conductivity	0.005	SPC ms/cm								
Oxygen	9.66	DO mg/L								
Salinity										

Time sample was collected: 16:16

COMMENTS

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q1 2022
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 3/24/2022
Weather: 51 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 5.7
Depth to bottom of the well: 15.48
Length of water column in well: 9.78

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

Volume of water in well casing, gallons: 1.5941
3 Well volumes (= length water column X gal/foot X 3): 4.7824
Actual volume purged prior to sampling: 5
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer
Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
Turbidity	2354.8	NTU								
Temperature	9.7	°C								
pH	87.01									
Conductivity	0.64	SPC ms/cm								
Oxygen	9.52	DO mg/L								
Salinity										

Time sample was collected: 13:30

COMMENTS

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q1 2022
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 3/24/2022
Weather: 51 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 6.5
Depth to bottom of the well: 17.38
Length of water column in well: 10.88

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

Volume of water in well casing, gallons: 1.77
3 Well volumes (= length water column X gal/foot X 3): 5.32
Actual volume purged prior to sampling: 5.33
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer
Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
Turbidity	126.78	NTU								
Temperature	13.3	°C								
pH	7.67									
Conductivity	0.004	SPC ms/cm								
Oxygen	8.34	DO mg/L								
Salinity										

Time sample was collected: 12:50

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

PROJECT NAME: Gowanda Q1 2022
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 3/24/2022
Weather: 51 Degrees F
Personnel: Justin L. O'Brien



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GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 6.95
Depth to bottom of the well: 17.40
Length of water column in well: 10.45

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

Volume of water in well casing, gallons: 1.7034
3 Well volumes (= length water column X gal/foot X 3): 5.1101
Actual volume purged prior to sampling: 5.25
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer
Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
Turbidity	2116.82	NTU								
Temperature	11.6	°C								
pH	6.98									
Conductivity	0.521	SPC ms/cm								
Oxygen	4.51	DO mg/L								
Salinity										

Time sample was collected: 13:07

COMMENTS

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q1 2022
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 3/24/2021
Weather: 51 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 10.48
Depth to bottom of the well: 18.15
Length of water column in well: 7.67

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

Volume of water in well casing, gallons: 1.25
3 Well volumes (= length water column X gal/foot X 3): 3.75
Actual volume purged prior to sampling: 3.75
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer
Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
Turbidity	2835.88	NTU								
Temperature	12	°C								
pH	7.05									
Conductivity	0.606	SPC ms/cm								
Oxygen	6.46	DO mg/L								
Salinity										

Time sample was collected: 12:00

COMMENTS

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q1 2022
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 3/24/2021
Weather: 51 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 10.45
Depth to bottom of the well: 19.80
Length of water column in well: 9.35

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

Volume of water in well casing, gallons: 1.5241
3 Well volumes (= length water column X gal/foot X 3): 4.57
Actual volume purged prior to sampling: 4.75
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged?
Required Analysis:

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
Turbidity	2316.5	NTU								
Temperature	11.7	°C								
pH	6.96									
Conductivity	0.51	SPC ms/cm								
Oxygen	5.21	DO mg/L								
Salinity										

Time sample was collected: 11:15

COMMENTS

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q1 2022
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 3/24/2022
Weather: 48 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 12.8
Depth to bottom of the well: 23.26
Length of water column in well: 10.46

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

Volume of water in well casing, gallons: 1.705
3 Well volumes (= length water column X gal/foot X 3): 5.1149
Actual volume purged prior to sampling: 5.25
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer
Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
Turbidity	2408.9	NTU								
Temperature	13.4	°C								
pH	6.98									
Conductivity	8.678	SPC ms/cm								
Oxygen	4.97	DO mg/L								
Salinity										

Time sample was collected: 15:20

COMMENTS

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q1 2022
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 3/25/2022
Weather: 40 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 12.98
Depth to bottom of the well: 25.18
Length of water column in well: 12.2

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

Volume of water in well casing, gallons: 1.9886
3 Well volumes (= length water column X gal/foot X 3): 5.9658
Actual volume purged prior to sampling: 6
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer
Well Recharged? N/A
Required Analysis: _____

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
<i>Turbidity</i>	1819.1	NTU								
<i>Temperature</i>	8.5	°C								
<i>pH</i>	7.03									
<i>Conductivity</i>	0.324	SPC ms/cm								
<i>Oxygen</i>	7.56	DO mg/L								
<i>Salinity</i>										

Time sample was collected: 10:00

COMMENTS

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q1 2022
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 3/25/2022
Weather: 40 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 9.05
Depth to bottom of the well: 25.0
Length of water column in well: 16.0

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

Volume of water in well casing, gallons: 2.5999
3 Well volumes (= length water column X gal/foot X 3): 7.80
Actual volume purged prior to sampling: 8
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer
Well Recharged?
Required Analysis:

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
Turbidity	3624.8	NTU								
Temperature	10.3	°C								
pH	7.03									
Conductivity	0.91	SPC ms/cm								
Oxygen	6.28	DO mg/L								
Salinity										

Time sample was collected: 11:50
MW-X collected from this well

COMMENTS

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q1 2022
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 3/25/2022
Weather: 40 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 7.8
Depth to bottom of the well: 17.67
Length of water column in well: 9.87

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

Volume of water in well casing, gallons: 1.6
3 Well volumes (= length water column X gal/foot X 3): 4.83
Actual volume purged prior to sampling: 5
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer
Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
Turbidity	1241.7	NTU								
Temperature	9.2	°C								
pH	7.12									
Conductivity	0.146	SPC ms/cm								
Oxygen	6.7	DO mg/L								
Salinity										

Time sample was collected: 11:30

COMMENTS

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q2 2022
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 3/25/2022
Weather: 40 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 9.6
Depth to bottom of the well: 14.75
Length of water column in well: 5.15

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

Volume of water in well casing, gallons: 0.8395
3 Well volumes (= length water column X gal/foot X 3): 2.5184
Actual volume purged prior to sampling: 2.75
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer
Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
Turbidity	1312.2	NTU								
Temperature	8.5	°C								
pH	7.35									
Conductivity	0.861	SPC ms/cm								
Oxygen	6.89	DO mg/L								
Salinity										

Time sample was collected: 10:47

COMMENTS

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q1 2022
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 3/25/2021
Weather: 40 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 7.9
Depth to bottom of the well: 15.82
Length of water column in well: 7.92

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

Volume of water in well casing, gallons: 1.291
3 Well volumes (= length water column X gal/foot X 3): 3.87
Actual volume purged prior to sampling: 4
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer
Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
Turbidity	1203.6	NTU								
Temperature	11.2	°C								
pH	7.06									
Conductivity	0.031	SPC ms/cm								
Oxygen	4.03	DO mg/L								
Salinity										

Time sample was collected: 12:10

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

PROJECT NAME: Gowanda Q1 2022
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 3/24/2022
Weather: 51 Degrees F
Personnel: Justin L. O'Brien



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ARCHITECTS ENGINEERS PLANNERS

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 6.95
Depth to bottom of the well: 18.06
Length of water column in well: 11.11

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

Volume of water in well casing, gallons: 7.2548
3 Well volumes (= length water column X gal/foot X 3): 21.764
Actual volume purged prior to sampling: 22
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer
Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
Turbidity	1993.2	NTU								
Temperature	9	°C								
pH	7.01									
Conductivity	0.618	SPC ms/cm								
Oxygen	4.34	DO mg/L								
Salinity										

Time sample was collected: 13:55

COMMENTS

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q1 2022
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 3/24/2022
Weather: 51 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 6.75
Depth to bottom of the well: 18.06
Length of water column in well: 11.31

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

Volume of water in well casing, gallons: 7.3854
3 Well volumes (= length water column X gal/foot X 3): 22.16
Actual volume purged prior to sampling: 22.25
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer
Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
Turbidity	430.37	NTU								
Temperature	11.2	°C								
pH	7.08									
Conductivity	0.607	SPC ms/cm								
Oxygen	6.73	DO mg/L								
Salinity										

Time sample was collected: 12:35

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

PROJECT NAME: Gowanda Q1 2022
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 3/24/2022
Weather: 51 Degrees F
Personnel: Justin L. O'Brien



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GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 11.52
Depth to bottom of the well: 20.45
Length of water column in well: 8.93

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

Volume of water in well casing, gallons: 5.8
3 Well volumes (= length water column X gal/foot X 3): 17.494
Actual volume purged prior to sampling: 17.5
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer
Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
Turbidity	637.2	NTU								
Temperature	11.7	°C								
pH	6.41									
Conductivity	0.076	SPC ms/cm								
Oxygen	3.87	DO mg/L								
Salinity										

Time sample was collected: 14:23

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

PROJECT NAME: Gowanda Q1 2022
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 3/24/2022
Weather: 51 Degrees F
Personnel: Justin L. O'Brien



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ARCHITECTS ENGINEERS PLANNERS

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 11.42
Depth to bottom of the well: 19.69
Length of water column in well: 8.27

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

Volume of water in well casing, gallons: 5.40
3 Well volumes (= length water column X gal/foot X 3): 16.20
Actual volume purged prior to sampling: 16.25
Sampling Methodology:
Sampling Equipment: Hand bailer
Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
Turbidity	1450.5	NTU								
Temperature	12	°C								
pH	7.12									
Conductivity	0.667	SPC ms/cm								
Oxygen	5.47	DO mg/L								
Salinity										

Time sample was collected: 11:45

COMMENTS

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q1 2022
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 3/24/2022
Weather: 51 degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 11.63
Depth to bottom of the well: 22.98
Length of water column in well: 11.35

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

Volume of water in well casing, gallons: 7.4116
3 Well volumes (= length water column X gal/foot X 3): 22.235
Actual volume purged prior to sampling: 22.5
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer
Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
Turbidity	258.77	NTU								
Temperature	11.8	°C								
pH	7.03									
Conductivity	0.616	SPC ms/cm								
Oxygen	50.4	DO mg/L								
Salinity										

Time sample was collected: 11:00

COMMENTS

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q1 2022
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 3/24/2021
Weather: 51 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 11.6
Depth to bottom of the well: 20.72
Length of water column in well: 9.12

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

Volume of water in well casing, gallons: 5.9554
3 Well volumes (= length water column X gal/foot X 3): 17.866
Actual volume purged prior to sampling: 18
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer
Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
Turbidity	466.81	NTU								
Temperature	11.4	°C								
pH	7.01									
Conductivity	0.281	SPC ms/cm								
Oxygen	46.9	DO mg/L								
Salinity										

Time sample was collected: 10:30

COMMENTS

GROUNDWATER SAMPLING WORKSHEET**BERGMANN**
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q1 2022
Project Number: 14263.07
Site Location: Gowanda, New York
Sample Date: 3/25/2021
Weather: 40 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

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

Depth to water, below top of casing: 10.7
Depth to bottom of the well: 18.15
Length of water column in well: 7.45

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

Volume of water in well casing, gallons: 4.86
3 Well volumes (= length water column X gal/foot X 3): 14.59
Actual volume purged prior to sampling: 14.75
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer
Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

Parameter:	Accumulated Volume Purged in Gallons									
Turbidity	1034	NTU								
Temperature	1.5	°C								
pH	7.07									
Conductivity	0.561	SPC ms/cm								
Oxygen	7.23	DO mg/L								
Salinity										

Time sample was collected: 9:37

COMMENTS



APPENDIX B:

IC/EC CHECKLIST

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation

625 Broadway, 11th Floor, Albany, NY 12233-7020

P: (518)402-9543 | F: (518)402-9547

www.dec.ny.gov

2/22/2022

Stephen Van Hoose
Director Of Capital Services
NYS OPWDD
44 Holland Ave.
Albany, NY 12229
stephen.e.vanhoose@opwdd.ny.gov

Re: Reminder Notice: Site Management Periodic Review Report and IC/EC Certification Submittal

Site Name: Gowanda Day Habilitation Center

Site No.: V00463

Site Address: 4 Industrial Place
Gowanda, NY 14070

Dear Stephen Van Hoose:

This letter serves as a reminder that sites in active Site Management (SM) require the submittal of a periodic progress report. This report, referred to as the Periodic Review Report (PRR), must document the implementation of, and compliance with, site-specific SM requirements. Section 6.3(b) of DER-10 *Technical Guidance for Site Investigation and Remediation* (available online at <http://www.dec.ny.gov/regulations/67386.html>) provides guidance regarding the information that must be included in the PRR. Further, if the site is comprised of multiple parcels, then you as the Certifying Party must arrange to submit one PRR for all parcels that comprise the site. The PRR must be received by the Department no later than **May 06, 2022**. Guidance on the content of a PRR is enclosed.

Site Management is defined in regulation (6 NYCRR 375-1.2(at)) and in Chapter 6 of DER-10. Depending on when the remedial program for your site was completed, SM may be governed by multiple documents (e.g., Operation, Maintenance, and Monitoring Plan; Soil Management Plan) or one comprehensive Site Management Plan.

A Site Management Plan (SMP) may contain one or all of the following elements, as applicable to the site: a plan to maintain institutional controls and/or engineering controls ("IC/EC Plan"); a plan for monitoring the performance and effectiveness of the selected remedy ("Monitoring Plan"); and/or a plan for the operation and maintenance of the selected remedy ("O&M Plan"). Additionally, the technical requirements for SM are stated in the decision document (e.g., Record of Decision) and, in some cases, the legal agreement directing the remediation of the site (e.g., order on consent, voluntary agreement, etc.).

When you submit the PRR (by the due date above), include the enclosed forms documenting that all SM requirements are being met. The Institutional Controls (ICs) portion of the form (Box 6) must be signed by you or your designated representative. If you cannot certify that all SM requirements are being met, you must submit a Corrective Measures Work Plan that identifies the actions to be taken to restore compliance. The work plan must include a schedule to be approved by the Department. The Periodic Review process will not be considered complete until all necessary corrective measures are completed and all required controls are certified. Instructions for completing the certifications are enclosed.



All site-related documents and data, including the PRR, must be submitted in electronic format to the Department of Environmental Conservation. The required format for documents is an Adobe PDF file with optical character recognition and no password protection. Data must be submitted as an electronic data deliverable (EDD) according to the instructions on the following webpage:

<https://www.dec.ny.gov/chemical/62440.html>

Documents may be submitted to the project manager either through electronic mail or by using the Department's file transfer service at the following webpage:

<https://fts.dec.state.ny.us/fts/>

The Department will not approve the PRR unless all documents and data generated in support of the PRR have been submitted using the required formats and protocols.

You may contact Megan Kuczka, the Project Manager, at 716-842-2175 or megan.kuczka@dec.ny.gov with any questions or concerns about the site. Please notify the project manager before conducting inspections or field work. You may also write to the project manager at the following address:

New York State Department of Environmental Conservation
270 Michigan Ave

Buffalo, NY 14203-2915

Enclosures

PRR General Guidance
Certification Form Instructions
Certification Forms

ec: w/ enclosures

NYS OPWDD - Conrad Gerstenberger - conrad.c.gerstenberger@opwdd.ny.gov

ec: w/ enclosures

Megan Kuczka, Project Manager
Andrea Caprio, Hazardous Waste Remediation Supervisor, Region 9

Bergmann PC - Stephen DeMeo - sdemeo@BERGMANNPC.com
Bergmann PC - Ariadna Cheremeteff - acheremeteff@bergmannpc.com

Enclosure 1

Certification Instructions

I. Verification of Site Details (Box 1 and Box 2):

Answer the three questions in the Verification of Site Details Section. The Owner and/or Qualified Environmental Professional (QEP) may include handwritten changes and/or other supporting documentation, as necessary.

II. Certification of Institutional Controls/ Engineering Controls (IC/ECs)(Boxes 3, 4, and 5)

1.1.1. Review the listed IC/ECs, confirming that all existing controls are listed, and that all existing controls are still applicable. If there is a control that is no longer applicable the Owner / Remedial Party should petition the Department separately to request approval to remove the control.

2. In Box 5, complete certifications for all Plan components, as applicable, by checking the corresponding checkbox.

3. If you cannot certify "YES" for each Control listed in Box 3 & Box 4, sign and date the form in Box 5. Attach supporting documentation that explains why the **Certification** cannot be rendered, as well as a plan of proposed corrective measures, and an associated schedule for completing the corrective measures. Note that this **Certification** form must be submitted even if an IC or EC cannot be certified; however, the certification process will not be considered complete until corrective action is completed.

If the Department concurs with the explanation, the proposed corrective measures, and the proposed schedule, a letter authorizing the implementation of those corrective measures will be issued by the Department's Project Manager. Once the corrective measures are complete, a new Periodic Review Report (with IC/EC Certification) must be submitted within 45 days to the Department. If the Department has any questions or concerns regarding the PRR and/or completion of the IC/EC Certification, the Project Manager will contact you.

III. IC/EC Certification by Signature (Box 6 and Box 7):

If you certified "YES" for each Control, please complete and sign the IC/EC Certifications page as follows:

- For the Institutional Controls on the use of the property, the certification statement in Box 6 shall be completed and may be made by the property owner or designated representative.
- For the Engineering Controls, the certification statement in Box 7 must be completed by a Professional Engineer or Qualified Environmental Professional, as noted on the form.



Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form



Site Details

Box 1

Site No. **V00463**

Site Name **Gowanda Day Habilitation Center**

Site Address: 4 Industrial Place Zip Code: 14070
City/Town: Gowanda
County: Cattaraugus
Site Acreage: 5.940

Reporting Period: April 06, 2021 to April 06, 2022

YES NO

1. Is the information above correct? ☒ ☐

If NO, include handwritten above or on a separate sheet.

2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period? ☐ ☒

3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))? ☐ ☒

4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period? ☐ ☒

If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.

5. Is the site currently undergoing development? ☐ ☒

Box 2

YES NO

6. Is the current site use consistent with the use(s) listed below? ☒ ☐
Commercial and Industrial

7. Are all ICs in place and functioning as designed? ☒ ☐

**IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and
DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.**

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

Description of Institutional ControlsParcelOwnerInstitutional Control

16.027-2-11

NYS OPWDD

Ground Water Use Restriction
Soil Management Plan
Building Use Restriction
O&M Plan

Site is deed restricted with an SMP (2/22/2008). There is use restriction for industrial and commercial, excluding, medical and day care services. Further restriction is that a sub-slab vapor mitigation system is required before occupancy.

Description of Engineering Controls

None Required

Not Applicable/No EC's

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;

b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and complete.

YES NO



2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

(a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

(b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

(c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

(d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

(e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES NO



**IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and
DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.**

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. V00463

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Mufuta Tshimanga at 280 E Broad St #200, Rochester, NY, 14604
print name print business address

am certifying as Owners Representative (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.





5/6/2022

Signature of Owner, Remedial Party, or Designated Representative
Rendering Certification

Date

Enclosure 3
Periodic Review Report (PRR) General Guidance

- I. Executive Summary: (1/2-page or less)
 - A. Provide a brief summary of site, nature and extent of contamination, and remedial history.
 - B. Effectiveness of the Remedial Program - Provide overall conclusions regarding;
 - 1. progress made during the reporting period toward meeting the remedial objectives for the site
 - 2. the ultimate ability of the remedial program to achieve the remedial objectives for the site.
 - C. Compliance
 - 1. Identify any areas of non-compliance regarding the major elements of the Site Management Plan (SMP, i.e., the Institutional/Engineering Control (IC/EC) Plan, the Monitoring Plan, and the Operation & Maintenance (O&M) Plan).
 - 2. Propose steps to be taken and a schedule to correct any areas of non-compliance.
 - D. Recommendations
 - 1. recommend whether any changes to the SMP are needed
 - 2. recommend any changes to the frequency for submittal of PRRs (increase, decrease)
 - 3. recommend whether the requirements for discontinuing site management have been met.
- II. Site Overview (one page or less)
 - A. Describe the site location, boundaries (figure), significant features, surrounding area, and the nature and extent of contamination prior to site remediation.
 - B. Describe the chronology of the main features of the remedial program for the site, the components of the selected remedy, cleanup goals, site closure criteria, and any significant changes to the selected remedy that have been made since remedy selection.
- III. Evaluate Remedy Performance, Effectiveness, and Protectiveness
Using tables, graphs, charts and bulleted text to the extent practicable, describe the effectiveness of the remedy in achieving the remedial goals for the site. Base findings, recommendations, and conclusions on objective data. Evaluations and should be presented simply and concisely.
- IV. IC/EC Plan Compliance Report (if applicable)
 - A. IC/EC Requirements and Compliance
 - 1. Describe each control, its objective, and how performance of the control is evaluated.
 - 2. Summarize the status of each goal (whether it is fully in place and its effectiveness).
 - 3. Corrective Measures: describe steps proposed to address any deficiencies in ICECs.
 - 4. Conclusions and recommendations for changes.
 - B. IC/EC Certification
 - 1. The certification must be complete (even if there are IC/EC deficiencies), and certified by the appropriate party as set forth in a Department-approved certification form(s).
- V. Monitoring Plan Compliance Report (if applicable)
 - A. Components of the Monitoring Plan (tabular presentations preferred) - Describe the requirements of the monitoring plan by media (i.e., soil, groundwater, sediment, etc.) and by any remedial technologies being used at the site.
 - B. Summary of Monitoring Completed During Reporting Period - Describe the monitoring tasks actually completed during this PRR reporting period. Tables and/or figures should be used to show all data.
 - C. Comparisons with Remedial Objectives - Compare the results of all monitoring with the remedial objectives for the site. Include trend analyses where possible.
 - D. Monitoring Deficiencies - Describe any ways in which monitoring did not fully comply with the monitoring plan.
 - E. Conclusions and Recommendations for Changes - Provide overall conclusions regarding the monitoring completed and the resulting evaluations regarding remedial effectiveness.
- VI. Operation & Maintenance (O&M) Plan Compliance Report (if applicable)
 - A. Components of O&M Plan - Describe the requirements of the O&M plan including required activities, frequencies, recordkeeping, etc.
 - B. Summary of O&M Completed During Reporting Period - Describe the O&M tasks actually completed during this PRR reporting period.
 - C. Evaluation of Remedial Systems - Based upon the results of the O&M activities completed, evaluated

the ability of each component of the remedy subject to O&M requirements to perform as designed/expected.

- D. O&M Deficiencies - Identify any deficiencies in complying with the O&M plan during this PRR reporting period.
- E. Conclusions and Recommendations for Improvements - Provide an overall conclusion regarding O&M for the site and identify any suggested improvements requiring changes in the O&M Plan.

VII. Overall PRR Conclusions and Recommendations

- A. Compliance with SMP - For each component of the SMP (i.e., IC/EC, monitoring, O&M), summarize;
 - 1. whether all requirements of each plan were met during the reporting period
 - 2. any requirements not met
 - 3. proposed plans and a schedule for coming into full compliance.
- B. Performance and Effectiveness of the Remedy - Based upon your evaluation of the components of the SMP, form conclusions about the performance of each component and the ability of the remedy to achieve the remedial objectives for the site.
- C. Future PRR Submittals
 - 1. Recommend, with supporting justification, whether the frequency of the submittal of PRRs should be changed (either increased or decreased).
 - 2. If the requirements for site closure have been achieved, contact the Departments Project Manager for the site to determine what, if any, additional documentation is needed to support a decision to discontinue site management.

VIII. Additional Guidance

Additional guidance regarding the preparation and submittal of an acceptable PRR can be obtained from the Departments Project Manager for the site.