



Environment

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Fall 2025 Annual Groundwater Monitoring Report, Former Carborundum Company, Hyde Park Facility Town of Niagara, Niagara County, NY NYSDEC Site No. 932036

Submitted to:

New York State Department of Environmental Conservation
Division of Environmental Remediation
700 Delaware Avenue
Buffalo, NY 14209

On behalf of:

Elm Holdings Inc.

Fall 2025 Annual Groundwater Monitoring Report, Former Carborundum Company, Hyde Park Facility Town of Niagara, Niagara County, NY NYSDEC Site No. 932036

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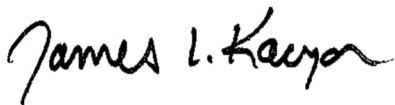
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1.0 Introduction

This Fall 2025 Annual Groundwater Monitoring Report summarizes the groundwater monitoring activities completed at the Former Carborundum Company, Hyde Park Facility (Site) in the Town of Niagara, New York (see Figure 1 – Project Location Plan). This report provides the results from the Fall 2025 annual monitoring event conducted from October 21 to 24, 2025, with a comparison to previous results. The annual groundwater monitoring is conducted on an alternating spring (even years)/fall (odd years) schedule and includes the collection of groundwater samples for the analysis of chlorinated volatile organic compounds (CVOCs) and natural attenuation parameters.

This work was completed in accordance with the groundwater monitoring work plan (DE&S 2000) for Operable Unit 2 (OU2), approved by the New York State Department of Environmental Conservation (NYSDEC), correspondence from NYSDEC dated September 28, 2005 (NYSDEC 2005), April 8, 2014 (NYSDEC 2014) and October 6, 2018 (NYSDEC 2018), and letters to NYSDEC dated August 20, 2013 (Parsons 2013) and April 3, 2014 (Parsons 2014).

The scope of the Fall 2025 annual groundwater monitoring program included:

- Collection of water level measurements from overburden and bedrock monitoring wells, injection wells, and performance monitoring wells;
- Purging of select overburden and bedrock monitoring wells and collection of field measurements of pH, temperature, specific conductivity, oxidation/reduction potential (ORP), dissolved oxygen (DO), and turbidity;
- Collection of groundwater samples from select overburden and bedrock monitoring wells for specific CVOC analyses; and,
- Collection of groundwater samples from select overburden and bedrock monitoring wells for analysis of natural attenuation parameters to aid in remedial action optimization (RAO) evaluations.

Figure 2 – Site Plan presents monitoring well locations, injection well locations, performance monitoring well locations, and site features.

2.0 Site Remedial Summary

The following section briefly summarizes the remedial work completed at the Site. Primary tasks included excavation and off-site disposal of impacted soil in 1999 and 2002, emulsified vegetable oil substrate injections in 2008, 2009, 2011 and 2013, and associated performance groundwater monitoring events. Terra Systems, Inc. (TSI) SRS®-SD was used for all overburden injections, SRS®-FR was used for all bedrock injections, and TSI-DC® bioaugmentation culture was used for microorganism bioaugmentation. Additional detail regarding Site background and remedial summaries are presented in event-specific performance reports and Five-Year Review Reports.

The following is a timeline of key remedial actions and associated groundwater monitoring:

Task	Start & Completion Date
1999 On-Site Soil (OU1) Interim Remedial Action	
Borehole Investigation and Test-Pit Pre-characterization of Soils	September 1998 – April 1999
Excavation of contaminated onsite soils and verification sampling.	May – August 1999
2000 Off-Site Soil (OU3) Interim Remedial Action	
OU3 Investigation -Extent of Contamination	August 2001
Excavation of contaminated offsite soils, and some remaining onsite soils and verification sampling.	December 2002
Initial Groundwater Monitoring Program (OU2)	
Post-Excavation Groundwater Sampling.	Year 1: October 1999; October 2000; Year 2: May 2001; November 2001; Year 3: May 2002; October 2002; Year 4: May 2003; November 2003; Year 5: May 2004; October 2004; Fall 2005: November 2005 Spring 2006: May 2006

Task	Start & Completion Date
	Fall 2007: October/November 2007 Spring 2008: April 2008
2008 Injection Event	
Baseline Performance Monitoring	August 2008
Overburden Substrate Injection (INJ-1 and INJ-2)	September 4 – 5, 2008
Overburden Bioaugmentation (INJ-1 and INJ-2)	October 21 – 22, 2008
Performance Groundwater Monitoring	October 2008, December 2008, January 2009, March 2009
2009 Injection Event	
Baseline Groundwater Monitoring	October 2009
Bedrock Substrate Injections (INJ-3 and INJ-4)	November 11 – 12, 2009
Overburden Substrate Injections (INJ-1 and INJ-2)	November 17 – 18, 2009
Overburden and Bedrock Bioaugmentation (INJ-1 through INJ-4)	December 17 – 22, 2009
Performance Groundwater Monitoring	December 2009, February 2010, March-April 2010, May 2010, November 2010
2011 Injection Event	
Overburden Injection Well Installation (INJ-5U, INJ-5L, INJ-6U, INJ-6L, INJ-7, INJ-8, INJ-9, INJ-10)	October 6 – 20, 2011
Baseline Sampling	October 20 – November 7, 2011
Overburden Substrate Injections and Bioaugmentation (INJ-1, INJ-2, INJ-5U, INJ-5L, INJ-6U, INJ-6L, INJ-7, INJ-8, INJ-9, INJ-10)	November 11 – December 13, 2011
3-month Performance Sampling	March 12 – 15, 2012
6-month Performance Sampling	June 11 – 18, 2012

Task	Start & Completion Date
12-month Performance Sampling	November 26 – 30, 2012
2013 Injection Event	
Overburden and Bedrock Substrate Injections and Bioaugmentation (INJ-1, INJ-2, INJ-3, INJ-4, MW-16B, MW-18B, INJ-9, INJ-10)	September 9 – October 1, 2013
Tracer Dye Injections (MW-16B, MW-18B)	September 19 – 24, 2013
Tracer Dye Sampling	September 20, 2013 – January 17, 2014
3-month Performance Sampling	January 13 – 20, 2014
6-month Performance Sampling	March 30 – April 3, 2014
12-month Performance Sampling	October 8 – 14, 2014
Annual Groundwater Monitoring Events (OU2)	
Groundwater Sampling (Alternating Spring/Fall)	November 16 – 20, 2015; April 19 – 22, 2016; September 11–14, 2017; April 23 – 26, 2018; June 14, 2018; December 3 – 5, 2019; March 18 – 20, 2020; December 6 – 8, 2021 May 10 – 12, 2022 October 3 – 6, 2023 April 22 – 25, 2024 October 21 – 24, 2025

3.0 Groundwater Monitoring Program Summary

The Fall 2025 annual groundwater monitoring program included water level measurements, groundwater sampling at 17 well locations, and submission of groundwater samples for analysis of CVOs and natural attenuation parameters. Quality assurance/quality control (QA/QC) samples, including one field duplicate, one matrix spike/matrix spike duplicate (MS/MSD) sample, and three trip blanks were also collected and submitted for analysis. Table 1 presents a summary of groundwater sample locations and associated QA/QC samples.

3.1 Groundwater Elevation Measurements

Water levels were measured on October 21, 2025 in the monitoring wells, injection wells, and performance monitoring wells relative to the top of the inner well casing using an electronic water level tape accurate to 0.01 foot (ft). The depth to water was measured in each well from a surveyed point on the casing. The water levels were then converted to elevations presented as feet above mean sea level (ft AMSL, NAVD 88 datum).. The groundwater elevations were used to construct groundwater elevation contour maps in both the overburden and bedrock zones. Table 2 provides a summary of the groundwater level measurements and calculated groundwater elevations. Figure 3 presents overburden groundwater potentiometric surface contours and Figure 4 presents bedrock groundwater potentiometric contours. Section 4.1 presents a discussion of groundwater elevations and flow directions.

3.2 Groundwater Sampling

The locations of the 17 monitoring wells sampled are shown in Figure 2. Wells were sampled following the methodology outlined in the groundwater monitoring work plan and approved revisions per subsequent correspondence with NYSDEC.. Monitoring well MW-15 is typically sampled every five years and is scheduled to be sampled next in 2028. A list of wells, dates sampled, sample IDs, and purge volumes is provided in Table 1. A copy of the groundwater sampling logs is provided in Appendix A.

During purging, groundwater was monitored for temperature, specific conductivity, pH, DO, ORP, and turbidity. An aliquot of the groundwater sample was tested in the field for alkalinity, carbon dioxide, ferrous iron, and hydrogen sulfide using Hach™ test kits. Table 3 presents a summary of the groundwater sampling field parameter results.

The 17 monitoring wells were purged following low-flow procedures with dedicated tubing and a peristaltic pump. MW-12A was found to be destroyed during the Fall 2019 sampling event and therefore was not sampled. All samples for chemical analyses were hand-delivered to Eurofins TestAmerica Laboratories, Inc., (ETAL) in Amherst, New York under secure chain-of-custody (COC). ETAL Amherst transferred the samples to ETAL, Barberton, Ohio which performed the analyses. Both ETAL locations are New York State Department of Health Environmental Laboratory Approval Program certified laboratories. The laboratory analytical reports are included in Appendix B.

Table 4 provides a summary of sample collection and analysis specifications for each analysis type including sample containers, preservation methods, analytical methods, and other quality control information.

Table 5 presents a summary of scheduled analyses for each well sampled. Samples from each well were analyzed for select CVOCs, including tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2-dichloroethene (DCE), trans-1,2-DCE, 1,1-DCE, 1,1-dichloroethane (DCA), 1,1,1-trichloroethane (TCA), vinyl chloride (VC), and chloroethane. In addition, samples from 13 wells consisting of six overburden and bedrock well pairs and one bedrock well (MW-12B) were analyzed for natural attenuation evaluation parameters, consisting of:

- dissolved iron;
- methane, ethane, ethene, and propane;
- total chloride, sulfate, and sulfide; and,
- total organic carbon (TOC), biological oxygen demand (BOD), chemical oxygen demand (COD), nitrate, and nitrite.

The six well pairs chosen for these additional analyses are located within, upgradient, downgradient, and side gradient of the source area, and consist of MW-5A and -5B, MW-7A and -7B, MW-10A and -10B, MW-16A and -16B, MW-17A and -17B, and MW-18A and -18B. A seventh well pair, MW-12A and MW-12B, has historically also been sampled; but, in Fall 2019 MW-12A was found to be destroyed and only MW-12B could be sampled in Fall 2019, Spring 2020, Fall 2021, Spring 2022, Fall 2023, Spring 2024 and Fall 2025.

Purge water and decontamination water were contained and staged in a secure area on-site in a 300-gallon holding tank for later characterization and proper disposal.

3.3 Data Validation

Analytical results for samples collected from October 22 to 24, 2025 were reviewed by AECOM for usability with respect to the following requirements:

- Work Plan and associated correspondence;
- NYSDEC Analytical Services Protocol (ASP); and,
- United States Environmental Protection Agency (USEPA) Region II Standard Operating Procedures (SOPs).

The data submitted by the laboratory have been reviewed and validated. The analytical data were found to be acceptable in terms of deliverable completeness, accuracy, precision, representativeness, completeness and comparability. Data validation was performed in accordance with the most current editions of the USEPA Region II SOPs and NYSDEC ASP for organic and inorganic data review.

Analytical holding times, laboratory control sample recoveries, laboratory method blanks, MS/MSD precision and accuracy for designated spiked project samples, and surrogate recoveries associated with project samples, were considered acceptable with the following exceptions:

Due to shipping issues, the following samples were received by the lab and analyzed outside of the hold time for BOD, nitrate and nitrite: MW-5A, MW-5B, MW-10A, MW-10B, MW-12B, MW-12B-MS, MW-12B-MSD and FD-10222025. The results for nitrate, nitrite, and BOD in these samples have been qualified 'UJ' due to the hold time exceedance.

The MS performed on sample MW-12B was below the QC limit for nitrite as N (analyzed by method 300.0). The %R of the MSD and LCS was acceptable. The result for nitrite as N in this sample has been qualified 'UJ'.

A field duplicate was collected at location MW-10A/FD-10222025. The FD exhibited good field and analytical precision (i.e., relative percent difference (RPD) < 20% if sample/FD > 5x reporting limit (RL) or absolute difference < RL if sample/FD ≤ 5x RL), except for the analyte sulfide where the absolute difference > RL, hence the results were qualified (J/UJ).

Several samples for CVOC analysis were diluted due to the presence of high concentrations of target compounds. All of these samples had detections for one or more of the target compounds. The reporting limits for the non-detect compounds are elevated due to the dilutions utilized.

All sample analyses were found to be compliant with the method criteria, except where previously noted. Those results qualified 'UJ' (estimated quantitation limit), 'J' (estimated result), or 'J-' (estimated, biased low) during the data review are considered conditionally usable. All other sample results are usable as reported.

A copy of the data usability summary report (DUSR) for groundwater samples is included in Appendix B.

4.0 Groundwater Monitoring Program Summary

4.1 Groundwater Elevations and Flow Directions

A summary of groundwater elevation monitoring data for the Fall 2025 annual event is provided in Table 2, including New York State Plane Coordinate System location coordinates, top of casing elevation, depth to water and calculated groundwater elevations for the monitoring wells, injection wells, and performance monitoring wells.

Figure 3 presents an overburden groundwater contour map based on the October 21, 2025 water level data. Overburden groundwater was measured at elevations between 589.39 ft AMSL (MW-16A) in the northeast portion of the Site to 584.56ft AMSL (MW-14A) in the southwest portion of the Site. In general, groundwater flows from northeast to southwest. Overall, overburden groundwater in the central portion of the site exhibited little change in gradient. Gradients and flow directions were more defined in both the northeast and southwest corners of the site.

Figure 4 presents a bedrock groundwater potentiometric surface contour map based on the October 21, 2025 water level data. Bedrock groundwater elevations ranged from 586.55 ft AMSL (MW-8) in the northeast corner of the Site to 585.25 ft AMSL (MW-14B) in the southwest corner portion of the Site. The general bedrock groundwater flow direction is southwesterly towards Hyde Park Boulevard and Rhode Island Avenue, consistent with historical observations of groundwater flow. Overall, the gradient is shallow. MW-15 was last measured during its most recent 5-year sampling event on April 22, 2024.

Downward vertical gradients were observed more commonly in overburden/bedrock well pairs in the central portion of the Site (MW-2A/2B, MW-7A/7B, MW-16A/16B, MW-17A/17B, and MW-18A/18B); upward vertical gradients were observed more commonly in well pairs in the south (MW-5A/5B, MW-10A/10B, MW-11A/11B), southwest (MW-1A/1B), and east (MW-3A/3B and MW-19A/19B) portions of the Site.

4.2 Data Summary

Groundwater samples collected during the Fall 2025 annual groundwater monitoring program were submitted to the analytical laboratory for select CVOC analysis and other parameters as discussed in Section 3.2 and as summarized on Tables 4 and 5. Field measurements for the sampling program are provided in Table 3. A summary of the Fall 2025 analytical laboratory data is provided in Table 6. Figure 5 presents select CVOC concentrations in overburden groundwater for 2000 and 2009 through 2025 and Figure 6 presents select CVOC concentrations in bedrock groundwater for the same period. Analytical data results from monitoring well samples for the period October 2007 through October 2025 are included in Appendix C.

Comments are noted below for wells where concentrations or trends varied from recent and historical monitoring data.

4.2.1 Long-term Bioremediation Results

Bioremediation injections from 2008 to 2013 were intended to decrease total CVOCs in source area and downgradient wells over time. Figure 7 and Figure 8 illustrate the long-term time-series plots for total CVOCs at source area and downgradient wells, respectively. In Figure 7 and Figure 8, the overburden and bedrock wells are presented on separate plots for clarity. These plots indicate the improvement in groundwater conditions that has occurred as the result of enhanced bioremediation activities.

In the overburden source area wells, MW-7A exhibited a significant decrease in CVOC concentrations following the enhanced bioremediation injections, declining by approximately two orders of magnitude between 2009 and 2013. Concentrations remained relatively low through approximately 2016, after which they fluctuated but generally remained below historical pre-injection levels. A temporary increase is observed from 2023 to 2024; however, concentrations remain substantially lower than those observed prior to the injections. CVOC concentrations in MW-16A have fluctuated over time, with periodic increases observed between 2018 and 2021. However, concentrations since approximately 2022 show a declining trend, with recent results remaining within the lower portion of the historical range for this well. Concentrations in MW-17A have generally decreased over time compared to early monitoring results. Although some variability is present after 2018, concentrations remain significantly lower than early baseline levels, indicating an overall long-term reduction in CVOCs in the overburden source area.

In bedrock source area wells, concentrations in wells MW-7B, MW-16B and MW-17B, have generally shown decreases following the enhanced bioremediation injections, particularly between approximately 2011 and 2014. MW-16B shows several transient spikes between 2012 and 2016; however, concentrations declined substantially thereafter (Figure 7). Since approximately 2018, CVOC concentrations in MW-6, MW-7B, MW-16B, MW-17B, and MW-19B have fluctuated but generally remain within their historical concentration ranges, with most results occurring at relatively low concentrations compared to early monitoring events.

Concentrations in downgradient overburden wells MW-10A and MW-18A have remained fairly consistent since 2000, while those in MW-5A have fluctuated. Downgradient bedrock wells MW-12B, MW-14B, and MW-15 exhibited slowly decreasing levels of total CVOC concentrations prior to injections, followed by significant decreases of approximately two orders of magnitude relative to pre-2008 total CVOC concentrations. MW-12B initially showed some rebounding in total CVOCs after the conclusion of the bioremediation injections, driven mainly by 1,2-DCE, and VC, but MW-12B has been steady since 2016. MW-13B total CVOC concentrations continue to slowly decrease. Since 2020, concentrations in downgradient bedrock wells MW-5B, MW-12B, MW-14B and MW-18B have been fairly steady, while those in wells MW-10B and MW-13B have fluctuated. Concentrations in well MW-15, which is only sampled every five years, have increased since 2013, but are below 2011 levels. (Figure 8).

4.2.2 CVOC Results

Groundwater samples from 17 monitoring wells (6 overburden and 11 bedrock) were collected and analyzed for CVOCs. Overall, concentrations of CVOCs at most of the sample locations have decreased or remained stable since 2000. Over the past few sampling events, there are select locations that have shown a slight increase from post-injection low results for TCE degradation products DCE and/or VC (MW-5B, MW-6, and MW-7B). The overall total CVOC reductions are due to both natural attenuation and enhanced biodegradation that included four rounds of vegetable oil substrate injections in 2008, 2009, 2011, and 2013. The wells cited demonstrate that although the substrate may be depleted, degradation of CVOCs is continuing.

Appendix D presents graphs of long-term trends for overburden and bedrock wells in the current sampling program. The time-series plots typically show gradual decreasing trends in TCE and DCE, and in some cases, stable trends, followed by significant decreases in concentrations following injection events. Most of these plots show stable VC concentrations prior to the injections, followed by significant decreases after the injections, and a slight increase of DCE degradation product VC in the most recent rounds of sampling in the wells mentioned above.

4.2.2.1 Overburden Results

Figure 5 shows a summary of the overburden well CVOC analytical results from the Fall 2025 annual sampling program, the data from the most recent sixteen previous annual sampling programs, and data from 2000 as a reference point. The results for the six overburden groundwater samples were generally consistent with previous rounds of monitoring and long-term trends. Historical data is presented in tabulated form in Appendix B and trend plots of historical data are presented in Appendix D. Key observations are listed below.

Overburden Source Area Wells:

DCE, VC, DCA and chloroethane were detected in MW-7A above groundwater standards¹ in Spring 2022. In Spring 2024, TCE was present in MW-7A above groundwater standards for the first time since 2021, along with DCA, DCE and VC. In Fall 2025, the concentrations of these compounds decreased, although VC, DCA and DCE at MW-7A remained above groundwater standards (Appendices C & D). MW-7A is in an area that exhibited the highest CVOC concentrations in shallow groundwater prior to the first injection and is within the area that was targeted during the emulsified vegetable oil substrate injections in 2008, 2009, 2011 and 2013. MW-7A will continue to be monitored as a part of the annual sampling program.

MW-16A was targeted in the November 2011 injection event to address VC concentrations, but only a negligible amount of substrate was injected due to low permeability of the soils. Concentrations of TCE and DCA have been below groundwater standards since 2007. DCE has been below 10 micrograms per liter (µg/L) since 2012 and remained so in the Fall 2025 results. The current DCE concentration (0.57 µg/L J) is below the groundwater standard of 5 µg/L. The VC concentration from Fall 2025 (35 µg/L) is higher than Spring 2024 (17 µg/L). VC is a degradation product of TCE via DCE. MW-16A will continue to be monitored as a part of the annual sampling program.

MW-17A is an overburden well in the area of targeted bedrock injections in 2009 and 2013. TCE, DCE, VC, and DCA concentrations were consistent with recent historical data. Since 2009, TCE has been reduced to non-detect, DCE has steadily decreased from the 2000 concentration (230 µg/L) to 21 µg/L in Fall 2025, the lowest concentration recorded at this location. The VC concentration (68 µg/L) has increased as compared to its pre-injection concentration (18 µg/L). VC concentrations have decreased since a peak in Fall 2017. The DCA concentration decreased to 9.7 µg/L in Fall 2025, compared to the previously consistent concentration of 11 µg/L recorded during Spring 2022 and Fall 2023. Reductive dechlorination is likely responsible for the decrease in DCE and accompanying noted production of VC and ethene. MW-17A will continue to be monitored as a part of the annual sampling program.

¹ NYSDEC Technical & Operational Guidance Series (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations and revisions

Overburden Downgradient Wells:

MW-5A, located south of the east end of the former facility building, showed sporadic increases and decreases in DCE and VC before and after substrate injections in 2009, 2011, and 2013 (Figure 9). This trend continued through Fall 2023 where concentrations of DCE increased and VC decreased slightly from Spring 2022 but remained within the mid-range of the historical average. However, the Fall 2025 results indicate a decline in both compounds, with DCE decreasing from 120 µg/L in Spring 2024 to 2.4 µg/L in Fall 2025, and VC decreasing sharply from 160 µg/L in Spring 2024 to 0.97 µg/L in Fall 2025 (Appendices C & D). There appears to be a direct relationship between degradation product concentrations and water level fluctuations in MW-5A. Furthermore, there is a consistent upward hydraulic gradient between the bedrock and overburden zones at this location. MW-5A will continue to be monitored as a part of the annual sampling program.

MW-10A, located central to and south of the former facility building, showed DCE and VC concentrations similar to the previous few sampling events (Appendices C & D). TCE further decreased from the Fall 2021 estimated concentration of 13 µg/L to an estimated concentration of 5.2 µg/L in Fall 2025. In Fall 2025, DCE concentrations also decreased to 380 µg/L, while VC concentrations also decreased relative to Fall 2023 but remained elevated at 130 µg/L.. These results are within the range of concentrations at these locations over the last 10 years. DCA had remained non-detect since 2016; however, it was detected at a concentration of 2.9 µg/L in Fall 2025. Groundwater elevation measurements indicate an upward hydraulic gradient between MW-10A and MW-10B (from bedrock to overburden), consistent with past results. MW-10A will continue to be monitored as a part of the annual sampling program.

MW-12A, located west of the former facility building along Hyde Park Boulevard, was found destroyed during the Fall 2019 sampling event and no sample has been collected at that location since Spring 2018.

MW-18A, located east of the former facility building, showed DCA below groundwater standards consistent with recent events. TCE (42 µg/L) and DCE (50 µg/L) were at similar concentrations as compared to concentrations observed from 2010 through 2024 (Figure 5 and Appendices C & D). MW-18A will continue to be monitored as a part of the annual sampling program.

4.2.2.2 Bedrock Results

Figure 6 shows a summary of the bedrock well CVOC analytical results from the Fall 2025 annual sampling program, data from the most recent eighteen previous annual sampling events, and data from 2000 as a reference point. Historical data is presented in tabulated form in Appendix C and trend plots of historical data are presented in Appendix D. Key observations are listed below.

Bedrock Source Area Wells:

Significant reductions in DCE and VC concentrations have been observed in MW-6 relative to 2000 concentrations, which were measured prior to bioremediation injections in the area of MW-7A in 2008. Since 2009, DCE has steadily decreased (85 µg/L in 2009 to 12 µg/L in 2025) and has remained stable over the last several sampling events, ranging between 10 µg/L and 13 µg/L since 2018. VC (65 µg/L in Fall 2025) decreased from 98 µg/L observed in Fall 2021 and has fluctuated within a narrow range for the past several years. The reduction of DCE to the current result with a generally stable VC concentration indicates natural attenuation is continuing to occur, although the rate of reduction of VC is less than that of DCE. TCE and DCA have consistently been non-detect or detected at an estimated

concentration below the groundwater standard since 2000. MW-6 will continue to be monitored as a part of the annual sampling program to monitor progress of attenuation of DCE and VC.

Significant reductions in DCE and VC concentrations have been observed in MW-7B relative to 2000 concentrations, which were measured prior to bioremediation injections in the area of MW-7A in 2008. TCE and DCA concentrations have been below groundwater standards since 2012. The DCE concentration (2.2 µg/L) was also below standard this round. The VC concentration (15 µg/L) was higher than the concentrations of the last three events (Spring 2022, Fall 2023 and Spring 2024). VC has fluctuated between 9.6 µg/L and 18 µg/L since 2016. MW-7B will continue to be monitored as a part of the annual sampling program to monitor progress of attenuation of VC.

TCE, DCE, and VC concentrations increased at MW-16B in early 2012 and 2013 after injections were performed at overburden injection wells (INJ-6L, INJ-7 and INJ-8) in the vicinity of MW-16A in October 2011. TCE concentrations decreased in 2013 and have remained below the groundwater standard since that time. DCE and VC concentrations remained elevated through 2015 and then sharply decreased in 2016, with DCE below the groundwater standard and VC only slightly above groundwater standard since 2016. The Spring 2022 DCE (13 µg/L) and VC (23 µg/L) concentrations were the highest observed at this location since 2015, but are approximately two orders of magnitude below historical high concentrations (Figure 6 and Appendices C & D). During Fall 2025, both DCE (2.5 µg/L) and VC (5.6 µg/L) concentrations decreased, DCE being below the groundwater standard. MW-16B will continue to be monitored as a part of the annual sampling program to monitor progress of attenuation of VC.

The TCE concentration in MW-17B has been non-detect for more than 10 years except for an estimated value in 2017 (0.68 J µg/L). DCE has fluctuated between an estimated 0.9 J µg/L and 31 µg/L since 2017, however, it was not detected in Fall 2025 (Figure 6). The VC concentration decreased over the course of the bioremediation injections from 69 µg/L in 2000 to 0.88 µg/L in April 2016 but increased to 20 µg/L in Fall 2021 and to 23 µg/L in Spring 2022. Similar to DCE, the Fall 2025 concentration significantly decreased to 0.98 µg/L. DCA slightly decreased from 7.7 µg/L (during Spring 2024) to 6.8 µg/L (during Fall 2025). MW-17B is located within the area of the bedrock bioremediation injections performed in November 2009 and September 2013 and was the location of the highest CVOs in bedrock prior to bioremediation activities. MW-17B will continue to be monitored as part of the annual sampling program to monitor progress of attenuation of VC.

MW-19B is located east of the main facility in the area remediated as part of Operable Unit 1. Concentrations of TCE and DCA have been below groundwater standards from 2012 through Spring 2023. Concentrations of DCE and VC showed a decrease relative to Spring 2020 and Fall 2021, and have been relatively stable for the last 5 years; however, VC was detected at a concentration of 0.98 µg/L during the Fall 2025 monitoring event. MW-19B will continue to be monitored as a part of the annual sampling program.

Bedrock Downgradient Wells:

At MW-5B, TCE has consistently been non-detect or detected at an estimated concentration near the reporting limit since 2000, indicating this area is not a source area for TCE. Total concentrations of DCE and VC have remained relatively stable since 2009, with a slightly decreasing trend of DCE accompanied by an increasing trend of VC, indicating ongoing reductive dechlorination (Appendices C & D). In Fall 2025 DCE decreased slightly from Spring 2024 (23 µg/L) to 20 µg/L and VC decreased from 88 µg/L to 75 µg/L. MW-5B will continue to be monitored as a part of the annual sampling program.

At MW-10B, TCE has consistently been non-detect since 2009, indicating this area is not a source area for TCE. In addition, DCA has consistently been non-detect or detected at a concentration near the reporting limit and below groundwater standard since 2000; however, in Fall 2025 DCA was detected at a concentration of 0.6 J µg/L. DCE and VC concentrations have remained relatively stable since 2009 (Appendices C & D). DCE remained constant at 310 µg/L in Spring 2024 and Fall 2025, while VC increased from 130 µg/L to 270 µg/L over the same period. MW-10B will continue to be monitored as a part of the annual sampling program.

At downgradient location MW-12B, TCE has consistently been non-detect or detected at an estimated concentration near the reporting limit since 2000, indicating this area is not a source area for TCE. In addition, DCA has consistently been non-detect or detected at a concentration near the reporting limit and below groundwater standard since 2000. Significant reductions in DCE and VC concentrations have been observed in MW-12B, relative to concentrations measured prior to bioremediation injections in the vicinity of MW-17B in 2009. Concentrations of DCE and VC increased following injections in the vicinity of MW-17B in 2013 and have remained relatively stable since 2016 (Appendices C & D). DCE has been stable recently (44 µg/L in Spring 2024 and 42 µg/L in Fall 2025), while VC decreased from 91 µg/L to 88 µg/L over the same period, suggesting active reductive dechlorination. MW-12B will continue to be monitored as a part of the annual sampling program to monitor attenuation of DCE and VC.

TCE, DCE, and VC concentrations in downgradient well MW-13B have steadily decreased since prior to the bioremediation injections (Figure 8 and Appendices C & D). Including Fall 2025 data, DCE concentrations have been fluctuating slightly above the groundwater standard since the injections. In Fall 2025 the DCE concentration of 6.2 µg/L was above the standard (5 µg/L), increasing from 4.3 µg/L in Spring 2024. The VC concentration decreased from 11 µg/L in Spring 2024 to 10 µg/L in Fall 2025, but remained below pre-injection levels. MW-13B will continue to be monitored as part of the annual sampling program.

Significant reductions in TCE, DCE, and VC concentrations have also been observed in downgradient well MW-14B relative to concentrations measured prior to bioremediation injections (Figure 8 and Appendices C & D). Including Fall 2025 data, TCE, DCE, and DCA concentrations have been below groundwater standards since 2011. Except for a September 2017 VC concentration of 2.9 µg/L, VC concentrations have been below groundwater standards since August 2013; the VC concentration in Fall 2025 (1.6 µg/L) was slightly below the groundwater standard. It is recommended that MW-14B continue to be sampled as part of the annual sampling program to monitor concentrations of constituents of concern at the site perimeter.

MW-15 is currently sampled every five years. Prior to Spring 2024, the well was last sampled on June 14, 2018. Consistent with prior results, TCE and DCA concentrations were below groundwater standard. DCE and VC concentrations increased above groundwater standards (16 µg/L for DCE and 20 µg/L for VC), above Spring 2018 concentrations. DEC and VC have increased slightly since the final enhanced bioremediation injections, but remain well below pre-injection concentrations. Monitoring well MW-15B will be sampled again in Spring 2028.

At MW-18B, TCE and DCA have consistently been non-detect at the reporting limit since 2009. DCE and VC concentrations have fluctuated since 2009, with historical lows occurring in October 2014 following enhanced bioremediation injections at MW-18B in September 2013. DCE and VC had post-injection peaks in Fall 2017, followed by fluctuations within a range. The Fall 2025 results show that both DCE and VC decreased (25 µg/L for DCE and 23 µg/L for VC) from the Spring 2024 results (29 µg/L and 53 µg/L, respectively) (Appendices C & D). MW-18B will continue to be monitored as a part of the annual sampling program to monitor progress of attenuation of DCE and VC.

4.2.3 Attenuation Monitoring Results

As part of the ongoing groundwater sampling program, natural attenuation parameters have been sampled during each monitoring event (see Table 6 and Appendix C). The results for Fall 2025 were generally consistent with previous monitoring events, with the following exceptions:

- TOC concentrations maintained a decreasing trend in several wells from 2016 through 2025. These decreases are in areas targeted during the 2013 injections and represent continued depletion of the injected carbon substrate. TOC decreases over this period are observed in overburden wells including MW-7A and MW-16A, and bedrock wells MW-7B, MW-16B, MW-18B with all values similar to last year's results. TOC concentrations in these wells have decreased to the point where they are near pre-injection concentrations. TOC concentrations greater than 20 mg/L are considered favorable to reductive dechlorination and the highest observed in Fall 2025 was 16 mg/L in MW-16A.
- Decreases in BOD and COD levels were observed in wells (MW-5B, MW-7A, MW-7B, MW-10B, MW-12B, MW-16A and MW-16B) following injections. Similar to TOC, this may represent continued depletion of the 2013 injectate. Fall 2025 saw moderate increases of COD in MW-5B, MW-7A, MW-17B and MW-18B. The Fall 2023 COD in MW-10A was an increase of two orders of magnitude, from estimated 2.8 J mg/L to 200 mg/L, marking the highest COD value ever in this well. The Fall 2025 COD value in MW-10 was a more typical 5.3 mg/L. Fall 2025 saw a slight increase in BOD in MW-17B and MW-18B.
- From 2016 through 2025, chloride concentrations decreased in overburden wells MW-7A, MW-10A, MW-17A, MW-18A, and bedrock well MW-17B. Since chloride is produced during reductive dichlorination of CVOCs, this may indicate that anaerobic biodegradation processes are ongoing, but may be slowing to pre-injection rates in the areas targeted during the 2013 injections. Chloride in these and other wells has remained fairly stable over the last few sampling rounds. The presence of chloride in several other wells suggests biodegradation is ongoing.
- Ethene is the final degradation product of TCE, providing solid evidence of substantial biodegradation. From 2014 to 2015, increases in ethene concentrations at wells MW-10B, MW-16A, and MW-16B were noted. Ethene concentrations for MW-10B and MW-16B in 2016 through 2025 are noted to be lower in each location as compared to 2015 levels. Several wells had ethene concentrations that were either stable or fluctuated somewhat following the injections. The presence of ethene is an indication that biodegradation through VC is continuing. Some fluctuations were observed in recent years for some wells, such as MW-16A where the values from the latest years were 49 µg/L (2019), 270 µg/L (2020), 77 µg/L (2021), 160 µg/L (2022), 170 µg/L (2023), 82 µg/L (2024) and 34 µg/L (2025)
- Elevated methane concentrations (>20 mg/L) were noted in several wells following the site injections, indicating an environment conducive to anaerobic biodegradation. As of 2025, only MW-18B is above 20 mg/L, while MW-17B is measured at 20 mg/L. MW-7A, MW-16B and MW-17A are currently less than 20 mg/L but still elevated since the injections.

Overall, the environmental conditions and Site-wide long-term changes in concentrations indicate that the enhanced biodegradation program has been effective and natural attenuation is an ongoing, active process.

5.0 Conclusions and Recommendations

The following conclusions and recommendations were developed following the Fall 2025 groundwater monitoring event:

Conclusions:

CVOC concentrations have steadily declined in the overburden and bedrock groundwater over the past 25 years, with more recent substantial declines related to the 2008, 2009, 2011, and 2013 bioremediation injections.

MW-7A, located in the area of the vegetable oil substrate injections conducted in September 2008, November 2009, November 2011, and September 2013, continued to show decreased levels of CVOCs compared to pre-injection levels, with some increases in degradation products DCE, and VC this round. VC is also gradually increasing or stable in other wells (i.e., MW-6, MW 10A/B, MW-16A, MW-17A). Fluctuations in concentrations of CVOC degradation products at MW-5A appear to have a direct relationship with water level fluctuations and are consistent with historical concentrations following substrate injections. Overall, overburden groundwater CVOC concentrations in 2025 were generally consistent with the previous sampling program results.

CVOC concentrations in bedrock groundwater have generally declined in response to the previous substrate injections. Notably, substantial decreases in CVOC concentrations have been observed in several downgradient bedrock monitoring wells since 2009. TCE was not detected in any of the bedrock wells sampled during Fall 2025 monitoring event. These trends will continue to be evaluated through ongoing groundwater monitoring. Groundwater samples for natural attenuation monitoring have been collected since October 2000 and continue to indicate that natural attenuation processes are active. The results for Fall 2023, Spring 2024 and Fall 2025 were generally consistent with recent monitoring events.

Natural anaerobic biodegradation of TCE, which was occurring at the Site prior to 2008, was substantially enhanced by the bioremediation injection program conducted over multiple years. The enhanced bioremediation injections effectively contributed to the observed decreasing concentration trends, and ongoing natural attenuation processes continue to improve groundwater quality at the Site.

Recommendations:

The annual groundwater monitoring program should be continued as currently configured. At present, CVOCs within the source area and downgradient of that area have decreased as a result of remedial measures including emulsified vegetable oil substrate injections in 2008, 2009, 2011 and 2013. Terra Systems, Inc. (TSI) SRS®-SD was used for all overburden injections, SRS®-FR was used for all bedrock injections, and TSI-DC® bioaugmentation culture was used for microorganism bioaugmentation. The substrate and bioaugmentation injections have been successful in decreasing levels of CVOCs in both overburden and bedrock groundwater in the injection areas. Due largely to flow in bedrock fractures, the CVOC decreases have also been observed downgradient of the injection areas and in offsite wells, and to date, offsite CVOC concentrations have not rebounded.

The remedial goal stated in the OU-2 Record of Decision is to “Reduce, to the extent practicable, off-site migration of groundwater that does not attain NYSDEC Class GA Ambient Water Quality Criteria.” Since off-site VOC concentrations have been reduced to below or near the NYSDEC Class GA Ambient Water Quality Standards, this goal has been attained. If, in the future, downgradient and/or offsite VOC levels show significant increases, appropriate response measures will be re-evaluated. A Draft Site Management Plan (SMP) for the Hyde Park Site was submitted to NYSDEC on March 31, 2022. Following NYSDEC comments, the Revised SMP was submitted to NYSDEC on February 29, 2024, and was accepted by NYSDEC on March 14, 2024. The next annual groundwater sampling event will occur in Spring 2026.

6.0 References

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NYSDEC, 2021. Draft Addendum to June 1998 Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1. June 30, 2021.

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Tables

Table 1
Summary of Groundwater Sampling
Fall 2025 Monitoring Event
Former Carborundum Company, Hyde Park Facility
Niagara, New York

Well ID	Date Sampled	Sample ID	Volume Purged (gallons)
MW-5A	22-Oct-25	MW-5A	2.2
MW-5B	22-Oct-25	MW-5B	3.3
MW-6	24-Oct-25	MW-6	2.4
MW-7A	23-Oct-25	MW-7A	2.2
MW-7B	23-Oct-25	MW-7B	2.4
MW-10A	22-Oct-25	MW-10A, FD-10222025 ⁽¹⁾	2.8
MW-10B	22-Oct-25	MW-10B	2.2
MW-12B	22-Oct-25	MW-12B, MS/MSD	5.6
MW-13B	22-Oct-25	MW-13B	3.4
MW-14B	22-Oct-25	MW-14B	2.1
MW-16A	23-Oct-25	MW-16A	1.9
MW-16B	23-Oct-25	MW-16B	3.6
MW-17A	23-Oct-25	MW-17A	3.0
MW-17B	23-Oct-25	MW-17B	2.6
MW-18A	23-Oct-25	MW-18A	2.1
MW-18B	23-Oct-25	MW-18B	3.3
MW-19B	24-Oct-25	MW-19B	2.8

Note:

(1) FD-10222025 is a field duplicate of MW-10A.

MS - Matrix Spike

MSD - Matrix Spike Duplicate

Table 2
Water Level Measurements
Fall 2025 Monitoring Event
Former Carborundum Company, Hyde Park Facility
Niagara, New York

Well ID	Elevation Top of Casing	Easting	Northing	10/21/2025	
				Depth to Water	Groundwater Elevation
PMW-1	596.62	1028372.30	1136886.30	10.57	586.05
PMW-2	595.98	1028371.76	1136875.49	9.72	586.26
PMW-3	596.59	1028379.73	1136882.30	9.75	586.84
PMW-4	597.05	1028384.66	1136909.84	10.56	586.49
PMW-5	592.65	1028308.62	1136764.72	6.73	585.92
PMW-6	592.44	1028310.46	1136747.77	6.88	585.56
PMW-7	592.93	1028325.51	1136758.05	7.24	585.69
PMW-8	593.11	1028352.65	1136824.51	7.16	585.95
PMW-9	592.45	1028282.58	1136689.24	6.56	585.89
INJ-1	596.66	1028382.45	1136887.25	9.98	586.68
INJ-2	595.89	1028374.60	1136890.69	9.81	586.08
INJ-3	592.87	1028313.28	1136774.48	7.00	585.87
INJ-4	593.26	1028332.65	1136771.29	7.17	586.09
INJ-5U	596.08	1028365.66	1136878.92	9.99	586.09
INJ-5L	596.00	1028365.66	1136878.92	10.04	585.96
INJ-6U	596.96	1028376.98	1136868.99	9.71	587.25
INJ-6L	595.97	1028376.98	1136868.99	10.15	585.82
INJ-7	592.76	1028409.44	1136837.46	5.18	587.58
INJ-8	592.98	1028418.16	1136832.59	6.61	586.37
INJ-9	591.62	1028023.50	1136898.15	5.91	585.71
INJ-10	591.49	1028032.17	1136890.90	5.78	585.71
MW-1A	597.56	1028606.44	1136554.99	11.46	586.10
MW-1B	597.64	1028611.01	1136554.66	11.28	586.36
MW-2A	595.73	1028335.27	1136881.61	9.41	586.32
MW-2B	595.80	1028337.09	1136888.34	9.81	585.99
MW-3A	599.94	1028627.22	1136895.86	14.72	585.22
MW-3B	599.70	1028624.57	1136899.80	13.44	586.26
MW-4A	591.60	1028027.77	1136890.77	5.81	585.79
MW-4B	591.49	1028023.72	1136890.65	5.62	585.87
MW-5A	597.91	1028256.93	1136567.66	12.24	585.67
MW-5B	597.79	1028256.86	1136562.36	11.96	585.83
MW-6	595.51	1028293.24	1136889.98	9.60	585.91
MW-7A	596.59	1028379.67	1136889.32	10.49	586.10
MW-7B	596.66	1028377.01	1136884.33	10.41	586.25
MW-8	599.63	1028584.29	1136897.91	13.08	586.55
MW-10A	596.87	1028134.19	1136571.96	11.33	585.54
MW-10B	596.71	1028129.79	1136571.87	10.86	585.85
MW-11A	595.48	1027992.43	1136576.28	10.32	585.16
MW-11B	595.57	1027996.44	1136575.71	10.22	585.35

Table 2
Water Level Measurements
Fall 2025 Monitoring Event
Former Carborundum Company, Hyde Park Facility
Niagara, New York

Well ID	Elevation Top of Casing	Easting	Northing	10/21/2025	
				Depth to Water	Groundwater Elevation
MW-12A ¹	590.79	1027887.31	1136654.88	NA	NA
MW-12B	590.89	1027886.62	1136658.22	5.05	585.84
MW-13A	595.18	1028202.92	1136517.75	9.81	585.37
MW-13B	594.73	1028199.59	1136517.64	9.35	585.38
MW-14A	592.97	1027954.11	1136524.76	8.41	584.56
MW-14B	592.85	1027951.17	1136524.55	7.60	585.25
MW-15 ²	591.44	1027851.99	1136475.97	NA	NA
MW-16A	591.64	1028415.02	1136829.41	2.25	589.39
MW-16B	592.38	1028414.66	1136826.44	6.03	586.35
MW-17A	593.13	1028319.92	1136765.00	5.93	587.20
MW-17B	592.92	1028319.47	1136763.41	7.00	585.92
MW-18A	593.78	1028377.39	1136661.13	7.18	586.60
MW-18B	593.43	1028375.07	1136659.79	7.50	585.93
MW-19A	594.95	1028610.90	1136747.48	8.52	586.43
MW-19B	594.65	1028611.64	1136749.89	8.16	586.49

Note:

NA - Not Available.

1. Well MW-12A discovered destroyed during Fall 2019 sampling event.

2. MW-15 is to be sampled every 5 years in accordance with NYSDEC approval on April 8, 2014, and is to be sampled next in 2028.

Table 3
Groundwater Sampling Field Parameter Results
Fall 2025 Sampling Event
Former Carborundum Company, Hyde Park Facility
Niagara, New York

Monitoring Well ID	Sample Date	Temperature (deg C)	Specific Conductivity (mS/cm)	Dissolved Oxygen + (mg/L)	pH (standard units)	ORP (mV)	Turbidity (NTU)	Alkalinity (mg/L)	Carbon Dioxide (mg/L)	Ferrous Iron (mg/L)	Hydrogen Sulfide (mg/L)
MW-5A	10/22/2025	15.2	0.860	0.46	7.71	-1.7	0.98	240	10	0.00	0.0
MW-5B	10/22/2025	13.6	1.479	1.29	7.50	-3.6	110.60	450	30	0.03	0.0
MW-6	10/24/2025	12.7	1.834	0.18	7.11	-314.7	0.94	360	35	0.00	1.0
MW-7A	10/23/2025	13.0	1.443	0.11	6.93	-154.8	4.18	770	75	2.43	0.1
MW-7B	10/23/2025	12.1	1.969	0.14	7.09	-161.1	2.44	340	40	0.06	1.5
MW-10A	10/22/2025	14.6	1.400	0.13	7.34	-113.2	5.99	300	25	1.11	0.0
MW-10B	10/22/2025	14.2	1.696	0.12	7.01	-118.2	4.38	300	30	0.03	0.1
MW-12B	10/22/2025	12.9	1.561	0.01	7.17	-61.2	19.54	300	25	0.14	0.0
MW-13B	10/22/2025	13.4	0.940	0.25	7.19	-113.6	27.50	220	30	1.22	0.0
MW-14B	10/22/2025	14.4	1.175	0.80	7.17	-103.5	48.78	300	40	0.02	0.5
MW-16A	10/23/2025	14.5	0.625	0.11	7.24	-114.8	9.97	280	20	0.22	0.0
MW-16B	10/23/2025	13.3	1.134	0.05	7.17	-252.6	13.78	300	45	0.34	2.0
MW-17A	10/23/2025	16.6	1.002	0.13	7.59	-165.9	11.55	360	25	0.00	0.0
MW-17B	10/23/2025	14.7	1.555	0.00	6.84	-334.2	13.18	770	60	0.06	5.0
MW-18A	10/23/2025	16.6	0.983	0.06	7.21	-191.0	5.00	770	60	2.44	0.0
MW-18B	10/23/2025	14.3	1.510	0.00	6.82	-336.0	22.09	360	60	0.21	5.0
MW-19B	10/24/2025	14.0	20.300	0.04	7.02	-278.2	12.18	280	35	0.00	2.0

Notes:

- Not Measured
mS/cm - milliSiemen per centimeter
mg/L - milligram per liter
mV - millivolt
NTU - nephelometric turbidity unit
ORP - oxidation-reduction potential

Table 4
Summary of Analytical Specifications
Fall 2025 Monitoring Event
Former Carborundum Company, Hyde Park Facility
Niagara, New York

Sample Type	Container Type	Sample Volume	Preservation Method	Max. Holding Time	Analytical Method
Constituents of Concern					
Select VOCs	40 mL glass vial with septum top	3x40 mL	Hydrochloric acid, Cool 4°C	14 days	SW846 Method 8260C
Natural Attenuation Parameters					
Methane, Ethene, Ethane, Propane	40 mL glass vial with septum top	3x40 mL	Hydrochloric acid, Cool 4°C	14 days	USEPA RSK175
TOC	40 mL glass vial with septum top	2x40 mL	Sulfuric acid, Cool 4°C	28 days	USEPA 5310C
BOD	1000 mL plastic	1000 mL	None, Cool 4°C	48 hours	USEPA 5120B
COD	250 mL plastic	250 mL	Sulfuric Acid, Cool 4°C	28 days	USEPA 410.4
Dissolved Iron	500 mL plastic	500 mL	Nitric Acid, Cool 4°C	6 months	USEPA 6010C
Chloride, Sulfate; Nitrate, Nitrite	500 mL plastic	500 mL	None, Cool 4°C	28 days; 48 hours	USEPA 300.0 USEPA 353.2
Sulfide	500 mL plastic	500 mL	Sodium hydroxide and zinc acetate, Cool 4°C	7 days	Standard Method (SM) 4500-S2

Notes:

VOC - volatile organic compound

TOC - total organic carbon

BOD - biological oxygen demand

COD - chemical oxygen demand

mL - milliliter

Alkalinity, carbon dioxide, ferrous iron and hydrogen sulfide were analyzed for in the field using Hach™ test kits.

Table 5
Sample Matrix
Fall 2025 Monitoring Event
Former Carborundum Company, Hyde Park Facility
Niagara, New York

Location	Unit	VOCs ^{A/} (SW8260C)	Methane, Ethane, Ethene (RSKSOP- 175mod) ^{B/}	Propane (RSKSOP- 175mod) ^{(2) B/}	Chloride, Sulfate (300.0)	Total Organic Carbon (5310C)	BOD (5120B), COD (410.4)	Dissolved Iron (6010C)	Nitrate (353.2), Nitrite (353.2)	Sulfide (SM 4500-S2)	Well Head Analysis ^{C/}	Field Analyses (Hach kits) ^{D/}	PFAS (537 mod)	1,4-Dioxane (SW8270D SIM)
Existing Site Investigation Monitoring Wells														
MW-5A	overburden	1	1	1	1	1	1	1	1	1	1	1		
MW-5B	bedrock	1	1	1	1	1	1	1	1	1	1	1		
MW-6	bedrock	1									1	1		
MW-7A	overburden	1	1	1	1	1	1	1	1	1	1	1		
MW-7B	bedrock	1	1	1	1	1	1	1	1	1	1	1		
MW-10A	overburden	1	1	1	1	1	1	1	1	1	1	1		
MW-10B	bedrock	1	1	1	1	1	1	1	1	1	1	1		
MW-12A	overburden	Well Destroyed												
MW-12B	bedrock	1	1	1	1	1	1	1	1	1	1	1		
MW-13B	bedrock	1									1	1		
MW-14B	bedrock	1									1	1		
MW-16A	overburden	1	1	1	1	1	1	1	1	1	1	1		
MW-16B	bedrock	1	1	1	1	1	1	1	1	1	1	1		
MW-17A	overburden	1	1	1	1	1	1	1	1	1	1	1		
MW-17B	bedrock	1	1	1	1	1	1	1	1	1	1	1		
MW-18A	overburden	1	1	1	1	1	1	1	1	1	1	1		
MW-18B	bedrock	1	1	1	1	1	1	1	1	1	1	1		
MW-19B	bedrock	1									1	1		

QA/QC

Matrix spike/matrix spike duplicate pairs and field duplicates were collected at a rate of 5%.

Name field duplicates blind, using FD followed by the date followed by the matrix and a numerical identifier in sequence for each duplicate sample collected for that day (e.g., FD-GW-060322).

Notes:

^{A/} VOCs (volatile organic compounds): tetrachloroethene, trichloroethene, cis-1,2-dichloroethene, trans-1,2- dichloroethene, 1,1-dichloroethene, 1,1-dichloroethane, 1-1-1-,trichloroethane, vinyl chloride, and chloroethane.

^{B/} Analytical method for dissolved gases will be a laboratory-specific standard operating procedure (RSK-175).

^{C/} Well head analyses include dissolved oxygen, oxidation-reduction potential, pH, temperature, electrical conductivity, turbidity and visual appearance.

^{D/} Field analyses include alkalinity, carbon dioxide, hydrogen sulfide, and ferrous iron.

BOD - biological oxygen demand

COD - chemical oxygen demand

Table 6
Monitoring Well Groundwater Analytical Result Summary - Fall 2025
Former Carborundum Company, Hyde Park Facility
Niagara, New York

Parameter	Criteria ^(1,2)	MW- 5A	MW- 5B	MW- 6	MW- 7A	MW- 7B	MW-10A	MW-10A-Duplicate	MW-10B	MW-12B
Volatile Organic Compounds										
PCE (µg/L)	5	1.0 U	1.0 U	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TCE (µg/L)	5	0.46 J	1.0 U	1.0 U	4.0 U	1.0 U	5.2	5.2	1.0 U	1.0 U
Cis-1,2-DCE (µg/L)	5	2.4	20	12	160	2.2	380	390	310	42
Trans-1,2-DCE (µg/L)	5	1.0 U	1.0 U	1.0 U	4.0 U	1.0 U	3.3	3.3	0.62 J	1.0 U
1,1-DCE (µg/L)	5	1.0 U	1.0 U	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl Chloride (µg/L)	2	0.97 J	75	65	160	15	130	140	270	88
1,1,1-Trichloroethane (µg/L)	5	1.0 U	1.0 U	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane (µg/L)	5	1.0 U	1.0 U	1.0 U	26	1.0 U	2.9	2.9	0.60 J	1.0 U
Chloroethane (µg/L)	5	1.0 U	1.0 U	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dissolved Metals										
Dissolved Iron (mg/L)	--	0.200 U	0.200 U	NA	2.7	0.200 U	1.2	1.1	0.100 J	0.200 U
Dissolved Gases										
Ethane (µg/L)	--	1.0 U	1.0 U	NA	19	1.0 U	5.2	4.8	1.3	0.58 J
Ethene (µg/L)	--	1.0 U	2.0	NA	48	2.6	26	24	45	6.0
Methane (µg/L)	--	7.1	160	NA	4000	180	2300	2100	3200	200
Propane (µg/L)	--	0.40 J	1.0 U	NA	1.0 U	1.0 U	1.0 U	1.0 U	3.5	0.88 J
Miscellaneous Parameters										
BOD (mg/L)	--	2.0 UJ	2.0 UJ	NA	4.1 J	<6.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ
COD (mg/L)	--	4.2 J	11	NA	16	13	5.2 J	3.3 J	14	11
TOC (mg/L)	--	0.55 J	2.8	NA	4.2	3.1	1.4	1.4	3.0	2.7
Chloride (mg/L)	250	73	180	NA	15	280	140	140	160	190
Sulfate (mg/L)	250	79	210	NA	220	170	130	130	220	250
Sulfide (mg/L)	0.05	14	1.0 U	NA	1.0 U	1.7	1.0 UJ	29 J	1.5	1.9 J
Nitrate (mg/L)	10	0.091 J	0.090 J	NA	0.10 UJ	0.10 UJ	0.044 J	0.050 UJ	0.050 UJ	0.050 UJ
Nitrite (mg/L)	1	0.050 UJ	0.050 UJ	NA	0.10 UJ	0.10 UJ	0.050 UJ	0.050 UJ	0.050 UJ	0.050 UJ
Nitrate-Nitrite (mg/L)	--	0.080	0.042 J	NA	0.10 U	0.10 U	0.050 U	0.050 U	0.050 U	0.050 U

Table 6
Monitoring Well Groundwater Analytical Result Summary - Fall 2025
Former Carborundum Company, Hyde Park Facility
Niagara, New York

Parameter	Criteria ^(1,2)	MW-13B	MW-14B	MW-16A	MW-16B	MW-17A	MW-17B	MW-18A	MW-18B	MW-19B
Volatile Organic Compounds										
PCE (µg/L)	5	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TCE (µg/L)	5	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	42	1.0 U	1.0 U
Cis-1,2-DCE (µg/L)	5	6.2	1.0 U	0.57 J	2.5	21	1.0 U	50	25	1.6
Trans-1,2-DCE (µg/L)	5	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.1	1.0 U	1.0 U
1,1-DCE (µg/L)	5	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.3	1.0 U	1.0 U
Vinyl Chloride (µg/L)	2	10	1.6	35	5.6	68	0.98 J	7.4	23	0.98 J
1,1,1-Trichloroethane (µg/L)	5	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane (µg/L)	5	1.0 U	1.0 U	1.0 U	1.0 U	9.7	6.8	4.5	1.0 U	1.0 U
Chloroethane (µg/L)	5	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	3.7	1.0 U	1.0 U	1.0 UJ
Dissolved Metals										
Dissolved Iron (mg/L)	--	NA	NA	0.66	0.120 J	0.46	0.200 U	2.5	0.140 J	NA
Dissolved Gases										
Ethane (µg/L)	--	NA	NA	0.70 J	2.4	6.9	21	0.90 J	1.6	NA
Ethene (µg/L)	--	NA	NA	34	3.3	18	0.47 J	0.64 J	0.96 J	NA
Methane (µg/L)	--	NA	NA	140	7700	8700	20000	1800	25000	NA
Propane (µg/L)	--	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NA
Miscellaneous Parameters										
BOD (mg/L)	--	NA	NA	3.2 J	7.8 J	9.0 J	20	2.0 UJ	31	NA
COD (mg/L)	--	NA	NA	49	51	2.6 J	32	4.6 J	55	NA
TOC (mg/L)	--	NA	NA	16	15	2.3	3.9	1.2	4.7	NA
Chloride (mg/L)	250	NA	NA	31	120	16	130	26	130	NA
Sulfate (mg/L)	250	NA	NA	100	130	43	80	110	140	NA
Sulfide (mg/L)	0.05	NA	NA	1.0 U	4.3	1.0 U	9.9	1.0 U	22	NA
Nitrate (mg/L)	10	NA	NA	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	NA
Nitrite (mg/L)	1	NA	NA	0.087 J	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	NA
Nitrate-Nitrite (mg/L)	--	NA	NA	0.29	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	NA

Notes:

(1) NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, April 2000, Glass GA.

(2) Bold concentrations exceed criteria.

J = The reported concentration is an estimated value.

J- = The reported concentration is an estimated value biased low.

D = Result reported from a secondary dilution analysis.

U = Not detected above the reporting limit.

UJ = Not detected. The reporting limit is an estimated value.

NA = Not Analyzed

µg/L - micrograms per liter

mg/L - milligrams per liter

PCE - tetrachlorethene

TCE- trichloroethene

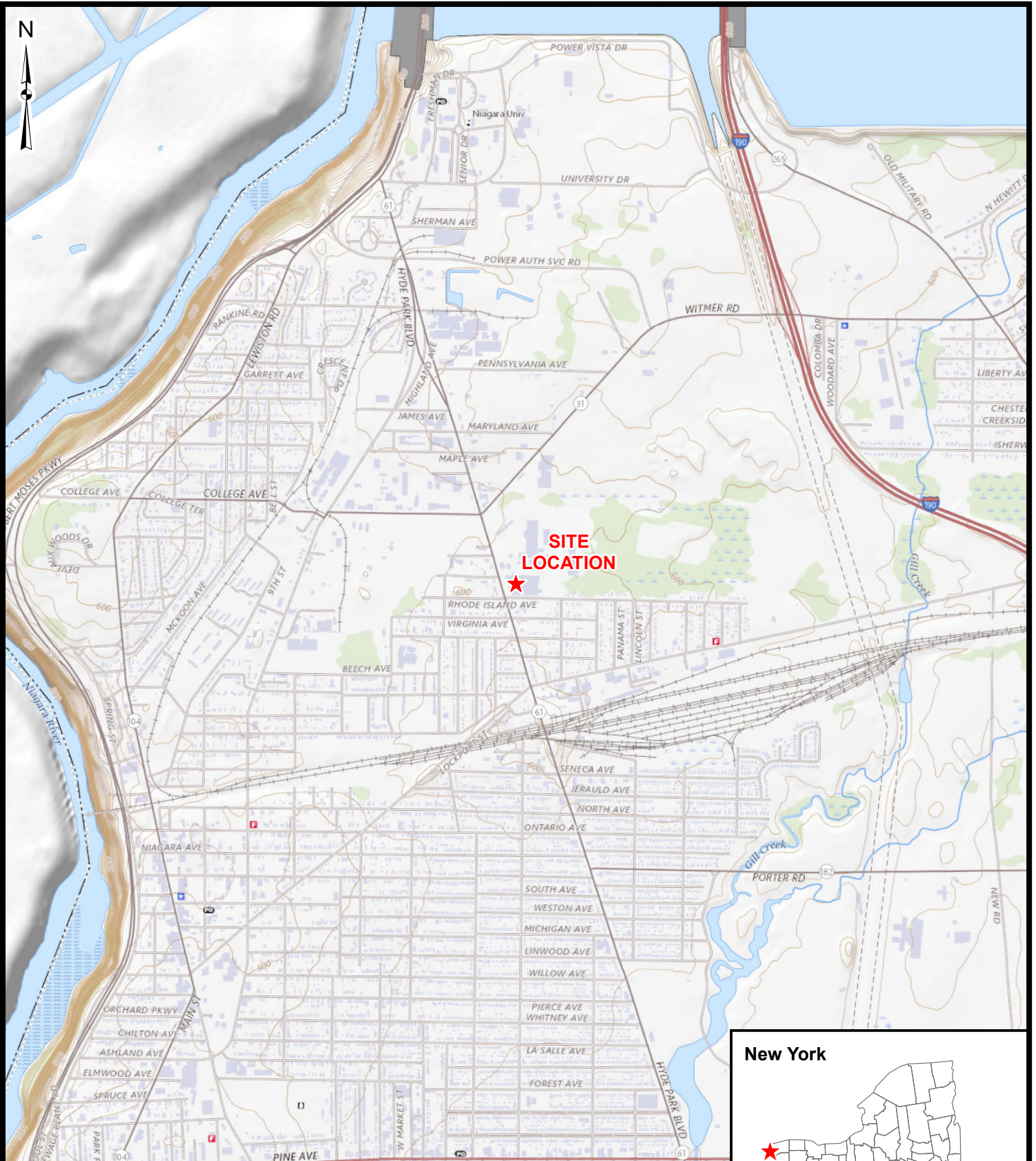
DCE - dichloroethene

BOD - biological oxygen demand

COD - chemical oxygen demand

TOC - total organic carbon

Figures



Source: USGS The National Map Service;
1:24,000-scale USGS Topographic Map,
Lewiston, 2019
Niagara Falls, 2019

2,000 0 2,000 Feet

New York



AECOM

FORMER CARBORUNDUM COMPANY
TOWN OF NIAGARA, NEW YORK
SITE LOCATION

FIGURE 1

J:\Projects\60481767_BP\IP\WISC\GIS\Hyde Park\Maps\SMP 2022\02 SITE PLAN.mxd 3/25/2022



C:\Project_Locality\Hyde Park\GIS\Maps\2025\GROUNDWATER CONTOURS - OVERBURDEN.mxd 4/3/2026



Legend

Injection Well

Monitoring Well

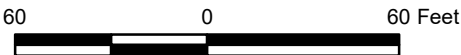
Performance Monitoring Well

Groundwater Flow Direction

Groundwater Elevation Contour

Fence Line

Source: ESRI World Imagery



FORMER CARBORUNDUM COMPANY
TOWN OF NIAGARA, NEW YORK
GROUNDWATER CONTOURS
OVERBURDEN WELLS (OCTOBER 21, 2025)

AECOM

FIGURE 3

C:\Project_LocalityHyde Park\GIS\Maps\2025\GROUNDWATER CONTOURS - BEDROCK.mxd 3/5/2026



C:\Project - Local\Hyde Park\From Mahesh\Hyde Park\GIS\Maps\2025\GROUNDWATER VOC - OVERBURDEN.mxd 3/9/2026



HYDE PARK BOULEVARD

KANTHAL-GLOBAR BUILDING

MW-3A	2000	Oct-09	May-10	Oct-11	Jun-12	Aug-13	Apr-14	Nov-15	Apr-16	Sep-17	Apr-18	Dec-19	Mar-20	Dec-21	May-22	Oct-23	Apr-24	Oct-25
TCE	0.43 J	5 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
DCE	1.5 J	5 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
VC	2 U	2 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
DCA	5 U	5 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

MW-2A	2000	Oct-09	May-10	Oct-11	Jun-12	Aug-13	Apr-14	Nov-15	Apr-16	Sep-17	Apr-18	Dec-19	Mar-20	Dec-21	May-22	Oct-23	Apr-24	Oct-25
TCE	5 U	5 U	1 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
DCE	1.2 J	5 U	5 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
VC	2 U	1.3 J	1.2 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
DCA	13 J	26	18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

MW-4A	2000	Oct-09	May-10	Oct-11	Jun-12	Aug-13	Apr-14	Nov-15	Apr-16	Sep-17	Apr-18	Dec-19	Mar-20	Dec-21	May-22	Oct-23	Apr-24	Oct-25
TCE	2.8 J	130	94	160	7.5	4.2 J	1.2	1.2	3.4	1.3	0.44 J	NS	NS	NS	NS	NS	NS	NS
DCE	74	115.7	254.9	150	140	31	3.7	1.3	2.8	0.68 J	1.1	NS	NS	NS	NS	NS	NS	NS
VC	45	41	45	73	20	11	4.1	1.1	1.1	2.6	0.96 J	NS	NS	NS	NS	NS	NS	NS
DCA	4.6 J	17	21	18	5.4	1.3 J	0.5 U	1	1.4	1.4	1.8	NS	NS	NS	NS	NS	NS	NS

MW-7A	2000	Oct-09	May-10	Oct-11	Jun-12	Aug-13	Apr-14	Nov-15	Apr-16	Sep-17	Apr-18	Dec-19	Mar-20	Dec-21	May-22	Oct-23	Apr-24	Oct-25
TCE	1200	1.8 J	1 U	1 U	1 U	1.2 J	1 U	0.5 U	0.5 U	0.5 U	0.66 U	1.7 U	0.25 U	0.20 U	7.3	1 U	1.0 U	210
DCE	4800	210	65	20	3.8 J	3.9 J	3	1.5	1.9	26	46	21 J	50	150	17	3.5	740	160
VC	220	150	50	19	1 U	2.2 J	1	3.1	3.7	33	42	35 J	45	150	33	8.5	170	160
DCA	1000	49	33	22	9.1	15	12	11	12	61 J	140	69	59	90	76 U	26	43	26

MW-16A	2000	Oct-09	May-10	Oct-11	Jun-12	Aug-13	Apr-14	Nov-15	Apr-16	Sep-17	Apr-18	Dec-19	Mar-20	Dec-21	May-22	Oct-23	Apr-24	Oct-25
TCE	NS	5 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	3.3 U	0.33 U	0.6 J	1.3 U	2.3 U	1 U	1.0 U	1.0 U	1.0 U
DCE	NS	8.2	10	11	8.4	8.5	5.9	9.1	6.5	7.3 J	1.4	3.6 J	8.7 J	8.2	8.1	0.98 J	1.0 U	0.57 J
VC	NS	75	180	340	110	300	140	250	18	190	33	120	560	260	290 U	37	17	35
DCA	NS	5 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	2.5 U	0.25 U	0.68 U	2.1 U	1.9 U	1 U	1.0 U	1.0 U	1.0 U

MW-17A	2000	Oct-09	May-10	Oct-11	Jun-12	Aug-13	Apr-14	Nov-15	Apr-16	Sep-17	Apr-18	Dec-19	Mar-20	Dec-21	May-22	Oct-23	Apr-24	Oct-25
TCE	115	22	15	11	5.3	3.1 J	0.62 J	0.5 U	0.5 U	1.7 U	1.7 U	0.20 U	0.20 U	1.8 U	1 U	1.0 U	2.0 U	2.0 U
DCE	230	180	210	160	140	180	150	160	110	120	59	50	36	48	36	30	23	21
VC	18	25	27	30	25	45	49	86	89	120	91	83	78	110	83 U	73 U	69	68
DCA	59	30	20	26	21	22	16	18	15	17	11	13	12	13	11	11	9.7	

MW-19A	2000	Oct-09	May-10	Oct-11	Jun-12	Aug-13	Apr-14	Nov-15	Apr-16	Sep-17	Apr-18	Dec-19	Mar-20	Dec-21	May-22	Oct-23	Apr-24	Oct-25
TCE	1.7 J	5 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
DCE	33	3.7	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
VC	2 U	2.8	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
DCA	5 U	5 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

MW-12A	2000	Oct-09	May-10	Oct-11	Jun-12	Aug-13	Apr-14	Nov-15	Apr-16	Sep-17	Apr-18	Dec-19	Mar-20	Dec-21	May-22	Oct-23	Apr-24	Oct-25
TCE	2.6 J	5 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.33 U	0.33 U	NS	NS	NS	NS	NS	NS	NS
DCE	540	64	16	19	19	22	8.9	1.6	9.5	21	16	NS	NS	NS	NS	NS	NS	NS
VC	49	38	16	16	13	14	6.8	9.6	8.8	13	9.2	NS	NS	NS	NS	NS	NS	NS
DCA	5.9	2.7	1.6 J	1.8 J	1.8 J	1.9 J	0.89 J	0.7 J	1.1	1.6	0.91 J	NS	NS	NS	NS	NS	NS	NS

MW-11A	2000	Oct-09	May-10	Oct-11	Jun-12	Aug-13	Apr-14	Nov-15	Apr-16	Sep-17	Apr-18	Dec-19	Mar-20	Dec-21	May-22	Oct-23	Apr-24	Oct-25
TCE	5 U	5 U	1 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
DCE	1.3 J	5 U	1.9 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
VC	2 U	2 U	3.2 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
DCA	5 U	5 U	1 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

MW-18A	2000	Oct-09	May-10	Oct-11	Jun-12	Aug-13	Apr-14	Nov-15	Apr-16	Sep-17	Apr-18	Dec-19	Mar-20	Dec-21	May-22	Oct-23	Apr-24	Oct-25
TCE	36	25	25	23	21	25	27	38	37	29	36	32	34	0.92 U	34	39	41	42
DCE	47	43	51	42	56	58	43	53	51	58	42	43	46	47	54	57	39	50
VC	4.4	7	2.6 J	8.4	2.4 J	3.4 J	0.86 J	2.3	0.62 J	1.8 J	1.1	0.97 J	1.1 J	80	5.7	3.5	3.6	7.4
DCA	5.6	4.7 J	4.2 J	4.7 J	4.2 J	4.9 J	3.6	4.7	4.3	5.0	3.7	3.6	3.7	0.76 U	4.1	4	4.2	4.5

MW-10A	2000	Oct-09	May-10	Oct-11	Jun-12	Aug-13	Apr-14	Nov-15	Apr-16	Sep-17	Apr-18	Dec-19	Mar-20	Dec-21	May-22	Oct-23	Apr-24	Oct-25
TCE	5 U	5 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.57 J	6.6 U	6.6 U	5 J	7.6	13 J	8.7 J	7.5 J	5.9 J	5.2
DCE	1200	409.4	397.6	630	620	580	560	710	960 U	590	540	500	570	650	540	580	550	380
VC	86	140	140	250	170	130	95	130	83	130	94	130	130	180	85	190	150	130
DCA	25	6.4	5.7	7.7	7	5.6	4.4	5.3	5.4	5.0 UJ	5.0 U	4.3 U	3.4 U	9.5 U	13 U	10 U	10 U	2.9

MW-5A	2000	Oct-09	May-10	Oct-11	Jun-12	Aug-13	Apr-14	Nov-15	Apr-16	Sep-17	Apr-18	Dec-19	Mar-20	Dec-21	May-22	Oct-23	Apr-24	Oct-25
TCE	1.3 J	5 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.66 U	4.1 U	0.47 J	0.52 J	0.46 U	1 U	0.49 J	10 U	0.46 J	
DCE	320	5.9	110.97	5.7	88	110	240	150	340 D	61	250	10	130	52	78	67	120	2.4
VC	42	1.8	84	3.3 J	82	190	300	140	340 D	68	310	13	180	62	70 D	150 D	160	0.97 J
DCA	2.1 J	5 U	1 U	1 U	1.3 U	3.3	1.4	4.2	0.88 J	3.3 J	0.17 J	2.5 J	1.0	1.9	1.7	10 U	1.0 U	

MW-1A	2000	Oct-09	May-10	Oct-11	Jun-12	Aug-13	Apr-14	Nov-15	Apr-16	Sep-17	Apr-18	Dec-19	Mar-20	Dec-21	May-22	Oct-23	Apr-24	Oct-25
TCE	5 U	1 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
DCE	2.4 J	1 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
VC	0.44 J	1 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
DCA	5 UJ	1 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

MW-13A	2000	Oct-09	May-10	Oct-11	Jun-12	Aug-13	Apr-14	Nov-15	Apr-16	Sep-17	Apr-18	Dec-19	Mar-20	Dec-21	May-22	Oct-23	Apr-24	Oct-25
TCE	5 U	5 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
DCE	5 U	5 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
VC	2 U	2 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
DCA	5 U	5 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

MW-14A	2000	Oct-09	May-10	Oct-11	Jun-12	Aug-13	Apr-14	Nov-15	Apr-16	Sep-17	Apr-18	Dec-19	Mar-20	Dec-21	May-22	Oct-23	Apr-24	Oct-25
TCE	5 U	5 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
DCE	1.6 J	1.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
VC	0.37 J	2.7	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
DCA	5 U	5 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Legend

Monitoring Well

Fence Line

LOCATION ID	DATE	RESULT
MW-1A	2000	
TCE	5 U	
DCE	2.4 J	
VC	0.44 J	
DCA	5 UJ	

Notes:

- Units are shown in µg/L
- NS = Not Sampled
- D = Result reported from a secondary dilution analysis.

- J = The reported concentration is an estimated value.
- U = Not detected above the reported method detection limit.
- UJ = Not detected. The reported method detection limit is an estimated value.

- Monitoring well MW-12A was found destroyed in December 2019.

Source: ESRI World Imagery

60 0 60 Feet

FORMER CARBORUNDUM COMPANY
TOWN OF NIAGARA, NEW YORK
VOC CONCENTRATIONS IN
OVERBURDEN GROUNDWATER
(2000 - 2025)

AECOM

FIGURE 5



MW-4B	2000	Oct-09	May-10	Oct-11	Jun-12	Aug-13	Apr-14	Nov-15	Apr-16	Sep-17	Apr-18	Dec-19	Mar-20	Dec-21	May-22	Oct-23	Apr-24	Oct-25
TCE	3.2 J	5 U	1 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
DCE	39	9.7	2.8	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
VC	35	9.5	12	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
DCA	3.2 J	5 U	1 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

MW-3B	2000	Oct-09	May-10	Oct-11	Jun-12	Aug-13	Apr-14	Nov-15	Apr-16	Sep-17	Apr-18	Dec-19	Mar-20	Dec-21	May-22	Oct-23	Apr-24	Oct-25
TCE	5 U	5 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
DCE	4.8 J	1.5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
VC	2.3	2.9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
DCA	5	5 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

MW-8	2000	Oct-09	May-10	Oct-11	Jun-12	Aug-13	Apr-14	Nov-15	Apr-16	Sep-17	Apr-18	Dec-19	Mar-20	Dec-21	May-22	Oct-23	Apr-24	Oct-25
TCE	5 U	5 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.33 U	0.33 U	NS	NS	NS	NS	NS	NS	NS
DCE	5.55	2.1	2.3	1.9 J	1.6 J	1.7 J	1.6	1.7	1.9	1.7	1.9	NS	NS	NS	NS	NS	NS	NS
VC	1.9 J	2.6	2.2	2.1 J	1.1 J	1.8 J	1.5	1.9	1.8	1.4	1.6	NS	NS	NS	NS	NS	NS	NS
DCA	5 U	5 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.25 U	0.25 U	NS	NS	NS	NS	NS	NS	NS

MW-7B	2000	Oct-09	May-10	Oct-11	Jun-12	Aug-13	Apr-14	Nov-15	Apr-16	Sep-17	Apr-17	Dec-19	Mar-20	Dec-21	May-22	Oct-23	Apr-24	Oct-25
TCE	5 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.33 U	0.33 U	0.10 U	0.10 U	0.46 U	1 U	1.0 U	1.0 U	1.0 U
DCE	84	7.3	4.5 J	6	1.6 J	1.2 J	0.5 U	1.2	0.82 J	2.2	2.2	1.3	5.4	1.5	1.9	1.7	1.7	2.2
VC	39	24	31	25	9.2	75	5.5	6.1	10	18	17	10	18	18	12	9.6	11	15
DCA	5 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.25 U	0.25 U	0.17 U	0.17 U	0.38 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U

MW-6	2000	Oct-09	May-10	Oct-11	Jun-12	Aug-13	Apr-14	Nov-15	Apr-16	Sep-17	Apr-18	Dec-19	Mar-20	Dec-21	May-22	Oct-23	Apr-24	Oct-25
TCE	5 U	5 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	1.7 U	0.33 U	0.10 U	0.10 U	0.92 U	1 U	1.0 U	2.0 U	1.0 U
DCE	560	85	39	33	30	24	18	20	18	12	10	11	13	12	12	2.0 U	12	
VC	91	69	48	57	47	42	39	57	59	79	48	78	72	98	61 DJ	59 DJ	71	65
DCA	0.28 J	5 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	1.3 U	0.25 U	0.17 U	0.76 U	1 U	1.0 U	2.0 U	1.0 U		

MW-2B	2000	Oct-09	May-10	Oct-11	Jun-12	Aug-13	Apr-14	Nov-15	Apr-16	Sep-17	Apr-18	Dec-19	Mar-20	Dec-21	May-22	Oct-23	Apr-24	Oct-25
TCE	0.44 J	5 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.33 U	0.33 U	NS	NS	NS	NS	NS	NS	NS
DCE	260	9.1	3.7 J	1.8 J	2.7 J	2.3 J	1	0.87 J	0.95 J	0.77 J	1.3	NS	NS	NS	NS	NS	NS	NS
VC	92	16	7.6 J	2.6 J	8.6	4 J	2.2	3.4	2.2	1.8	2.6	NS	NS	NS	NS	NS	NS	NS
DCA	5 UJ	5 U	1 U	1 U	1 U	0.92 J	0.65 J	0.96 J	0.50 J	0.25 U	NS	NS	NS	NS	NS	NS	NS	NS

MW-16B	2000	Oct-09	May-10	Oct-11	Jun-12	Aug-13	Apr-14	Nov-15	Apr-16	Sep-17	Apr-18	Dec-19	Mar-20	Dec-21	May-22	Oct-23	Apr-24	Oct-25
TCE	0.97 J	5 U	1 U	1 U	1 U	74	2.2 J	2.5 U	4.8	0.5 U	0.33 U	0.10 U	0.10 U	0.46 U	1 U	1.0 U	1.0 U	1.0 U
DCE	130	511.8	81	27	4700	600	2300	1100	0.5 U	0.30 U	0.63 J	1	0.60 J	2.1	13	2.5	3.4	2.5
VC	35	130	48	43	600	610	2000	780	4.3	2.6	4.6	6.7	2.9	6.5	23	7.1	6	5.6
DCA	5 U	5 U	1 U	1 U	4 J	1 J	3.4 J	6.6	2	0.39 J	0.25 U	0.17 U	0.17 U	0.38 U	1 U	1.0 U	1.0 U	1.0 U

MW-17B	2000	Oct-09	May-10	Oct-11	Jun-12	Aug-13	Apr-14	Nov-15	Apr-16	Sep-17	Apr-18	Dec-19	Mar-20	Dec-21	May-22	Oct-23	Apr-24	Oct-25
TCE	22	3.1 J	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.88 J	0.33 U	0.10 U	0.10 U	1.7 U	1 U	1.0 U	1.0 U	1.0 U
DCE	1000	280	8.5	19	20	35	1.3	0.5 U	0.5 U	10	4.9	11	1.4	31	28	0.90 J	5.9	1.0 U
VC	69	69	9.6	27	18	40	2.1	0.8 J	0.88 J	12	7.9	14	2.6	20	23	2.2	5.8	0.98 J
DCA	5.4	26	45	48	43	38	8.2	1.5	1.7	6.3 J	4.5	4.3	4.5	7.3	8.2	11	7.7	6.8

MW-12B	2000	Oct-09	May-10	Oct-11	Jun-12	Aug-13	Apr-14	Nov-15	Apr-16	Sep-17	Apr-18	Dec-19	Mar-20	Dec-21	May-22	Oct-23	Apr-24	Oct-25
TCE	5 U	5 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.66 U	0.83 U	0.25 U	0.20 U	0.46 UJ	1 U	1.0 U	2.0 U	1.0 U	
DCE	210	2.6	11	0.98 J	5.6	43	57	13	73	52	62	65	51	73 J-	52	53	44	42
VC	77	2 U	1 U	1 U	10	73	9.1	59	110	73	94	85	49 DJ	73 DJ	100 D	91	88	
DCA	2.3 J	5 U	1 U	1 U	1 U	0.5 U	0.5 U	0.66 J	0.63 U	0.43 U	0.41 J	0.40 J	0.48 J	1.0 U	2.0 U	1.0 U		

MW-19B	2000	Oct-09	May-10	Oct-11	Jun-12	Aug-13	Apr-14	Nov-15	Apr-16	Sep-17	Apr-18	Dec-19	Mar-20	Dec-21	May-22	Oct-23	Apr-24	Oct-25
TCE	2.4 J	5 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.33 U	0.33 U	0.10 U	0.10 U	0.46 U	1 U	1.0 U	1.0 U	1.0 U
DCE	41	68	2.1	8.7	2.3 J	2.1 J	2.9	1.8	1.1	1.6	24	1.4	1.4	11	1.8	1.5	21	1.6
VC	6.3	7.2	2.1 J	3.3 J	1.6 J	1.2 J	0.65 J	1	1.1	1.5	5.0	1.2	2.3	1.5	1.1	1.4	4.4	0.98 J
DCA	5 U	5 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.25 UJ	0.25 U	0.17 U	0.17 U	0.38 U	1 U	1.0 U	1.0 U	1.0 U

MW-18B	2000	Oct-09	May-10	Oct-11	Jun-12	Aug-13	Apr-14	Nov-15	Apr-16	Sep-17	Apr-18	Dec-19	Mar-20	Dec-21	May-22	Oct-23	Apr-24	Oct-25
TCE	7.7	5 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	6.6 U	0.83 U	0.20 U	0.20 U	0.92 U	1 U	1.0 U	1.0 U	1.0 U
DCE	690	62	69	150	110	120	43	35	90	380	69	56	32	47	38	120 DJ	29	25
VC	90	220	190	220	140	190	71	40	120	210	92	70	51	80	59	61	56	23
DCA	5 U	5 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	5.0 UJ	0.63 U	0.34 U	0.34 U	0.76 U	1 U	1.0 U	1.0 U	1.0 U

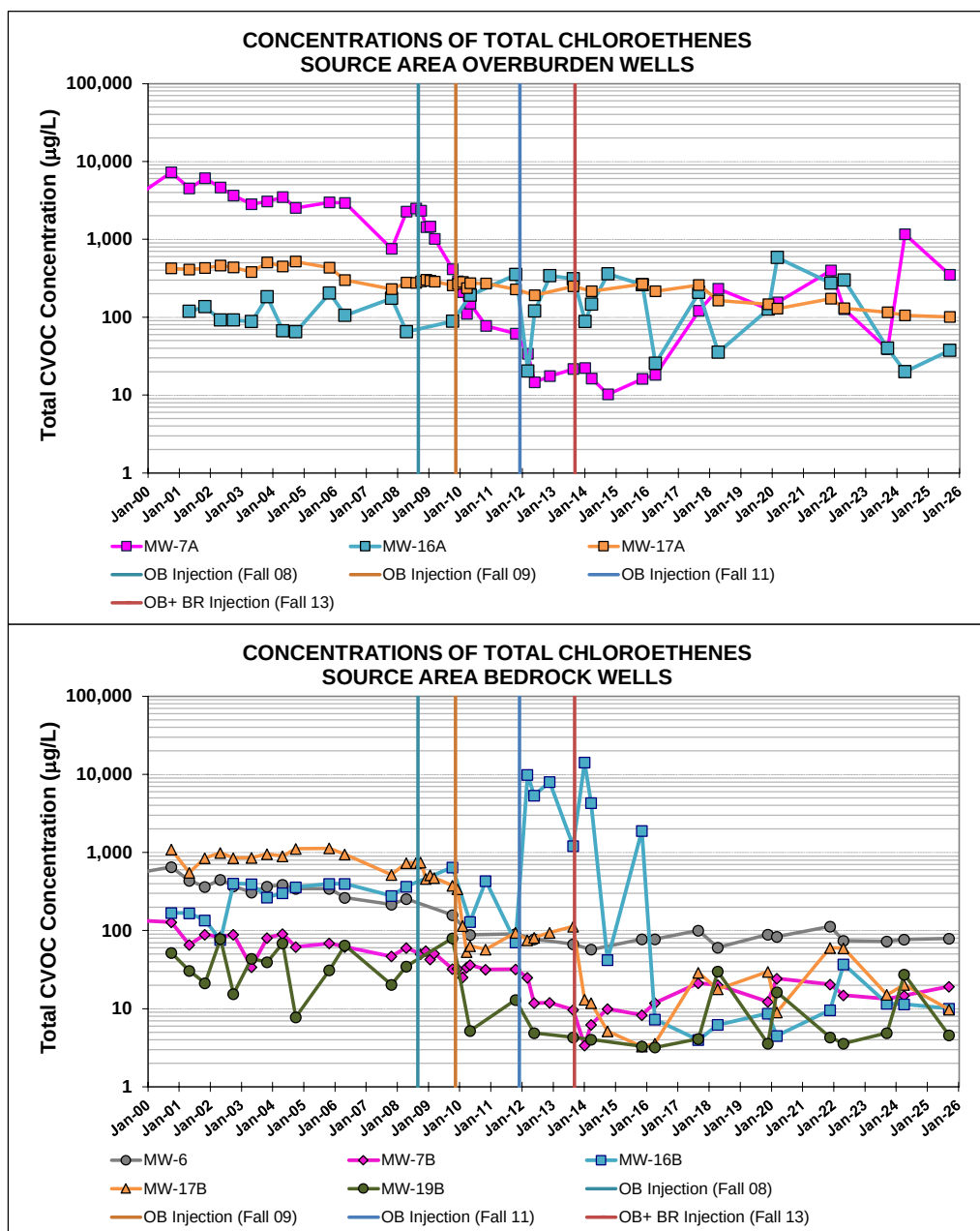
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TCE	5 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.33 U	0.33 U	NS	NS	NS	NS	NS	NS	NS	NS
DCE	590	56	1.9 J	2.2 J	1 U	0.8 U	0.5 U	0.56 J	0.54 J	1.1	0.65 J	NS	NS	NS	NS	NS	NS	NS
VC	81	48	7.4	4.6 J	6.1	1.4 J	1.2	1.7	9.7	6.5	1.9	NS	NS	NS	NS	NS	NS	NS
DCA	3.5 J	U	1.3 J	1.8 J	1.4 J	1.9 J	2	1	1.7	0.95 J	1.9	NS	NS	NS	NS	NS	NS	NS

MW-10B	2000	Oct-09	May-10	Oct-11	Jun-12	Aug-13	Apr-14	Nov-15	Apr-16	Sep-17	Apr-18	Dec-19	Mar-20	Dec-21	May-22	Oct-23	Apr-24	Oct-25
TCE	68	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	3.3 U	2.6 U	2.0 U	2.0 U	0.50 U	4.6 U	6.3 U	5.0 U	1.0 U
DCE	1800	370	220	960	280	230	190	220	360	210	420	210	220	320	320	310	310	
VC	95	150	83	180	110	120	22	190	6.1	270	12	180	23	370	140	260	130	270
DCA	1.2 J	1 U	1 U	2 U	1 U	1 U	0.5 U	0.9 J	0.59 J	2.5 UJ	2.0 U	3.4 U	0.85 U	3.8 U	6.3 U	5.0 U	5.0 U	0.60 J

MW-5B	2000	Oct-09	May-10	Oct-11	Jun-12	Aug-13	Apr-14	Nov-15	Apr-16	Sep-17	Apr-18	Dec-19	Mar-20	Dec-21	May-22	Oct-23	Apr-24	Oct-25
TCE	2.6 J	5 U	1.1 J	1 U	1 U	1 U	0.97 J	0.58 J	0.5 U	1.7 U	0.33 U	0.20 U	0.20 U	0.92 U	1 U	1.0 U	1.0 U	1.0 U
DCE	420	39	36	48	33	32	19	34	32	36	32	32	26	40	35	24	23	20
VC	45	37	39	63	34	44	33	63	71	91	78	90	68	140	71 D	140 D	88	75
DCA	1.1 J	5 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	1.3 U	0.30 J	0.34 U	0.34 U	0.76 U	1 U	1.0 U	1.0 U	1.0 U

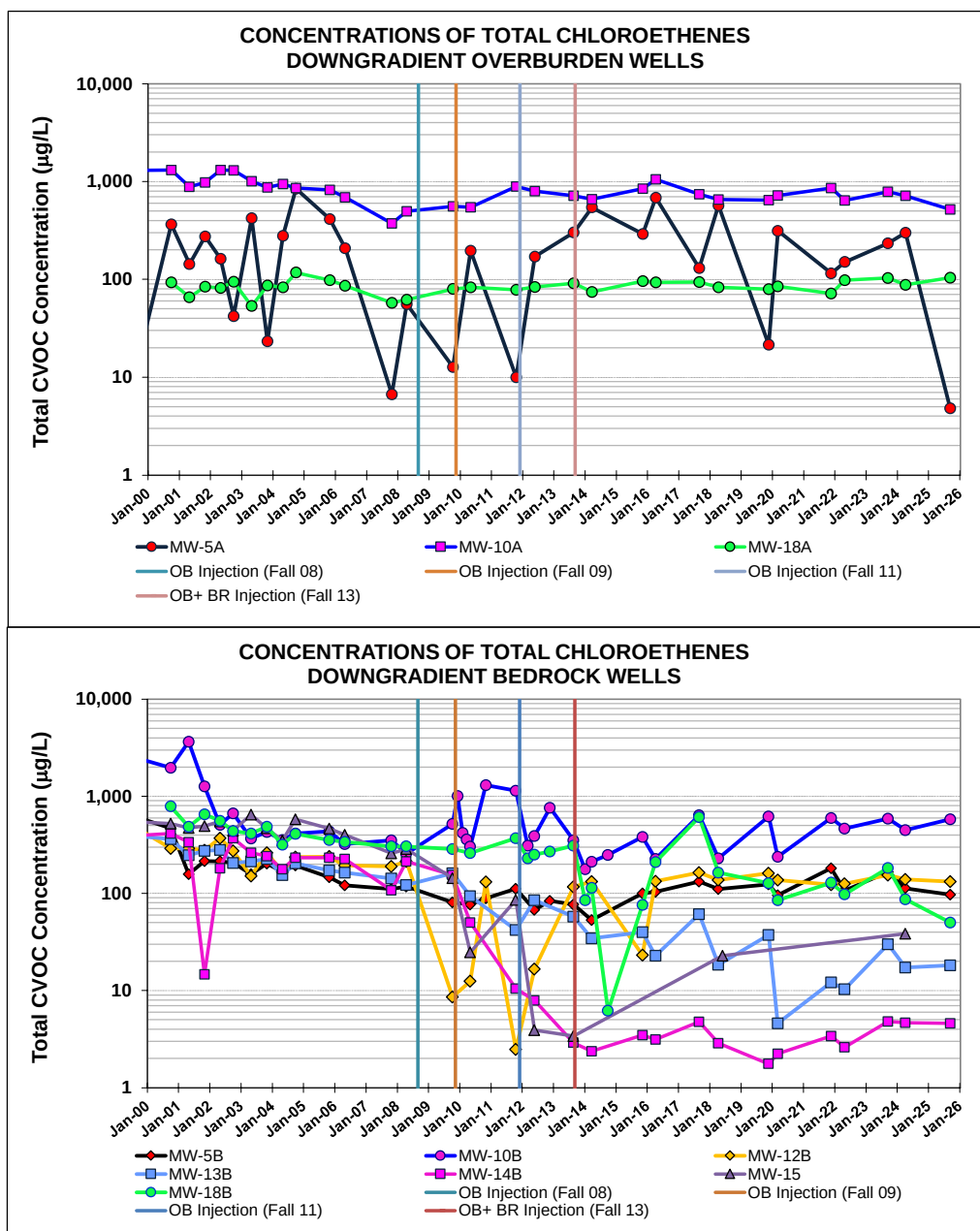
MW-1B	2000	Oct-09	May-10	Oct-11	Jun-12	Aug-13	Apr-14	Nov-15	Apr-16	Sep-17	Apr-18	Dec-19	Mar-20	Dec-21	May-22	Oct-23	Apr-24	Oct-25
TCE	5 U	1 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
DCE	4.7 J	0.8	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
VC	3.8	1.7	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
DCA	1.5 J	1 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

MW-13B	2000	Oct-09	May-10	Oct-11	Jun-12	Aug-13	Apr-14	Nov-15	Apr-16	Sep-17	Apr-18	Dec-19	Mar-20	Dec-21	May-22	Oct-23	Apr-24	Oct-25
TCE	12	5 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.33 U	0.33 U	0.19 J	0.10 U	0.92 U	1 U	1.0 U	1.0 U	1.0 U
DCE	310	88	46	17	27	8.6	19	18	9.9	22	7.8	16	1.6	3.7	4.1	9.9	4.3	6.2
VC	40	68	47	24	57	48	15	21	12	38	9.7	21	20	6.4	5.2	18	11	10
DCA	0.91 J	5 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.25 U	0.25 U	0.17 J	0.17 U	0.76 U	1 U	1.0 U	1.0 U	1.0 U



Note:
Total CVOC Concentration is the sum of TCE, cis-1,2-DCE, VC, and DCA concentrations.

FIGURE 7
FORMER CARBORUNDUM COMPANY
**LONG TERM TRENDS OF TOTAL CHLORINATED ETHENES
IN SOURCE AREA OVERBURDEN AND BEDROCK WELLS**
AECOM
50 Lakefront Boulevard, Suite 111, Buffalo, New York 14202.



Note:
Total CVOC Concentration is the sum of TCE, cis-1,2-DCE, VC, and DCA concentrations.

FIGURE 8
FORMER CARBORUNDUM COMPANY
LONG TERM TRENDS OF TOTAL CHLORINATED ETHENES IN DOWNGRADIENT OVERBURDEN AND BEDROCK WELLS
AECOM
50 Lakefront Boulevard, Suite 111, Buffalo, New York 14202.

Appendix A

Groundwater Sampling Logs

Low Flow Sampling Record										
Site Name: IP-BP Hyde Park			Well ID: MW-5B				Well Diameter: 2"			
Samplers: T. Urban			Water Volume Calculation 1 inch= 0.041 6 inch= 1.4 1.5 inch= 0.092 8 inch= 2.5 2 inch= 0.163 10 inch= 4 4 inch= 0.64 = (Total Depth of Well - Depth to Water) × Casing volume per foot				Acceptance Criteria: Temp 3% pH ± 0.1 unit Sp. Cond. 3% ORP ± 10mV DO 10% Turbidity <50 NTU Drawdown <0.3'			
Weather: 49 °F, Rain										
Purging Data:						feet below top of PVC				
Method: Low Flow		Date: 10/22/2025		Time: (hhmm) 1455		Initial Depth to Water 11.79		Depth to Bottom 39.24		
Time hhmm	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:
1455	11.79	320		13.7	3.185	7.56	11.91	-105.8	95.24	
1500	14.55	250		13.9	3.216	7.38	11.97	-103.2	106.8	
1505	15.40	250		13.9	2.847	7.12	11.98	-91.4	118.6	
1510	15.95	200		13.9	2.280	5.82	11.79	-81.0	160.1	
1515	16.15	200		14.0	1.702	4.96	11.10	-58.7	171.2	
1520	16.17	200		14.0	1.652	3.24	9.97	-37.8	168.3	
1525	16.20	200		13.9	1.515	2.68	8.80	-14.4	151.4	
1530	16.25	200		13.6	1.513	2.05	8.28	-3.7	147.8	
1535	16.30	200		13.7	1.497	1.63	7.92	-1.1	133.4	
1540	16.35	200		13.6	1.489	1.38	7.69	-1.1	120.8	
1545	16.35	200		13.6	1.485	1.33	7.54	1.8	110.7	
1550	16.35	200		13.6	1.483	1.31	7.50	-1.1	112.8	
1555	16.35	200		13.6	1.479	1.29	7.50	-3.6	110.6	
Sample Collection Method: Peristaltic Pump		Date: 10/22/2025		Time: 1555		Total Volume of Water Purged: 4.0 gal				
Hach Test Kits			Sample Set							
Alkalinity (mg/L)		450		Parameter	Bottle	Pres.	Method			
Carbon Dioxide (mg/L)		30		VOCs	3-40 mL glass vial	HCL	EPA 8260C			
Ferrous Iron (mg/L)		0.03		Dissolved Iron	1-250 mL plastic (field filtered)	HNO3	6010C			
Hydrogen Sulfide (mg/L)		0.0		TOC	2-40mL glass vial	H2SO4	5310C			
DTW				M.E.E.P.	3-40 mL glass vial	HCL	RSK-175 mod			
				Nitrate/Nitrite/ Chloride/Sulfate	1-500mL plastic	unpreserved	300, 353.2 300.0_28D			
				BOD	1-1000 mL plastic	unpreserved	5210B			
				COD	1-250 mL plastic	H2SO4	410.4			
				Sulfide	1-500mL plastic	NaOH/Zn Acetate	4500-S2-F			

Low Flow Sampling Record										
Site Name: IP-BP Hyde Park			Well ID: MW-6			Well Diameter: 2"		Acceptance Criteria: Temp 3% pH ± 0.1 unit Sp. Cond. 3% ORP ± 10mV DO 10% Turbidity <50 NTU Drawdown <0.3'		
Samplers:			Water Volume Calculation							
M. Stevener			1 inch= 0.041 6 inch= 1.4							
T. Urban			1.5 inch= 0.092 8 inch= 2.5							
Weather: 41 °F, Sunny			2 inch= 0.163 10 inch= 4							
			4 inch= 0.64							
			= (Total Depth of Well - Depth to Water) × Casing volume per foot							
Purging Data:						feet below top of PVC				
Method:		Date:		Time:		Initial Depth to Water		Depth to Bottom		
Low Flow		10/24/2025		(hhmm) 0840		4.59		43.15		
Time	DTW	Pump Rate	Volume	Temp	Sp. Cond	DO	pH	ORP	Turb	Comments:
hhmm	(ft)	(ml/min)	(gal.)	(C°)	(ms/cm)	(mg/L)		(mV)	(NTU)	
0845	9.62	230		13.2	2.066	2.85	7.31	-284.7	3.00	
0850	9.62	230		12.9	2.054	0.55	7.02	-343.6	0.00	
0855	9.62	230		12.9	1.836	0.27	7.11	-326.5	0.00	
0900	9.62	230		12.9	1.844	0.25	7.10	-322.4	0.00	
0905	9.62	230		12.9	1.840	0.23	7.12	-320.1	0.00	
0910	9.62	230		12.8	1.838	0.18	7.11	-317.4	0.00	
0915	9.62	230		12.8	1.840	0.19	7.11	-316.2	0.00	
0920	9.62	230		12.7	1.834	0.17	7.11	-315.6	0.27	
0925	9.62	230		12.7	1.834	0.18	7.11	-314.7	0.94	
Sample Collection Method:		Date:		Time:		Total Volume of Water Purged:				
Peristaltic Pump		10/24/2025		0925		2.5 gal				
Hach Test Kits			Sample Set							
Alkalinity (mg/L)	360	Parameter		Bottle	Pres.	Method				
Carbon Dioxide (mg/L)	35	VOCs	☒	3-40 mL glass vial	HCL	EPA 8260C				
Ferrous Iron (mg/L)	0.00	Dissolved Iron	☐	1-250 mL plastic (field filtered)	HNO3	6010C				
Hydrogen Sulfide (mg/L)	1.0	TOC	☐	2-40mL glass vial	H2SO4	5310C				
DTW		M.E.E.P.	☐	3-40 mL glass vial	HCL	RSK-175 mod				
Strong sulfur odor		Nitrate/Nitrite/ Chloride/Sulfate	☐	1-500mL plastic	unpreserved	300, 353.2 300.0_28D				
		BOD	☐	1-1000 mL plastic	unpreserved	5210B				
		COD	☐	1-250 mL plastic	H2SO4	410.4				
		Sulfide	☐	1-500mL plastic	NaOH/Zn Acetate	4500-S2-F				

[illegible]

Low Flow Sampling Record										
Site Name: IP-BP Hyde Park			Well ID: MW-12B				Well Diameter: 4"			
Samplers: T. Urban			Water Volume Calculation 1 inch= 0.041 6 inch= 1.4 1.5 inch= 0.092 8 inch= 2.5 2 inch= 0.163 10 inch= 4 4 inch= 0.64 = (Total Depth of Well - Depth to Water) × Casing volume per foot				Acceptance Criteria: Temp 3% pH ± 0.1 unit Sp. Cond. 3% ORP ± 10mV DO 10% Turbidity <50 NTU Drawdown <0.3'			
Weather: 51 °F, Cloudy										
Purging Data:						feet below top of PVC				
Method: Low Flow		Date: 10/22/2025		Time: (hhmm) 1245		Initial Depth to Water 4.85		Depth to Bottom 30.50		
Time hhmm	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:
1245	4.85	350		13.1	1.554	0.68	7.15	-42.8	4.28	
1250	4.88	350		13.1	1.555	0.40	7.16	-48.7	14.18	
1255	4.88	350		13.1	1.555	0.15	7.16	-58.7	21.08	
1300	4.88	350		13.0	1.558	0.10	7.16	-60.4	20.30	
1305	4.88	350		13.0	1.557	0.08	7.16	-60.9	21.97	
1310	4.88	350		13.0	1.559	0.05	7.16	-61.0	20.08	
1315	4.88	350		13.0	1.559	0.04	7.16	-61.5	21.12	
1320	4.88	350		12.9	1.560	0.03	7.16	-61.3	21.93	
1325	4.88	350		12.9	1.560	0.02	7.16	-60.4	21.54	
1330	4.88	350		12.9	1.559	0.02	7.16	-60.9	20.12	
1335	4.88	350		12.9	1.560	0.01	7.17	-61.4	19.88	
1340	4.88	350		12.9	1.561	0.01	7.17	-61.3	20.04	
1345	4.88	350		12.9	1.561	0.01	7.17	-61.2	19.54	
Sample Collection Method: Peristaltic Pump		Date: 10/22/2025		Time: 1345		Total Volume of Water Purged: 5.5 gal				
Hach Test Kits			Sample Set							
Alkalinity (mg/L)		300		Parameter		Bottle		Pres.		Method
Carbon Dioxide (mg/L)		25		VOCs		3-40 mL glass vial		HCL		EPA 8260C
Ferrous Iron (mg/L)		0.14		Dissolved Iron		1-250 mL plastic (field filtered)		HNO3		6010C
Hydrogen Sulfide (mg/L)		0.0		TOC		2-40mL glass vial		H2SO4		5310C
DTW				M.E.E.P.		3-40 mL glass vial		HCL		RSK-175 mod
MS/MSD				Nitrate/Nitrite/ Chloride/Sulfate		1-500mL plastic		unpreserved		300, 353.2 300.0_28D
				BOD		1-1000 mL plastic		unpreserved		5210B
				COD		1-250 mL plastic		H2SO4		410.4
				Sulfide		1-500mL plastic		NaOH/Zn Acetate		4500-S2-F

Low Flow Sampling Record										
Site Name: IP-BP Hyde Park			Well ID: MW-16B				Well Diameter: 2"			
Samplers: T. Urban			Water Volume Calculation 1 inch= 0.041 6 inch= 1.4 1.5 inch= 0.092 8 inch= 2.5 2 inch= 0.163 10 inch= 4 4 inch= 0.64 = (Total Depth of Well - Depth to Water) × Casing volume per foot				Acceptance Criteria: Temp 3% pH ± 0.1 unit Sp. Cond. 3% ORP ± 10mV DO 10% Turbidity <50 NTU Drawdown <0.3'			
Weather: 46 °F, Mostly Cloudy										
Purging Data:						feet below top of PVC				
Method: Low Flow		Date: 10/23/2025		Time: (hhmm) 1003		Initial Depth to Water 5.91		Depth to Bottom 39.00		
Time hhmm	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:
1003	5.91	250		13.4	0.593	3.93	7.25	-31.1	17.5	
1008	6.30	250		13.6	0.549	5.23	7.23	-16.7	12.36	
1013	6.35	250		13.6	0.625	5.62	7.18	-75.9	4.05	
1018	6.40	250		13.6	0.756	3.13	7.10	-99.8	5.29	
1023	6.40	250		13.3	0.843	1.98	7.05	-117.7	3.77	
1028	6.40	250		13.3	0.909	1.42	7.07	-129.7	2.82	
1033	6.40	250		13.2	0.995	0.66	7.07	-156.8	2.4	
1038	6.40	250		13.3	1.053	0.26	7.08	-195.6	4.99	
1043	6.40	250		13.4	1.101	0.11	7.09	-226.3	8.11	
1048	6.40	250		13.4	1.121	0.07	7.12	-245.9	12.71	
1053	6.40	250		13.4	1.127	0.06	7.15	-249.7	13.43	
1058	6.40	250		13.3	1.134	0.05	7.17	-252.6	13.78	
Sample Collection Method: Peristaltic Pump		Date: 10/23/2025		Time: 1058		Total Volume of Water Purged: 4.5 gal				
Hach Test Kits			Sample Set							
Alkalinity (mg/L) 300		Carbon Dioxide (mg/L) 45		Ferrous Iron (mg/L) 0.34		Hydrogen Sulfide (mg/L) 2.0		DTW		
Parameter		Bottle		Pres.		Method				
VOCs		☒		3-40 mL glass vial		HCL		EPA 8260C		
Dissolved Iron		☒		1-250 mL plastic (field filtered)		HNO3		6010C		
TOC		☒		2-40mL glass vial		H2SO4		5310C		
M.E.E.P.		☒		3-40 mL glass vial		HCL		RSK-175 mod		
Nitrate/Nitrite/ Chloride/Sulfate		☒		1-500mL plastic		unpreserved		300, 353.2 300.0_28D		
BOD		☒		1-1000 mL plastic		unpreserved		5210B		
COD		☒		1-250 mL plastic		H2SO4		410.4		
Sulfide		☒		1-500mL plastic		NaOH/Zn Acetate		4500-S2-F		

Low Flow Sampling Record										
Site Name: IP-BP Hyde Park			Well ID: MW-17A				Well Diameter: 2"			
Samplers: M. Stevener T. Urban			Water Volume Calculation 1 inch= 0.041 6 inch= 1.4 1.5 inch= 0.092 8 inch= 2.5 2 inch= 0.163 10 inch= 4 4 inch= 0.64 = (Total Depth of Well - Depth to Water) × Casing volume per foot				Acceptance Criteria: Temp 3% pH ± 0.1 unit Sp. Cond. 3% ORP ± 10mV DO 10% Turbidity <50 NTU Drawdown <0.3'			
Weather: 50 °F, Mostly Cloudy										
Purging Data:						feet below top of PVC				
Method: Low Flow		Date: 10/23/2025		Time: (hhmm) 1107		Initial Depth to Water 5.87		Depth to Bottom 16.12		
Time hhmm	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:
1110	6.08	250		16.6	1.007	1.50	7.67	-122.1	486.7	
1115	6.23	250		16.6	0.994	0.38	7.63	-155.5	28.25	
1120	6.29	250		16.7	1.003	0.27	7.61	-160.6	12.48	
1125	6.35	250		16.7	1.004	0.21	7.60	-162.7	22.07	
1130	6.40	250		16.7	1.004	0.17	7.59	-164.8	4.57	
1135	6.43	250		16.7	1.005	0.16	7.59	-165.2	8.82	
1140	6.44	250		16.7	1.004	0.15	7.59	-165.3	15.44	
1145	6.46	250		16.7	1.003	0.14	7.59	-165.3	10.86	
1150	6.47	250		16.7	1.003	0.13	7.59	-165.5	9.41	
1155	6.48	250		16.6	1.002	0.13	7.59	-165.9	11.55	
Sample Collection Method: Peristaltic Pump		Date: 10/23/2025		Time: 1155		Total Volume of Water Purged: 3.0 gal				
Hach Test Kits			Sample Set							
Alkalinity (mg/L)		360		Parameter		Bottle		Pres.		Method
Carbon Dioxide (mg/L)		25		VOCs ☒		3-40 mL glass vial		HCL		EPA 8260C
Ferrous Iron (mg/L)		0.00		Dissolved Iron ☒		1-250 mL plastic (field filtered)		HNO3		6010C
Hydrogen Sulfide (mg/L)		0.0		TOC ☒		2-40mL glass vial		H2SO4		5310C
DTW				M.E.E.P. ☒		3-40 mL glass vial		HCL		RSK-175 mod
				Nitrate/Nitrite/ Chloride/Sulfate ☒		1-500mL plastic		unpreserved		300, 353.2 300.0_28D
				BOD ☒		1-1000 mL plastic		unpreserved		5210B
				COD ☒		1-250 mL plastic		H2SO4		410.4
				Sulfide ☒		1-500mL plastic		NaOH/Zn Acetate		4500-S2-F

Low Flow Sampling Record										
Site Name: IP-BP Hyde Park			Well ID: MW-17B				Well Diameter: 2"			
Samplers: M. Stevener T. Urban			Water Volume Calculation 1 inch= 0.041 6 inch= 1.4 1.5 inch= 0.092 8 inch= 2.5 2 inch= 0.163 10 inch= 4 4 inch= 0.64 = (Total Depth of Well - Depth to Water) × Casing volume per foot				Acceptance Criteria: Temp 3% pH ± 0.1 unit Sp. Cond. 3% ORP ± 10mV DO 10% Turbidity <50 NTU Drawdown <0.3'			
Weather: 51 °F, Cloudy										
Purging Data:						feet below top of PVC				
Method: Low Flow		Date: 10/23/2025		Time: (hhmm) 1320		Initial Depth to Water 6.97		Depth to Bottom 31.15		
Time hhmm	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:
1325	7.00	220		15.9	1.718	2.07	6.64	-228.3	119.5	
1330	7.01	220		15.2	1.803	0.06	6.82	-304.1	242.16	
1335	7.03	220		14.9	1.734	0.00	6.87	-340.1	73.96	
1340	7.03	220		14.9	1.588	0.00	6.86	-342.2	23.85	
1345	7.03	220		14.8	1.575	0.00	6.83	-339.7	14.82	
1350	7.03	220		14.8	1.582	0.00	6.83	-338.0	10.47	
1355	7.03	220		14.8	1.516	0.00	6.84	-336.6	4.52	
1400	7.03	220		14.7	1.541	0.00	6.83	-335.2	15.82	
1405	7.03	220		14.7	1.558	0.00	6.86	-334.1	16.82	
1410	7.03	220		14.7	1.555	0.00	6.84	-334.2	13.18	
Sample Collection Method: Peristaltic Pump		Date: 10/23/2025		Time: 1410		Total Volume of Water Purged: 3.0 gal				
Hach Test Kits			Sample Set							
Alkalinity (mg/L)	770	Parameter			Bottle		Pres.		Method	
Carbon Dioxide (mg/L)	60	VOCs		☒	3-40 mL glass vial		HCL		EPA 8260C	
Ferrous Iron (mg/L)	0.06	Dissolved Iron		☒	1-250 mL plastic (field filtered)		HNO3		6010C	
Hydrogen Sulfide (mg/L)	3.0	TOC		☒	2-40mL glass vial		H2SO4		5310C	
DTW		M.E.E.P.		☒	3-40 mL glass vial		HCL		RSK-175 mod	
Strong sulfur odor		Nitrate/Nitrite/ Chloride/Sulfate		☒	1-500mL plastic		unpreserved		300, 353.2 300.0_28D	
		BOD		☒	1-1000 mL plastic		unpreserved		5210B	
		COD		☒	1-250 mL plastic		H2SO4		410.4	
		Sulfide		☒	1-500mL plastic		NaOH/Zn Acetate		4500-S2-F	

Low Flow Sampling Record										
Site Name: IP-BP Hyde Park			Well ID: MW-18B				Well Diameter: 2"			
Samplers: T. Urban			Water Volume Calculation 1 inch= 0.041 6 inch= 1.4 1.5 inch= 0.092 8 inch= 2.5 2 inch= 0.163 10 inch= 4 4 inch= 0.64 = (Total Depth of Well - Depth to Water) × Casing volume per foot				Acceptance Criteria: Temp 3% pH ± 0.1 unit Sp. Cond. 3% ORP ± 10mV DO 10% Turbidity <50 NTU Drawdown <0.3'			
Weather: 51 °F, Cloudy										
Purging Data:						feet below top of PVC				
Method: Low Flow		Date: 10/23/2025		Time: (hhmm) 1325		Initial Depth to Water 7.36		Depth to Bottom 38.10		
Time hhmm	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:
1325	7.36	310		14.7	0.356	1.17	7.35	-212.0	8.92	
1330	7.75	310		14.6	1.217	0.40	6.85	-273.9	9.28	
1335	7.75	310		14.4	1.475	0.05	6.84	-312.5	21.85	
1340	7.75	310		14.5	1.490	0.02	6.84	-330.0	21.79	
1345	7.77	310		14.5	1.496	0.01	6.83	-334.8	21.30	
1350	7.80	310		14.4	1.436	0.00	6.82	-336.8	23.10	
1355	7.80	310		14.4	1.503	0.00	6.82	-337.8	24.18	
1400	7.80	310		14.4	1.507	0.00	6.82	-337.1	23.18	
1405	7.80	310		14.3	1.510	0.00	6.82	-336.0	22.09	
Sample Collection Method: Peristaltic Pump		Date: 10/23/2025		Time: 1405		Total Volume of Water Purged: 4.0 gal				
Hach Test Kits			Sample Set							
Alkalinity (mg/L)		360		Parameter		Bottle		Pres.		Method
Carbon Dioxide (mg/L)		60		VOCs		3-40 mL glass vial		HCL		EPA 8260C
Ferrous Iron (mg/L)		0.21		Dissolved Iron		1-250 mL plastic (field filtered)		HNO3		6010C
Hydrogen Sulfide (mg/L)		5.0		TOC		2-40mL glass vial		H2SO4		5310C
DTW				M.E.E.P.		3-40 mL glass vial		HCL		RSK-175 mod
Effervescent sulfur odor				Nitrate/Nitrite/ Chloride/Sulfate		1-500mL plastic		unpreserved		300, 353.2 300.0_28D
				BOD		1-1000 mL plastic		unpreserved		5210B
				COD		1-250 mL plastic		H2SO4		410.4
				Sulfide		1-500mL plastic		NaOH/Zn Acetate		4500-S2-F

Low Flow Sampling Record										
Site Name: IP-BP Hyde Park			Well ID: MW-19A				Well Diameter: 2"			
Samplers:			Water Volume Calculation 1 inch= 0.041 6 inch= 1.4 1.5 inch= 0.092 8 inch= 2.5 2 inch= 0.163 10 inch= 4 4 inch= 0.64 = (Total Depth of Well - Depth to Water) × Casing volume per foot				Acceptance Criteria: Temp 3% pH ± 0.1 unit Sp. Cond. 3% ORP ± 10mV DO 10% Turbidity <50 NTU Drawdown <0.3'			
T. Urban										
Weather: 41 °F, Sunny										
Purging Data:						feet below top of PVC				
Method: Low Flow		Date: 10/24/2025		Time: 0925 (hhmm)		Initial Depth to Water: 8.04		Depth to Bottom: 37.53		
Time hhmm	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:
0850	8.04	300		14.2	1.883	2.99	7.10	-166.1	122	
0855	8.10	300		14.0	2.027	0.58	7.19	-229.8	16.31	
0900	8.10	300		14.0	2.031	0.30	7.16	-247.2	12.51	
0905	8.10	300		14.1	2.033	0.17	7.10	-255.5	14.33	
0910	8.10	300		14.1	2.034	0.11	7.06	-262.5	11.59	
0915	8.10	300		14.0	2.037	0.06	7.04	-270.0	11.42	
0920	8.10	300		14.0	2.035	0.05	7.03	-274.3	12.08	
0925	8.10	300		14.0	2.030	0.04	7.02	-278.2	12.18	
Sample Collection Method: Peristaltic Pump		Date: 10/24/2025		Time: 0925		Total Volume of Water Purged: 3.0 gal				
Hach Test Kits			Sample Set							
Alkalinity (mg/L)	280	Parameter		Bottle	Pres.	Method				
Carbon Dioxide (mg/L)	35	VOCs	☒	3-40 mL glass vial	HCL	EPA 8260C				
Ferrous Iron (mg/L)	0.00	Dissolved Iron	☐	1-250 mL plastic (field filtered)	HNO3	6010C				
Hydrogen Sulfide (mg/L)	2.0	TOC	☐	2-40mL glass vial	H2SO4	5310C				
DTW		M.E.E.P.	☐	3-40 mL glass vial	HCL	RSK-175 mod				
		Nitrate/Nitrite/ Chloride/Sulfate	☐	1-500mL plastic	unpreserved	300, 353.2 300.0_28D				
		BOD	☐	1-1000 mL plastic	unpreserved	5210B				
		COD	☐	1-250 mL plastic	H2SO4	410.4				
		Sulfide	☐	1-500mL plastic	NaOH/Zn Acetate	4500-S2-F				

Appendix B

Data Usability Summary Report

DATA USABILITY SUMMARY REPORT

**FORMER CARBORUNDUM COMPANY
HYDE PARK FACILITY
TOWN OF NIAGARA, NIAGARA COUNTY, NY
SITE ID 932036**

Analyses Performed by:

**EUROFINS CLEVELAND, BARBERTON, OHIO; and EUROFINS BUFFALO,
AMHERST, NEW YORK.**

Prepared by:

**AECOM
50 LAKEFRONT BOULEVARD, SUITE 111
BUFFALO, NY 14202**

February 2026

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TABLES

(Following Text)

Table 1	Validated Groundwater Sample Analytical Results
Table 2	Validated Field QC Sample Analytical Results

ATTACHMENTS

Attachment A	Support Documentation
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I. INTRODUCTION

This Data Usability Summary Report (DUSR) has been prepared following the guidelines provided in New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation *DER-10, Technical Guidance for Site Investigation and Remediation, Appendix 2B - Guidance for Data Deliverables and the Development of Data Usability Summary Reports*, May 2010. Discussed in this DUSR are the analytical data for seventeen (17) groundwater samples, one (1) field duplicate, one (1) matrix spike/matrix spike duplicate (MS/MSD) pair, one equipment blank (EB), and three (3) trip blanks collected on October 22-24, 2025. The samples were collected at the former Carborundum Company, Hyde Park Facility site (Site ID Number 932036), located in the Town of Niagara, Niagara County, NY and sent to Eurofins Cleveland and Buffalo for analysis. Eurofins is a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) certified laboratory.

II. ANALYTICAL METHODOLOGIES AND DATA VALIDATION PROCEDURES

The groundwater samples were analyzed for the following parameters (not all samples were analyzed for all parameters/analytes):

<u>Parameter</u>	<u>Method Number</u>
Select Chlorinated Volatile Organic Compounds (CVOCs)*	SW8260D
Dissolved Gases (methane, ethane, ethene, and propane)	RSK SOP-175
Dissolved Iron	6010D
Anions (Chloride, Nitrate, Nitrite, and Sulfate)	EPA 300.0
Nitrate-Nitrite as N and Nitrite as N	EPA 353.2
Biochemical Oxygen Demand (BOD ₅)	SM 5210B
Chemical Oxygen Demand	EPA 410.4
Sulfide	SM 4500-S ² F
Total Organic Carbon	SM 5310C

Notes:

* 1,1,1-Trichloroethane, 1,1-dichloroethane, 1,1-dichloroethene, cis-1,2-dichloroethene, trans-1,2-dichloroethene, chloroethane, tetrachloroethene, trichloroethene, and vinyl chloride.

A limited data validation was performed on the samples in accordance with the guidelines in the following USEPA Region II documents:

- *Validating Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry SW-846 Method 8260B & 8260C*, SOP HW-24, Revision 4, October 2014;

- *Standard Operating Procedure for the validation of ICP-AES Data*, SOP QA-HWSS-A-010, Rev. 0, March 1, 2022; and
- *Standard Operating Procedure for the validation of Cyanide Data*, SOP QA-HWSS-A-012, Rev. 0, March 1, 2022.

The limited data review included a review of: completeness of all required deliverables; holding times; QC results [blanks, instrument tunes, calibration standards, MS/MSD recoveries, surrogate and internal standard recoveries, duplicate precision, and laboratory control sample (LCS) recoveries] to determine if the data are within the protocol-required QC limits and specifications; a determination that all samples were analyzed using established and agreed upon analytical protocols; an evaluation of the raw data to confirm the results provided in the data summary sheets; and a review of laboratory data qualifiers.

Qualifications applied to the data during the limited data validation include ‘U’ (non-detect), ‘UJ’ (estimated quantitation limit), ‘NJ’ (tentatively identified, estimated result), ‘J+’ (estimated result, high bias), and ‘J’ (estimated result). Definitions of USEPA data qualifiers are presented at the end of this text. The validated analytical results are presented in Table 1 and Table 2. Documentation supporting the qualification of data is presented in Attachment A. Only analytical deviations affecting data usability are discussed in this report.

III. DATA DELIVERABLE COMPLETENESS

Full deliverable data packages (i.e., NYSDEC ASP Category B or equivalent) were provided by the laboratory (where applicable) and included all reporting forms and raw data necessary to fully evaluate and verify the reported analytical results.

IV. SAMPLE RECEIPT/PRESERVATION/HOLDING TIMES

All samples were received by the laboratory intact, properly preserved, and under proper chain-of-custody (COC).

All samples were analyzed within the required holding times (HT) with the following exceptions.

The following samples MW-7A, MW-7B, MW-16A, MW-16B, MW-17A, MW-18A, MW-18B and MW-17B were received outside of HT for nitrite and nitrate. The results for nitrite and nitrate in these samples have been qualified ‘J’ or ‘UJ’ due to the HT exceedance.

The following samples MW-7A, MW-7B, MW-16A, MW-16B, MW-17A, and MW-18A were received outside of HT for biochemical oxygen demand (BOD₅). The results for BOD₅ in these samples have been qualified ‘J’ or ‘UJ’ due to the HT exceedance.

The following samples were initially shipped to the Eurofins Cleveland. The Cleveland lab subcontracted the analysis for BOD₅, nitrite and nitrate to the Eurofins Buffalo. The samples were received outside of HT for BOD₅, nitrate and nitrite: MW-10A, MW-10B, MW-12B, MW-5A, MW-5B and FD-10222025. The results for BOD₅, nitrite and nitrate in these samples have been qualified 'J' or "UJ" due to the HT exceedance.

V. NON-CONFORMANCES

Instrument Calibration

The continuing calibration verification (CCV) associated with batch 678295 and 678774 recovered above the upper control limit for Chloroethane (high bias). The samples associated with this CCVs were non-detect results for this compound in samples MW-14B, MW-13B, MW-10A, FD-10222025, MW-10B, MW-12B, MW-5A, MW-5B, TB-10222025, EB-10242025, MW-19B, and MW-6; hence the data qualification was not required.

Matrix Spike/Matrix Spike Duplicate

The MS performed on sample MW-12B was below the QC limit for nitrite as N (analyzed by method 300.0). The %R of the MSD and LCS was acceptable. The result for nitrite as N in this sample has been qualified 'UJ'.

The MS/MSD performed on sample MW-12B, RPD was above the QC limit for nitrate as N (analyzed by method 300.0). The %R of the MS/MSD and LCS was acceptable. The sample result was not detected; hence the data qualification was not required.

The MS/MSD performed on sample MW-12B was above the QC limits for Nitrate-Nitrite as N (analyzed by method 353.2). The result for this parameter in sample MW-12B was non detect, hence the data qualification was not required.

The MS/MSD performed on sample MW-16A was above the QC limits for Nitrate and Nitrite (analyzed by method 300). The result for this parameter in sample MW-16A was not detected, hence the data qualification was not required, and this sample qualified based on the HT exceedance.

VI. SAMPLE RESULTS AND REPORTING

A field duplicate was collected at location MW-10A/FD-10222025. The FD exhibited good field and analytical precision (i.e., relative percent difference (RPD) < 20% if sample/FD >5x reporting limit (RL) or

absolute difference < RL if sample/FD $\leq$ 5x RL), except for the analyte sulfide where the absolute difference >RL, hence the results were qualified (J/UJ).

All sample results were reported in accordance with method requirements and were adjusted for sample volume (where applicable). Results reported below the QL, but greater than the MDL, are qualified 'J' by the laboratory.

Several samples for the VOA analysis were diluted due to the presence of high concentrations of target compounds. All of these samples had detections for one or more of the target compounds. The reporting limits for the non-detect compounds are elevated due to the dilutions utilized.

Several samples were analyzed utilizing dilutions for dissolved gases, sulfide and method 300 (ions). The non-detect analytes show elevated detection limits due to the dilutions utilized during the analysis.

VII. SUMMARY

All sample analyses were found to be compliant with the method criteria, except where previously noted. Those results qualified 'UJ' (estimated QL), or 'J' (estimated result) during the data review are considered conditionally usable. All other sample results are usable as reported. AECOM does not recommend the re-collection of any samples at this time.

Prepared By: Manasa M B, Chemist

Date: 2/18/2026

Reviewed By: Peter R. Fairbanks, Senior Chemist

Date: 3/25/2026

DEFINITIONS OF USEPA REGION II/ DATA QUALIFIERS

- U** – The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- J** – The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- J-** – The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample, but biased low.
- J+** – The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample, but biased high.
- NJ--** – The analyte was tentatively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ** – The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R** – The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
- D** – The sample results are reported from a secondary dilution.

TABLE 1
GROUNDWATER SAMPLE ANALYTICAL RESULTS
HYDE PARK FACILITY

Location ID		MW-5A	MW-5B	MW-6B	MW-7A	MW-7B	MW-10A	MW-10B	MW-10B	MW-17B	MW-18A	MW-18B	MW-19B	MW-12B	MW-13B	MW-14B	MW-16A	MW-16B	MW-17A
Sample ID		MW-5A	MW-5B	MW-6B	MW-7A	MW-7B	MW-10A	MW-10B	MW-10B	MW-17B	MW-18A	MW-18B	MW-19B	MW-12B	MW-13B	MW-14B	MW-16A	MW-16B	MW-17A
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Date Sampled		10/22/25	10/22/25	10/24/25	10/23/25	10/23/25	10/22/25	10/22/25	10/22/25	10/23/25	10/23/25	10/23/25	10/24/25	10/22/25	10/22/25	10/23/25	10/23/25	10/23/25	10/23/25
Parameter	Units																		
Volatile Organic Compounds																			
Tetrachloroethene	UG/L	1.0 U	1.0 U	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U
Trichloroethene	UG/L	0.46 J	1.0 U	1.0 U	4.0 U	1.0 U	5.2	1.0 U	1.0 U	1.0 U	42	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U
1,2-Dichloroethene (cis)	UG/L	2.4	20	12	160	2.2	380	390	310	1.0 U	50	25	1.6	42	6.2	1.0 U	0.57 J	2.5	21
1,2-Dichloroethene (trans)	UG/L	1.0 U	1.0 U	1.0 U	4.0 U	1.0 U	3.3	0.62 J	1.0 U	1.1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U
1,1-Dichloroethene	UG/L	1.0 U	1.0 U	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U
Vinyl chloride	UG/L	0.97 J	75	65	160	15	130	140	270	0.98 J	7.4	23	0.98 J	88	10	1.6	35	5.6	68
1,1,1-Trichloroethane	UG/L	1.0 U	1.0 U	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U
1,1-Dichloroethane	UG/L	1.0 U	1.0 U	1.0 U	26	1.0 U	2.9	2.9	0.60 J	6.8	4.5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	9.7
Chloroethane	UG/L	1.0 U	1.0 U	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U	3.7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U
Dissolved Metals																			
Iron, Dissolved	UG/L	0.200 U	0.200 U	NA	2.7	0.200 U	1.2	1.1	0.100 J	0.200 U	2.5	0.140 J	NA	0.200 U	NA	NA	0.66	0.120 J	0.46
Dissolved Gasses																			
Ethane	UG/L	1.0 U	1.0 U	NA	19	1.0 U	5.2	4.8	1.3	21	0.90 J	1.6	NA	0.58 J	NA	NA	0.70 J	2.4	6.9
Ethene	UG/L	1.0 U	2.0	NA	48	2.6	26	24	45	0.47 J	0.64 J	0.96 J	NA	6.0	NA	NA	34	3.3	18
Methane	UG/L	7.1	160	NA	4000	180	2300	2100	3200	20000	1800	25000	NA	200	NA	NA	140	7700	8700
Propane	UG/L	0.40 J	1.0 U	NA	1.0 U	1.0 U	1.0 U	1.0 U	3.5	1.0 U	1.0 U	1.0 U	NA	0.88 J	NA	NA	1.0 U	1.0 U	1.0 U
Miscellaneous Parameters																			
Biochemical Oxygen Demand (BOD)	MG/L	2.0 UJ	2.0 UJ	NA	4.1 J	<6.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	20	2.0 UJ	31	NA	2.0 UJ	NA	NA	3.2 J	7.8 J	9.0 J
Chemical Oxygen Demand (BOD)	MG/L	4.2 J	11	NA	16	13	5.2 J	3.3 J	14	32	4.6 J	55	NA	11	NA	NA	49	51	2.6

DATA QUALIFIERS

UJ -	The analyte was not detected above the reported sample quantitation limit
J -	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample
D -	The sample results are reported from a secondary dilution.
NA -	Not applicable

TABLE 2
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
HYDE PARK FACILITY

Location ID		FIELDQC	FIELDQC	FIELDQC	FIELDQC
Sample ID		TB-10222025	TB-10232025	EB-10242025	TB-10242025
Matrix		Water Quality	Water Quality	Water Quality	Water Quality
Depth Interval (ft)		-	-	-	-
Date Sampled		10/22/25	10/23/25	10/24/25	10/24/25
Parameter	Units				
Volatile Organic Compounds					
Tetrachloroethene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (cis)	UG/L	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (trans)	UG/L	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	UG/L	1.0 U	1.0 U	1.0 U	1.0 U
1,1,1-Trichloroethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U
Dissolved Metals					
Iron, Dissolved	UG/L	NA	NA	0.200 U	NA
Dissolved Gasses					
Ethane	UG/L	NA	NA	1.0 U	NA
Ethene	UG/L	NA	NA	1.0 U	NA
Methane	UG/L	NA	NA	1.0 U	NA
Propane	UG/L	NA	NA	1.0 U	NA
Miscellaneous Parameters					
Biochemical Oxygen Demand (BOD)	MG/L	NA	NA	2.0 U	NA
Chemical Oxygen Demand (BOD)	MG/L	NA	NA	10 U	NA
Total Organic Carbon	MG/L	NA	NA	1.0 U	NA
Chloride	MG/L	NA	NA	1.0 U	NA
Sulfate (as SO4)	MG/L	NA	NA	1.0 U	NA
Sulfide	MG/L	NA	NA	1.0 U	NA
Nitrate-Nitrogen	MG/L	NA	NA	0.10 U	NA
Nitrite-Nitrogen	MG/L	NA	NA	0.10 U	NA
Nitrate-Nitrite	MG/L	NA	NA	0.10 U	NA
U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit. NA - Not applicable					

ATTACHMENT A
SUPPORT DOCUMENTATION

Laboratory Management Program LaMP Chain of Custody Record

Page 1 of 2

BP/ARC Project Name: BP IPO
BP/ARC Facility No: BP Hyde Park

Req Due Date (mm/dd/yy): _____ Rush TAT: Yes _____ No X
Lab Work Order Number: _____

Lab Name: Eurofins (Cleveland, OH)				BP/ARC Facility Address: 3425 Hyde Park Blvd				Consultant/Contractor: AECOM			
Lab Address: 180 S Van Buren Ave, Barberton, OH 44203				City, State, ZIP Code: Niagara, NY 14305				Consultant/Contractor Project No: 60481767.105.24.01H			
Lab PM: Lab Contact: Opal Johnson				Lead Regulatory Agency: NYSDEC				Address: 50 Lakefront Blvd Ste 111, Buffalo, NY 14202			
Lab Phone: 330-497-9396 / 330-497-0772 (fax)				California Global ID No.: _____				Consultant/Contractor PM: James Kaczor			
Lab Shipping Acctn:				Enfos Proposal No: _____				Phone: 716-923-1300			
Lab Bottle Order No: _____				Accounting Mode: Provision <u> </u> OOC-BU <u> </u> OOC-RM <u> </u>				Email EDD To: James.Kaczor@aecom.com			
Other Info: PO # 1643548				Stage: _____ Activity: _____				Invoice To: BP/ARC <u> </u> Contractor <u>X</u>			

Lab No.	Sample Description	Date	Time	Matrix			No. Containers / Preservative						Requested Analyses										Report Type & QC Level							
				Soil / Solid	Water / Liquid	Air / Vapor	Total Number of Containers	Unpreserved	HNO3	HCl	NaOH/Zn-acetate	H2SO4	8260C - VOCs	SM-4500 - S2_F - Sulfide	410.4 - COD	RSK 175 - Dissolved Gases	5310 C - TOC	5210-BOD (TA - Buffalo)	300, 353.2, nitrate-nitrite 300.0_28D chloride, sulfate (TA - Buffalo)	6010C - Dissolved Iron (field filtered)	1633 - PFC_IDA-PFAS	8270D - SIM 1,4-Dioxane	Standard _____ Full Data Package _____							
	MW-14B	10/22/25	0940	X			3																							
	MW-13B	10/22/25	1135	X			3																							
	MW-10A	10/22/25	1135	X			15	3	1	6	1	4		3	1	1	3	3	1	2	1									
	FD-10222025	10/22/25	—	X			15	3	1	6	1	4		3	1	1	3	3	1	2	1									
	MW-10B	10/22/25	1315	X			15	3	1	6	1	4		3	1	1	3	3	1	2	1									
	MW-12B	10/22/25	1345	X			15	3	1	6	1	4		3	1	1	3	3	1	2	1									
	MW-12B-MS	10/22/25	1345	X			15	3	1	6	1	4		3	1	1	3	3	1	2	1									
	MW-12B-MSD	10/22/25	1345	X			15	3	1	6	1	4		3	1	1	3	3	1	2	1									
	MW-5A	10/22/25	1530	X			15	3	1	6	1	4		3	1	1	3	3	1	2	1									
	MW-5B	10/22/25	1555	X			15	3	1	6	1	4		3	1	1	3	3	1	2	1									


 240-236097 COC

Sampler's Name: Tom Urban		Relinquished By / Affiliation		Date	Time	Accepted By / Affiliation		Date	Time
Sampler's Company: AECOM		Tom Urban / AECOM		10/22/25		Andrew Ciolek		10/22/25	1715
Shipment Method: Dropoff at Eurofins Buffalo, NY Ship Date: _____		Andrew Ciolek		10/23/25	1600	JAYDEN COLLINS		10/24/25	1015
Shipment Tracking No: _____		Temp 816 714 IP#SC1		ICE					

Special Instructions: PO #97842 Line 17: Eurofins Buffalo to ship to Eurofins Cleveland except short hold bottles 5210-BOD, 300, 353.2, 300.0_28D :

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No	Temp Blank: Yes / No	Cooler Temp on Receipt: _____ °F/C	Trip Blank: Yes / No	MS/MSD Sample Submitted: Yes / No
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BP/ARC LaMP COC Rev. 6 01/01/2009

Page 2 of 2

Req Due Date (mm/dd/yy): _____ Rush TAT: Yes _____ No ☒

Lab Work Order Number: _____

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No Temp Blank: Yes / No Cooler Temp on Receipt: °F/C Trip Blank: Yes / No MS/MSD Sample Submitted: Yes / No

Case Narrative

Client: AECOM
Project: BP Hyde Park

Job ID: 240-236097-1

Job ID: 240-236097-1

Eurofins Cleveland

Job Narrative 240-236097-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 10/24/2025 10:15 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.8°C and 3.0°C.

GC/MS VOA

Method 8260D: The continuing calibration verification (CCV) associated with batch 240-678295 recovered above the upper control limit for Chloroethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are: MW-14B (240-236097-1), MW-13B (240-236097-2), MW-10A (240-236097-3), FD-10222025 (240-236097-4), MW-10B (240-236097-5), MW-12B (240-236097-6), MW-5A (240-236097-7), MW-5B (240-236097-8) and TB-10222025 (240-236097-9).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

Method 300_48HR: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for analytical batch 480-760887 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300_48HR: The following sample(s) was received with less than 2 days remaining on the holding time or less than one shift (8 hours) remaining on a test with a holding time of 48 hours or less. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: MW-10A (240-236097-3), MW-10B (240-236097-5), MW-12B (240-236097-6), MW-5A (240-236097-7) and MW-5B (240-236097-8).

Method 300_48HR: The following sample was analyzed outside of analytical holding time due to received outside of holding time: FD-10222025 (240-236097-4).

Method 353.2_Nitrite: The following samples were received by the subcontract lab outside of holding time: MW-10A (240-236097-3), FD-10222025 (240-236097-4), MW-10B (240-236097-5), MW-12B (240-236097-6), MW-12B-MS (240-236097-6[MS]), MW-12B-MSD (240-236097-6[MSD]), MW-5A (240-236097-7) and MW-5B (240-236097-8).

Method 5210B: The following sample(s) was received outside of holding time: 480-234158-1, 480-234158-2, 480-234166-1, 480-234166-2, and 240-236097-4.

Method 5210B: The following samples were analyzed outside of analytical holding time due to laboratory error: MW-10A (240-236097-3), MW-10B (240-236097-5), MW-12B (240-236097-6), MW-12B-MS (240-236097-6[MS]), MW-12B-MSD (240-236097-6[MSD]), MW-5A (240-236097-7) and MW-5B (240-236097-8).

Method SM4500_S2_F: The following sample was diluted due to the nature of the sample matrix: MW-12B (240-236097-6).

Eurofins Cleveland

Case Narrative

Client: AECOM
Project: BP Hyde Park

Job ID: 240-236097-1

Job ID: 240-236097-1 (Continued)

Eurofins Cleveland

Elevated reporting limits (RLs) are provided. 200 mL of sample consumed 20 mL of Iodine

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Eurofins Cleveland

Client Sample Results

Client: AECOM
Project/Site: BP Hyde Park

Job ID: 240-236097-1

Client Sample ID: MW-14B

Lab Sample ID: 240-236097-1

Date Collected: 10/22/25 09:40

Matrix: Water

Date Received: 10/24/25 10:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			10/30/25 00:47	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			10/30/25 00:47	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			10/30/25 00:47	1
Chloroethane	ND		1.0	0.83	ug/L			10/30/25 00:47	1
cis-1,2-Dichloroethene	ND		1.0	0.46	ug/L			10/30/25 00:47	1
Tetrachloroethene	ND		1.0	0.44	ug/L			10/30/25 00:47	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			10/30/25 00:47	1
Trichloroethene	ND		1.0	0.44	ug/L			10/30/25 00:47	1
Vinyl chloride	1.6		1.0	0.45	ug/L			10/30/25 00:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		78 - 122		10/30/25 00:47	1
Dibromofluoromethane (Surr)	108		73 - 120		10/30/25 00:47	1
4-Bromofluorobenzene (Surr)	106		56 - 136		10/30/25 00:47	1
1,2-Dichloroethane-d4 (Surr)	107		62 - 137		10/30/25 00:47	1

Manasa M B
3/27/2026

Eurofins Cleveland

Client Sample Results

Client: AECOM
Project/Site: BP Hyde Park

Job ID: 240-236097-1

Client Sample ID: MW-13B

Lab Sample ID: 240-236097-2

Date Collected: 10/22/25 11:35

Matrix: Water

Date Received: 10/24/25 10:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			10/30/25 01:10	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			10/30/25 01:10	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			10/30/25 01:10	1
Chloroethane	ND		1.0	0.83	ug/L			10/30/25 01:10	1
cis-1,2-Dichloroethene	6.2		1.0	0.46	ug/L			10/30/25 01:10	1
Tetrachloroethene	ND		1.0	0.44	ug/L			10/30/25 01:10	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			10/30/25 01:10	1
Trichloroethene	ND		1.0	0.44	ug/L			10/30/25 01:10	1
Vinyl chloride	10		1.0	0.45	ug/L			10/30/25 01:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		78 - 122		10/30/25 01:10	1
Dibromofluoromethane (Surr)	111		73 - 120		10/30/25 01:10	1
4-Bromofluorobenzene (Surr)	107		56 - 136		10/30/25 01:10	1
1,2-Dichloroethane-d4 (Surr)	110		62 - 137		10/30/25 01:10	1

Manasa M B
3/27/2026

Eurofins Cleveland

Client Sample Results

Client: AECOM
Project/Site: BP Hyde Park

Job ID: 240-236097-1

Client Sample ID: MW-10A

Lab Sample ID: 240-236097-3

Date Collected: 10/22/25 11:35

Matrix: Water

Date Received: 10/24/25 10:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			10/30/25 01:34	1
1,1-Dichloroethane	2.9		1.0	0.47	ug/L			10/30/25 01:34	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			10/30/25 01:34	1
Chloroethane	ND		1.0	0.83	ug/L			10/30/25 01:34	1
cis-1,2-Dichloroethene	380		10	4.6	ug/L			10/30/25 15:00	10
Tetrachloroethene	ND		1.0	0.44	ug/L			10/30/25 01:34	1
trans-1,2-Dichloroethene	3.3		1.0	0.51	ug/L			10/30/25 01:34	1
Trichloroethene	5.2		1.0	0.44	ug/L			10/30/25 01:34	1
Vinyl chloride	130		10	4.5	ug/L			10/30/25 15:00	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		78 - 122		10/30/25 01:34	1
Toluene-d8 (Surr)	102		78 - 122		10/30/25 15:00	10
Dibromofluoromethane (Surr)	112		73 - 120		10/30/25 01:34	1
Dibromofluoromethane (Surr)	106		73 - 120		10/30/25 15:00	10
4-Bromofluorobenzene (Surr)	110		56 - 136		10/30/25 01:34	1
4-Bromofluorobenzene (Surr)	105		56 - 136		10/30/25 15:00	10
1,2-Dichloroethane-d4 (Surr)	111		62 - 137		10/30/25 01:34	1
1,2-Dichloroethane-d4 (Surr)	106		62 - 137		10/30/25 15:00	10

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	2300		1.0	0.17	ug/L			10/27/25 00:06	1
Ethane	5.2		1.0	0.29	ug/L			10/27/25 00:06	1
Ethylene	26		1.0	0.12	ug/L			10/27/25 00:06	1
Propane	ND		1.0	0.38	ug/L			10/27/25 00:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,1,1-Trifluoroethane	96		60 - 140		10/27/25 00:06	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	1200		200	83	ug/L		10/26/25 12:00	10/28/25 11:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	140		5.0	0.64	mg/L			10/27/25 19:54	5
Nitrate as N (EPA 300.0)	0.044	J H J	0.050	0.025	mg/L			10/27/25 23:22	1
Nitrite as N (EPA 300.0)	UJ	ND H	0.050	0.025	mg/L			10/27/25 23:22	1
Sulfate (EPA 300.0)	130		5.0	1.7	mg/L			10/27/25 19:54	5
Nitrate Nitrite as N (EPA 353.2)	ND		0.050	0.020	mg/L			11/01/25 18:40	1
Nitrite as N (EPA 353.2)	ND	H	0.050	0.020	mg/L			11/06/25 15:18	1
Chemical Oxygen Demand (EPA 410.4)	5.2	J	10	1.8	mg/L			10/27/25 11:20	1
Sulfide (SM 4500 S2 F-2000)	ND		1.0	0.27	mg/L			10/28/25 10:41	1
Total Organic Carbon (SM 5310C-2000)	1.4		1.0	0.44	mg/L			10/30/25 15:27	1
Biochemical Oxygen Demand (SM 5210B)	ND	H UJ	2.0	2.0	mg/L			11/03/25 18:02	1

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Client Sample Results

Client: AECOM
Project/Site: BP Hyde Park

Job ID: 240-236097-1

Client Sample ID: FD-10222025

Lab Sample ID: 240-236097-4

Date Collected: 10/22/25 00:00

Matrix: Water

Date Received: 10/24/25 10:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			10/30/25 01:57	1
1,1-Dichloroethane	2.9		1.0	0.47	ug/L			10/30/25 01:57	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			10/30/25 01:57	1
Chloroethane	ND		1.0	0.83	ug/L			10/30/25 01:57	1
cis-1,2-Dichloroethene	390		10	4.6	ug/L			10/30/25 15:24	10
Tetrachloroethene	ND		1.0	0.44	ug/L			10/30/25 01:57	1
trans-1,2-Dichloroethene	3.3		1.0	0.51	ug/L			10/30/25 01:57	1
Trichloroethene	5.2		1.0	0.44	ug/L			10/30/25 01:57	1
Vinyl chloride	140		10	4.5	ug/L			10/30/25 15:24	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		78 - 122		10/30/25 01:57	1
Toluene-d8 (Surr)	101		78 - 122		10/30/25 15:24	10
Dibromofluoromethane (Surr)	108		73 - 120		10/30/25 01:57	1
Dibromofluoromethane (Surr)	107		73 - 120		10/30/25 15:24	10
4-Bromofluorobenzene (Surr)	103		56 - 136		10/30/25 01:57	1
4-Bromofluorobenzene (Surr)	105		56 - 136		10/30/25 15:24	10
1,2-Dichloroethane-d4 (Surr)	106		62 - 137		10/30/25 01:57	1
1,2-Dichloroethane-d4 (Surr)	107		62 - 137		10/30/25 15:24	10

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	2100		1.0	0.17	ug/L			10/27/25 00:40	1
Ethane	4.8		1.0	0.29	ug/L			10/27/25 00:40	1
Ethylene	24		1.0	0.12	ug/L			10/27/25 00:40	1
Propane	ND		1.0	0.38	ug/L			10/27/25 00:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1, 1, 1-Trifluoroethane	95		60 - 140		10/27/25 00:40	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	1100		200	83	ug/L		10/26/25 12:00	10/28/25 11:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	140		5.0	0.64	mg/L			10/27/25 20:22	5
Nitrate as N (EPA 300.0)	ND	H H3	0.050	0.025	mg/L			10/27/25 23:36	1
Nitrite as N (EPA 300.0)	ND	H H3	0.050	0.025	mg/L			10/27/25 23:36	1
Sulfate (EPA 300.0)	130		5.0	1.7	mg/L			10/27/25 20:22	5
Nitrate Nitrite as N (EPA 353.2)	ND		0.050	0.020	mg/L			11/01/25 18:42	1
Nitrite as N (EPA 353.2)	ND	H H3	0.050	0.020	mg/L			11/06/25 15:19	1
Chemical Oxygen Demand (EPA 410.4)	3.3	J	10	1.8	mg/L			10/27/25 11:20	1
Sulfide (SM 4500 S2 F-2000)	29		1.0	0.27	mg/L			10/28/25 10:41	1
Total Organic Carbon (SM 5310C-2000)	1.4		1.0	0.44	mg/L			10/30/25 15:51	1
Biochemical Oxygen Demand (SM 5210B)	ND	H H3	2.0	2.0	mg/L			11/03/25 18:02	1

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Client Sample Results

Client: AECOM
Project/Site: BP Hyde Park

Job ID: 240-236097-1

Client Sample ID: MW-10B

Lab Sample ID: 240-236097-5

Date Collected: 10/22/25 13:15

Matrix: Water

Date Received: 10/24/25 10:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			10/30/25 02:21	1
1,1-Dichloroethane	0.60	J	1.0	0.47	ug/L			10/30/25 02:21	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			10/30/25 02:21	1
Chloroethane	ND		1.0	0.83	ug/L			10/30/25 02:21	1
cis-1,2-Dichloroethene	310		10	4.6	ug/L			10/30/25 15:47	10
Tetrachloroethene	ND		1.0	0.44	ug/L			10/30/25 02:21	1
trans-1,2-Dichloroethene	0.62	J	1.0	0.51	ug/L			10/30/25 02:21	1
Trichloroethene	ND		1.0	0.44	ug/L			10/30/25 02:21	1
Vinyl chloride	270		10	4.5	ug/L			10/30/25 15:47	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		78 - 122		10/30/25 02:21	1
Toluene-d8 (Surr)	102		78 - 122		10/30/25 15:47	10
Dibromofluoromethane (Surr)	108		73 - 120		10/30/25 02:21	1
Dibromofluoromethane (Surr)	106		73 - 120		10/30/25 15:47	10
4-Bromofluorobenzene (Surr)	105		56 - 136		10/30/25 02:21	1
4-Bromofluorobenzene (Surr)	107		56 - 136		10/30/25 15:47	10
1,2-Dichloroethane-d4 (Surr)	107		62 - 137		10/30/25 02:21	1
1,2-Dichloroethane-d4 (Surr)	107		62 - 137		10/30/25 15:47	10

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	3200		1.0	0.17	ug/L			10/27/25 00:57	1
Ethane	1.3		1.0	0.29	ug/L			10/27/25 00:57	1
Ethylene	45		1.0	0.12	ug/L			10/27/25 00:57	1
Propane	3.5		1.0	0.38	ug/L			10/27/25 00:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1, 1, 1-Trifluoroethane	94		60 - 140		10/27/25 00:57	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	100	J	200	83	ug/L		10/26/25 12:00	10/28/25 11:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	160		5.0	0.64	mg/L			10/27/25 20:31	5
Nitrate as N (EPA 300.0)	ND	H	0.050	0.025	mg/L			10/27/25 23:51	1
Nitrite as N (EPA 300.0)	ND	H	0.050	0.025	mg/L			10/27/25 23:51	1
Sulfate (EPA 300.0)	220		5.0	1.7	mg/L			10/27/25 20:31	5
Nitrate Nitrite as N (EPA 353.2)	ND		0.050	0.020	mg/L			11/01/25 18:44	1
Nitrite as N (EPA 353.2)	ND	H	0.050	0.020	mg/L			11/06/25 15:22	1
Chemical Oxygen Demand (EPA 410.4)	14		10	1.8	mg/L			10/27/25 11:20	1
Sulfide (SM 4500 S2 F-2000)	1.5		1.0	0.27	mg/L			10/28/25 10:41	1
Total Organic Carbon (SM 5310C-2000)	3.0		1.0	0.44	mg/L			10/29/25 22:52	1
Biochemical Oxygen Demand (SM 5210B)	ND	H	2.0	2.0	mg/L			11/03/25 18:02	1

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Client Sample Results

Client: AECOM
Project/Site: BP Hyde Park

Job ID: 240-236097-1

Client Sample ID: MW-12B

Lab Sample ID: 240-236097-6

Date Collected: 10/22/25 13:45

Matrix: Water

Date Received: 10/24/25 10:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			10/30/25 05:05	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			10/30/25 05:05	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			10/30/25 05:05	1
Chloroethane	ND		1.0	0.83	ug/L			10/30/25 05:05	1
cis-1,2-Dichloroethene	42		1.0	0.46	ug/L			10/30/25 05:05	1
Tetrachloroethene	ND		1.0	0.44	ug/L			10/30/25 05:05	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			10/30/25 05:05	1
Trichloroethene	ND		1.0	0.44	ug/L			10/30/25 05:05	1
Vinyl chloride	88		5.0	2.3	ug/L			10/30/25 16:11	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		78 - 122		10/30/25 05:05	1
Toluene-d8 (Surr)	102		78 - 122		10/30/25 16:11	5
Dibromofluoromethane (Surr)	106		73 - 120		10/30/25 05:05	1
Dibromofluoromethane (Surr)	108		73 - 120		10/30/25 16:11	5
4-Bromofluorobenzene (Surr)	103		56 - 136		10/30/25 05:05	1
4-Bromofluorobenzene (Surr)	106		56 - 136		10/30/25 16:11	5
1,2-Dichloroethane-d4 (Surr)	107		62 - 137		10/30/25 05:05	1
1,2-Dichloroethane-d4 (Surr)	107		62 - 137		10/30/25 16:11	5

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	200		1.0	0.17	ug/L			10/27/25 01:14	1
Ethane	0.58	J	1.0	0.29	ug/L			10/27/25 01:14	1
Ethylene	6.0		1.0	0.12	ug/L			10/27/25 01:14	1
Propane	0.88	J	1.0	0.38	ug/L			10/27/25 01:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,1,1-Trifluoroethane	95		60 - 140		10/27/25 01:14	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		200	83	ug/L		10/26/25 12:00	10/27/25 10:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	190		5.0	0.64	mg/L			10/27/25 18:50	5
Nitrate as N (EPA 300.0)	ND	H F2	0.050	0.025	mg/L			10/28/25 00:35	1
Nitrite as N (EPA 300.0)	ND	H	0.050	0.025	mg/L			10/28/25 00:35	1
Sulfate (EPA 300.0)	250		5.0	1.7	mg/L			10/27/25 18:50	5
Nitrate Nitrite as N (EPA 353.2)	ND	F1	0.050	0.020	mg/L			11/01/25 18:54	1
Nitrite as N (EPA 353.2)	ND	H F1	0.050	0.020	mg/L			11/06/25 15:21	1
Chemical Oxygen Demand (EPA 410.4)	11		10	1.8	mg/L			10/27/25 11:20	1
Sulfide (SM 4500 S2 F-2000)	1.9	J	2.0	0.53	mg/L			10/28/25 10:41	2
Total Organic Carbon (SM 5310C-2000)	2.7		1.0	0.44	mg/L			10/29/25 21:45	1
Biochemical Oxygen Demand (SM 5210B)	ND	H	2.0	2.0	mg/L			11/03/25 18:02	1

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Client Sample Results

Client: AECOM
Project/Site: BP Hyde Park

Job ID: 240-236097-1

Client Sample ID: MW-5A

Lab Sample ID: 240-236097-7

Date Collected: 10/22/25 15:30

Matrix: Water

Date Received: 10/24/25 10:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			10/30/25 02:44	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			10/30/25 02:44	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			10/30/25 02:44	1
Chloroethane	ND		1.0	0.83	ug/L			10/30/25 02:44	1
cis-1,2-Dichloroethene	2.4		1.0	0.46	ug/L			10/30/25 13:26	1
Tetrachloroethene	ND		1.0	0.44	ug/L			10/30/25 02:44	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			10/30/25 02:44	1
Trichloroethene	0.46	J	1.0	0.44	ug/L			10/30/25 02:44	1
Vinyl chloride	0.97	J	1.0	0.45	ug/L			10/30/25 13:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		78 - 122		10/30/25 02:44	1
Toluene-d8 (Surr)	104		78 - 122		10/30/25 13:26	1
Dibromofluoromethane (Surr)	107		73 - 120		10/30/25 02:44	1
Dibromofluoromethane (Surr)	109		73 - 120		10/30/25 13:26	1
4-Bromofluorobenzene (Surr)	102		56 - 136		10/30/25 02:44	1
4-Bromofluorobenzene (Surr)	106		56 - 136		10/30/25 13:26	1
1,2-Dichloroethane-d4 (Surr)	108		62 - 137		10/30/25 02:44	1
1,2-Dichloroethane-d4 (Surr)	110		62 - 137		10/30/25 13:26	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	7.1		1.0	0.17	ug/L			10/27/25 02:04	1
Ethane	ND		1.0	0.29	ug/L			10/27/25 02:04	1
Ethylene	ND		1.0	0.12	ug/L			10/27/25 02:04	1
Propane	0.40	J	1.0	0.38	ug/L			10/27/25 02:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,1,1-Trifluoroethane	95		60 - 140		10/27/25 02:04	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		200	83	ug/L		10/26/25 12:00	10/28/25 11:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	73		1.0	0.13	mg/L			10/27/25 20:40	1
Nitrate as N (EPA 300.0)	J 0.091	H	0.050	0.025	mg/L			10/28/25 00:06	1
Nitrite as N (EPA 300.0)	ND	H	0.050	0.025	mg/L			10/28/25 00:06	1
Sulfate (EPA 300.0)	79		1.0	0.35	mg/L			10/27/25 20:40	1
Nitrate Nitrite as N (EPA 353.2)	0.080		0.050	0.020	mg/L			11/01/25 19:00	1
Nitrite as N (EPA 353.2)	ND	H	0.050	0.020	mg/L			11/06/25 15:22	1
Chemical Oxygen Demand (EPA 410.4)	4.2	J	10	1.8	mg/L			10/27/25 11:20	1
Sulfide (SM 4500 S2 F-2000)	14		1.0	0.27	mg/L			10/28/25 10:41	1
Total Organic Carbon (SM 5310C-2000)	0.55	J	1.0	0.44	mg/L			10/29/25 23:15	1
Biochemical Oxygen Demand (SM 5210B)	ND	H	2.0	2.0	mg/L			11/03/25 18:02	1

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Client Sample Results

Client: AECOM
Project/Site: BP Hyde Park

Job ID: 240-236097-1

Client Sample ID: MW-5B

Lab Sample ID: 240-236097-8

Date Collected: 10/22/25 15:55

Matrix: Water

Date Received: 10/24/25 10:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			10/30/25 03:08	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			10/30/25 03:08	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			10/30/25 03:08	1
Chloroethane	ND		1.0	0.83	ug/L			10/30/25 03:08	1
cis-1,2-Dichloroethene	20		1.0	0.46	ug/L			10/30/25 03:08	1
Tetrachloroethene	ND		1.0	0.44	ug/L			10/30/25 03:08	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			10/30/25 03:08	1
Trichloroethene	ND		1.0	0.44	ug/L			10/30/25 03:08	1
Vinyl chloride	75		2.0	0.90	ug/L			10/30/25 13:50	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		78 - 122		10/30/25 03:08	1
Toluene-d8 (Surr)	103		78 - 122		10/30/25 13:50	2
Dibromofluoromethane (Surr)	108		73 - 120		10/30/25 03:08	1
Dibromofluoromethane (Surr)	108		73 - 120		10/30/25 13:50	2
4-Bromofluorobenzene (Surr)	107		56 - 136		10/30/25 03:08	1
4-Bromofluorobenzene (Surr)	106		56 - 136		10/30/25 13:50	2
1,2-Dichloroethane-d4 (Surr)	109		62 - 137		10/30/25 03:08	1
1,2-Dichloroethane-d4 (Surr)	107		62 - 137		10/30/25 13:50	2

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	160		1.0	0.17	ug/L			10/27/25 02:21	1
Ethane	ND		1.0	0.29	ug/L			10/27/25 02:21	1
Ethylene	2.0		1.0	0.12	ug/L			10/27/25 02:21	1
Propane	ND		1.0	0.38	ug/L			10/27/25 02:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,1,1-Trifluoroethane	94		60 - 140		10/27/25 02:21	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		200	83	ug/L		10/26/25 12:00	10/28/25 11:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	180		5.0	0.64	mg/L			10/27/25 20:49	5
Nitrate as N (EPA 300.0)	J 0.090	H	0.050	0.025	mg/L			10/28/25 00:20	1
Nitrite as N (EPA 300.0)	ND	H	0.050	0.025	mg/L			10/28/25 00:20	1
Sulfate (EPA 300.0)	210		5.0	1.7	mg/L			10/27/25 20:49	5
Nitrate Nitrite as N (EPA 353.2)	0.042	J	0.050	0.020	mg/L			11/01/25 19:02	1
Nitrite as N (EPA 353.2)	ND	H	0.050	0.020	mg/L			11/06/25 15:23	1
Chemical Oxygen Demand (EPA 410.4)	11		10	1.8	mg/L			10/27/25 11:20	1
Sulfide (SM 4500 S2 F-2000)	ND		1.0	0.27	mg/L			10/28/25 10:41	1
Total Organic Carbon (SM 5310C-2000)	2.8		1.0	0.44	mg/L			10/29/25 23:38	1
Biochemical Oxygen Demand (SM 5210B)	ND	H	2.0	2.0	mg/L			11/03/25 18:02	1

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3/27/2026

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Client Sample Results

Client: AECOM
Project/Site: BP Hyde Park

Job ID: 240-236097-1

Client Sample ID: TB-10222025

Lab Sample ID: 240-236097-9

Date Collected: 10/22/25 00:00

Matrix: Water

Date Received: 10/24/25 10:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			10/30/25 00:00	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			10/30/25 00:00	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			10/30/25 00:00	1
Chloroethane	ND		1.0	0.83	ug/L			10/30/25 00:00	1
cis-1,2-Dichloroethene	ND		1.0	0.46	ug/L			10/30/25 00:00	1
Tetrachloroethene	ND		1.0	0.44	ug/L			10/30/25 00:00	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			10/30/25 00:00	1
Trichloroethene	ND		1.0	0.44	ug/L			10/30/25 00:00	1
Vinyl chloride	ND		1.0	0.45	ug/L			10/30/25 00:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		78 - 122		10/30/25 00:00	1
Dibromofluoromethane (Surr)	109		73 - 120		10/30/25 00:00	1
4-Bromofluorobenzene (Surr)	104		56 - 136		10/30/25 00:00	1
1,2-Dichloroethane-d4 (Surr)	109		62 - 137		10/30/25 00:00	1

Manasa M B
3/27/2026

Eurofins Cleveland

QC Sample Results

Client: AECOM
Project/Site: BP Hyde Park

Job ID: 240-236097-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 240-678295/8

Matrix: Water

Analysis Batch: 678295

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			10/29/25 23:37	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			10/29/25 23:37	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			10/29/25 23:37	1
Chloroethane	ND		1.0	0.83	ug/L			10/29/25 23:37	1
cis-1,2-Dichloroethene	ND		1.0	0.46	ug/L			10/29/25 23:37	1
Tetrachloroethene	ND		1.0	0.44	ug/L			10/29/25 23:37	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			10/29/25 23:37	1
Trichloroethene	ND		1.0	0.44	ug/L			10/29/25 23:37	1
Vinyl chloride	ND		1.0	0.45	ug/L			10/29/25 23:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		78 - 122		10/29/25 23:37	1
Dibromofluoromethane (Surr)	105		73 - 120		10/29/25 23:37	1
4-Bromofluorobenzene (Surr)	106		56 - 136		10/29/25 23:37	1
1,2-Dichloroethane-d4 (Surr)	105		62 - 137		10/29/25 23:37	1

Lab Sample ID: LCS 240-678295/3

Matrix: Water

Analysis Batch: 678295

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	25.4		ug/L		102	64 - 131
1,1-Dichloroethane	25.0	29.2		ug/L		117	72 - 127
1,1-Dichloroethene	25.0	26.4		ug/L		106	63 - 134
Chloroethane	25.0	33.2		ug/L		133	38 - 152
cis-1,2-Dichloroethene	25.0	25.9		ug/L		104	77 - 123
Tetrachloroethene	25.0	21.2		ug/L		85	76 - 123
trans-1,2-Dichloroethene	25.0	25.8		ug/L		103	75 - 124
Trichloroethene	25.0	24.9		ug/L		100	70 - 122
Vinyl chloride	25.0	24.0		ug/L		96	60 - 144

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	106		78 - 122
Dibromofluoromethane (Surr)	102		73 - 120
4-Bromofluorobenzene (Surr)	108		56 - 136
1,2-Dichloroethane-d4 (Surr)	101		62 - 137

Lab Sample ID: 240-236097-6 MS

Matrix: Water

Analysis Batch: 678295

Client Sample ID: MW-12B-MS

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	ND		25.0	21.7		ug/L		87	60 - 130
1,1-Dichloroethane	ND		25.0	27.2		ug/L		109	68 - 125
1,1-Dichloroethene	ND		25.0	22.6		ug/L		90	56 - 135
Chloroethane	ND		25.0	29.6		ug/L		118	10 - 199
cis-1,2-Dichloroethene	42		25.0	59.7		ug/L		70	66 - 128
Tetrachloroethene	ND		25.0	16.5		ug/L		66	62 - 131

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QC Sample Results

Client: AECOM
Project/Site: BP Hyde Park

Job ID: 240-236097-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 240-236097-6 MS

Matrix: Water

Analysis Batch: 678295

Client Sample ID: MW-12B-MS

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
trans-1,2-Dichloroethene	ND		25.0	23.0		ug/L		92	56 - 136
Trichloroethene	ND		25.0	19.4		ug/L		78	61 - 124
Surrogate	MS %Recovery	MS Qualifier	Limits						
Toluene-d8 (Surr)	103		78 - 122						
Dibromofluoromethane (Surr)	102		73 - 120						
4-Bromofluorobenzene (Surr)	105		56 - 136						
1,2-Dichloroethane-d4 (Surr)	99		62 - 137						

Lab Sample ID: 240-236097-6 MSD

Matrix: Water

Analysis Batch: 678295

Client Sample ID: MW-12B-MSD

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		25.0	22.0		ug/L		88	60 - 130	1	17
1,1-Dichloroethane	ND		25.0	27.4		ug/L		110	68 - 125	1	13
1,1-Dichloroethene	ND		25.0	23.2		ug/L		93	56 - 135	3	26
Chloroethane	ND		25.0	32.3		ug/L		129	10 - 199	9	30
cis-1,2-Dichloroethene	42		25.0	61.1		ug/L		76	66 - 128	2	14
Tetrachloroethene	ND		25.0	18.0		ug/L		72	62 - 131	9	20
trans-1,2-Dichloroethene	ND		25.0	22.7		ug/L		91	56 - 136	1	15
Trichloroethene	ND		25.0	19.9		ug/L		80	61 - 124	2	15
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Toluene-d8 (Surr)	105		78 - 122								
Dibromofluoromethane (Surr)	102		73 - 120								
4-Bromofluorobenzene (Surr)	108		56 - 136								
1,2-Dichloroethane-d4 (Surr)	102		62 - 137								

Lab Sample ID: MB 240-678402/11

Matrix: Water

Analysis Batch: 678402

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			10/30/25 11:53	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			10/30/25 11:53	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			10/30/25 11:53	1
Chloroethane	ND		1.0	0.83	ug/L			10/30/25 11:53	1
cis-1,2-Dichloroethene	ND		1.0	0.46	ug/L			10/30/25 11:53	1
Tetrachloroethene	ND		1.0	0.44	ug/L			10/30/25 11:53	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			10/30/25 11:53	1
Trichloroethene	ND		1.0	0.44	ug/L			10/30/25 11:53	1
Vinyl chloride	ND		1.0	0.45	ug/L			10/30/25 11:53	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		78 - 122					10/30/25 11:53	1
Dibromofluoromethane (Surr)	108		73 - 120					10/30/25 11:53	1
4-Bromofluorobenzene (Surr)	106		56 - 136					10/30/25 11:53	1

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QC Sample Results

Client: AECOM
Project/Site: BP Hyde Park

Job ID: 240-236097-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 240-678402/11

Matrix: Water

Analysis Batch: 678402

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		62 - 137		10/30/25 11:53	1

Lab Sample ID: LCS 240-678402/6

Matrix: Water

Analysis Batch: 678402

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	26.0		ug/L		104	64 - 131
1,1-Dichloroethane	25.0	29.0		ug/L		116	72 - 127
1,1-Dichloroethene	25.0	26.5		ug/L		106	63 - 134
Chloroethane	25.0	32.9		ug/L		132	38 - 152
cis-1,2-Dichloroethene	25.0	26.4		ug/L		106	77 - 123
Tetrachloroethene	25.0	22.9		ug/L		91	76 - 123
trans-1,2-Dichloroethene	25.0	26.4		ug/L		106	75 - 124
Trichloroethene	25.0	23.6		ug/L		94	70 - 122
Vinyl chloride	25.0	23.5		ug/L		94	60 - 144

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	106		78 - 122
Dibromofluoromethane (Surr)	102		73 - 120
4-Bromofluorobenzene (Surr)	106		56 - 136
1,2-Dichloroethane-d4 (Surr)	99		62 - 137

Lab Sample ID: 240-236097-6 MS

Matrix: Water

Analysis Batch: 678402

Client Sample ID: MW-12B-MS

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Vinyl chloride	88		125	202		ug/L		92	43 - 157

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	106		78 - 122
Dibromofluoromethane (Surr)	103		73 - 120
4-Bromofluorobenzene (Surr)	108		56 - 136
1,2-Dichloroethane-d4 (Surr)	100		62 - 137

Lab Sample ID: 240-236097-6 MSD

Matrix: Water

Analysis Batch: 678402

Client Sample ID: MW-12B-MSD

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Vinyl chloride	88		125	188		ug/L		80	43 - 157	7	24

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr)	105		78 - 122
Dibromofluoromethane (Surr)	102		73 - 120
4-Bromofluorobenzene (Surr)	107		56 - 136

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QC Sample Results

Client: AECOM
Project/Site: BP Hyde Park

Job ID: 240-236097-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 240-236097-6 MSD

Matrix: Water

Analysis Batch: 678402

Client Sample ID: MW-12B-MSD

Prep Type: Total/NA

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		62 - 137

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 240-677738/31

Matrix: Water

Analysis Batch: 677738

Client Sample ID: Method Blank

Prep Type: Total/NA

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Methane	ND		1.0	0.17	ug/L			10/26/25 20:43	1	
Ethane	ND		1.0	0.29	ug/L			10/26/25 20:43	1	
Ethylene	ND		1.0	0.12	ug/L			10/26/25 20:43	1	
Propane	ND		1.0	0.38	ug/L			10/26/25 20:43	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1,1,1-Trifluoroethane	101		60 - 140					10/26/25 20:43	1	

Lab Sample ID: LCS 240-677738/32

Matrix: Water

Analysis Batch: 677738

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	Spike	LCS	LCS					%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Methane	284	259		ug/L		91	80 - 120		
Ethane	537	537		ug/L		100	80 - 120		
Ethylene	506	498		ug/L		98	80 - 120		
Propane	794	764		ug/L		96	80 - 120		
Surrogate	%Recovery	Qualifier	Limits						
1,1,1-Trifluoroethane	98		60 - 140						

Lab Sample ID: LCSD 240-677738/33

Matrix: Water

Analysis Batch: 677738

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Methane	284	260		ug/L		92	80 - 120	0	35	
Ethane	537	536		ug/L		100	80 - 120	0	35	
Ethylene	506	497		ug/L		98	80 - 120	0	35	
Propane	794	755		ug/L		95	80 - 120	1	35	
Surrogate	%Recovery	Qualifier	Limits							
1,1,1-Trifluoroethane	99		60 - 140							

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QC Sample Results

Client: AECOM
Project/Site: BP Hyde Park

Job ID: 240-236097-1

Method: RSK-175 - Dissolved Gases (GC) (Continued)

Lab Sample ID: 240-236097-6 MS

Matrix: Water

Analysis Batch: 677738

Client Sample ID: MW-12B-MS

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Methane	200		284	462		ug/L		94	50 - 150
Ethane	0.58	J	537	489		ug/L		91	50 - 150
Ethylene	6.0		506	468		ug/L		91	50 - 150
Propane	0.88	J	794	672		ug/L		84	50 - 150
Surrogate	%Recovery	MS Qualifier	MS Limits						
1,1,1-Trifluoroethane	93		60 - 140						

Lab Sample ID: 240-236097-6 MSD

Matrix: Water

Analysis Batch: 677738

Client Sample ID: MW-12B-MSD

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methane	200		284	416		ug/L		78	50 - 150	10	30
Ethane	0.58	J	537	442		ug/L		82	50 - 150	10	30
Ethylene	6.0		506	425		ug/L		83	50 - 150	10	30
Propane	0.88	J	794	608		ug/L		76	50 - 150	10	30
Surrogate	%Recovery	MSD Qualifier	MSD Limits								
1,1,1-Trifluoroethane	86		60 - 140								

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 240-677730/1-A

Matrix: Water

Analysis Batch: 678083

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 677730

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		200	83	ug/L		10/26/25 12:00	10/28/25 11:26	1

Lab Sample ID: LCS 240-677730/2-A

Matrix: Water

Analysis Batch: 678083

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 677730

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	10000	9360		ug/L		94	80 - 120

Lab Sample ID: 240-236097-6 MS

Matrix: Water

Analysis Batch: 677801

Client Sample ID: MW-12B-MS

Prep Type: Dissolved

Prep Batch: 677730

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	ND		10000	10300		ug/L		103	75 - 125

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QC Sample Results

Client: AECOM
Project/Site: BP Hyde Park

Job ID: 240-236097-1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 240-236097-6 MSD
Matrix: Water
Analysis Batch: 677801

Client Sample ID: MW-12B-MSD
Prep Type: Dissolved
Prep Batch: 677730

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron	ND		10000	10000		ug/L		100	75 - 125	2	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 240-677955/3
Matrix: Water
Analysis Batch: 677955

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.0	0.13	mg/L			10/27/25 18:32	1
Sulfate	ND		1.0	0.35	mg/L			10/27/25 18:32	1

Lab Sample ID: LCS 240-677955/4
Matrix: Water
Analysis Batch: 677955

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	48.5		mg/L		97	90 - 110
Sulfate	50.0	48.8		mg/L		98	90 - 110

Lab Sample ID: 240-236097-6 MS
Matrix: Water
Analysis Batch: 677955

Client Sample ID: MW-12B-MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	190		250	426		mg/L		95	80 - 120
Sulfate	250		250	476		mg/L		92	80 - 120

Lab Sample ID: 240-236097-6 MSD
Matrix: Water
Analysis Batch: 677955

Client Sample ID: MW-12B-MSD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	190		250	422		mg/L		93	80 - 120	1	15
Sulfate	250		250	473		mg/L		91	80 - 120	1	15

Lab Sample ID: MB 480-760887/4
Matrix: Water
Analysis Batch: 760887

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.050	0.025	mg/L			10/27/25 22:53	1
Nitrite as N	ND		0.050	0.025	mg/L			10/27/25 22:53	1

Lab Sample ID: LCS 480-760887/5
Matrix: Water
Analysis Batch: 760887

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	5.00	4.83		mg/L		97	90 - 110

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QC Sample Results

Client: AECOM
Project/Site: BP Hyde Park

Job ID: 240-236097-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 240-236097-6 MS

Matrix: Water

Analysis Batch: 760887

Client Sample ID: MW-12B-MS

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	ND	H F2	5.00	4.60	H	mg/L		92	80 - 120

Lab Sample ID: 240-236097-6 MSD

Matrix: Water

Analysis Batch: 760887

Client Sample ID: MW-12B-MSD

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	ND	H F2	5.00	5.40	H F2	mg/L		108	80 - 120	16	15

Method: 353.2 - Nitrogen, Nitrite

Lab Sample ID: MB 480-761929/26

Matrix: Water

Analysis Batch: 761929

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND		0.050	0.020	mg/L			11/06/25 15:11	1

Lab Sample ID: MB 480-761929/47

Matrix: Water

Analysis Batch: 761929

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND		0.050	0.020	mg/L			11/06/25 15:20	1

Lab Sample ID: LCS 480-761929/27

Matrix: Water

Analysis Batch: 761929

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrite as N	1.50	1.46		mg/L		97	90 - 110

Lab Sample ID: LCS 480-761929/48

Matrix: Water

Analysis Batch: 761929

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrite as N	1.50	1.44		mg/L		96	90 - 110

Lab Sample ID: 240-236097-6 MS

Matrix: Water

Analysis Batch: 761929

Client Sample ID: MW-12B-MS

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrite as N	ND	H F1	0.998	0.885	H F1	mg/L		89	90 - 110

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QC Sample Results

Client: AECOM
Project/Site: BP Hyde Park

Job ID: 240-236097-1

Method: 353.2 - Nitrogen, Nitrite (Continued)

Lab Sample ID: 240-236097-6 MSD
Matrix: Water
Analysis Batch: 761929

Client Sample ID: MW-12B-MSD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrite as N	ND	H F1	0.998	0.898	H	mg/L		90	90 - 110	1	20

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 480-761603/28
Matrix: Water
Analysis Batch: 761603

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.050	0.020	mg/L			11/01/25 18:50	1

Lab Sample ID: MB 480-761603/7
Matrix: Water
Analysis Batch: 761603

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.050	0.020	mg/L			11/01/25 18:09	1

Lab Sample ID: LCS 480-761603/29
Matrix: Water
Analysis Batch: 761603

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	1.50	1.58		mg/L		105	90 - 110

Lab Sample ID: LCS 480-761603/8
Matrix: Water
Analysis Batch: 761603

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	1.50	1.54		mg/L		103	90 - 110

Lab Sample ID: 240-236097-6 MS
Matrix: Water
Analysis Batch: 761603

Client Sample ID: MW-12B-MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	ND	F1	0.998	1.10	F1	mg/L		111	90 - 110

Lab Sample ID: 240-236097-6 MSD
Matrix: Water
Analysis Batch: 761603

Client Sample ID: MW-12B-MSD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate Nitrite as N	ND	F1	0.998	1.11	F1	mg/L		111	90 - 110	0	20

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QC Sample Results

Client: AECOM
Project/Site: BP Hyde Park

Job ID: 240-236097-1

Method: 410.4 - COD

Lab Sample ID: MB 240-677869/9

Matrix: Water

Analysis Batch: 677869

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10	1.8	mg/L			10/27/25 11:20	1

Lab Sample ID: LCS 240-677869/10

Matrix: Water

Analysis Batch: 677869

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	44.6	42.9		mg/L		96	90 - 110

Lab Sample ID: 240-236097-6 MS

Matrix: Water

Analysis Batch: 677869

Client Sample ID: MW-12B-MS

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	11		50.0	58.6		mg/L		95	90 - 110

Lab Sample ID: 240-236097-6 MSD

Matrix: Water

Analysis Batch: 677869

Client Sample ID: MW-12B-MSD

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD Limit
Chemical Oxygen Demand	11		50.0	57.3		mg/L		92	90 - 110	2 20

Method: 4500 S2 F-2000 - Sulfide, Total

Lab Sample ID: MB 240-678059/1

Matrix: Water

Analysis Batch: 678059

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND		1.0	0.27	mg/L			10/28/25 10:41	1

Lab Sample ID: LCS 240-678059/2

Matrix: Water

Analysis Batch: 678059

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	17.3	17.5		mg/L		101	90 - 110

Lab Sample ID: 240-236097-6 MS

Matrix: Water

Analysis Batch: 678059

Client Sample ID: MW-12B-MS

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	1.9	J	34.7	35.5		mg/L		97	74 - 120

Eurofins Cleveland

QC Sample Results

Client: AECOM
Project/Site: BP Hyde Park

Job ID: 240-236097-1

Method: 4500 S2 F-2000 - Sulfide, Total (Continued)

Lab Sample ID: 240-236097-6 MSD
Matrix: Water
Analysis Batch: 678059

Client Sample ID: MW-12B-MSD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	1.9	J	34.7	35.9		mg/L		98	74 - 120	1	25

Method: 5310C-2000 - Total Organic Carbon/Persulfate - Ultrav

Lab Sample ID: MB 240-678537/5
Matrix: Water
Analysis Batch: 678537

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.44	mg/L			10/29/25 21:00	1

Lab Sample ID: LCS 240-678537/6
Matrix: Water
Analysis Batch: 678537

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	28.4	26.5		mg/L		93	85 - 115

Lab Sample ID: 240-236097-6 MS
Matrix: Water
Analysis Batch: 678537

Client Sample ID: MW-12B-MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	2.7		10.0	12.7		mg/L		100	76 - 124

Lab Sample ID: 240-236097-6 MSD
Matrix: Water
Analysis Batch: 678537

Client Sample ID: MW-12B-MSD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon	2.7		10.0	13.1		mg/L		104	76 - 124	3	10

Lab Sample ID: MB 240-678575/38
Matrix: Water
Analysis Batch: 678575

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.44	mg/L			10/30/25 09:47	1

Lab Sample ID: MB 240-678575/5
Matrix: Water
Analysis Batch: 678575

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.44	mg/L			10/29/25 20:29	1

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QC Sample Results

Client: AECOM
Project/Site: BP Hyde Park

Job ID: 240-236097-1

Method: 5310C-2000 - Total Organic Carbon/Persulfate - Ultrav (Continued)

Lab Sample ID: LCS 240-678575/21
Matrix: Water
Analysis Batch: 678575

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	28.4	26.4		mg/L		93	85 - 115

Lab Sample ID: LCS 240-678575/39
Matrix: Water
Analysis Batch: 678575

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	28.4	26.1		mg/L		92	85 - 115

Method: SM 5210B - BOD, 5-Day

Lab Sample ID: USB 480-761559/1
Matrix: Water
Analysis Batch: 761559

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	ND		2.0	2.0	mg/L			11/03/25 18:02	1

Lab Sample ID: LCS 480-761559/2
Matrix: Water
Analysis Batch: 761559

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Biochemical Oxygen Demand	197	194		mg/L		98	85 - 115

Laboratory Management Program LaMP Chain of Custody Record

Page 1 of 1

BP/ARC Project Name: BP IPO
BP/ARC Facility No: BP Hyde Park

Req Due Date (mm/dd/yy):
Lab Work Order Number:

Rush TAT: Yes No X

Lab Name: Eurofins (Cleveland, OH)				BP/ARC Facility Address: 3425 Hyde Park Blvd				Consultant/Contractor: AECOM			
Lab Address: 180 S Van Buren Ave, Barberton, OH 44203				City, State, ZIP Code: Niagara, NY 14305				Consultant/Contractor Project No: 60481767.105.24.01H			
Lab PM: Lab Contact: Opal Johnson				Lead Regulatory Agency: NYSDEC				Address: 50 Lakefront Blvd Ste 111, Buffalo, NY 14202			
Lab Phone: 330-497-9396 / 330-497-0772 (fax)				California Global ID No.:				Consultant/Contractor PM: James Kaczor			
Lab Shipping Acct:				Enfos Proposal No:				Phone: 716-923-1300			
Lab Bottle Order No:				Accounting Mode: Provision OOC-BU OOC-RM				Email EDD To: James.Kaczor@aecom.com			
Other Info: PO # 1643548				Stage: Activity:				Invoice To: BP/ARC Contractor X			

BP/ARC EBM:				Matrix		No. Containers / Preservative						Requested Analyses										Report Type & QC Level					
EBM Phone:				Soil / Solid	Water / Liquid	Air / Vapor	Total Number of Containers	Unpreserved	HNO3	HCl	NaOH/Zn-acetate	H2SO4	8260C - VOCs	SM-4500 - S2_F - Sulfide	410.4 - COD	RSK 175 - Dissolved Gases	5310 C - TOC	5210-BOD (TA-Buffalo)	300, 353.2, nitrate-nitrite	300.0 - 28D chloride, sulfate (TA - Buffalo)	6010C - Dissolved Iron (field filtered)	1633 - PFC_IDA-PFAS	8270D - SIM 1,4-Dioxane	Standard			
EBM Email:																								Full Data Package			
Lab No.	Sample Description	Date	Time																					Comments			
	MW-7B	10/23/25	0900	X			15	3	1	6	1	4	3	1	1	3	3	1	2	1							
	MW-16A	10/23/25	0905	X			15	3	1	6	1	4	3	1	1	3	3	1	2	1							
	MW-7A	10/23/25	1010	X			15	3	1	6	1	4	3	1	1	3	3	1	2	1							
	MW-16B	10/23/25	1058	X			15	3	1	6	1	4	3	1	1	3	3	1	2	1							
	MW-17A	10/23/25	1155	X			15	3	1	6	1	4	3	1	1	3	3	1	2	1							
	MW-18A	10/23/25	1230	X			15	3	1	6	1	4	3	1	1	3	3	1	2	1							
	MW-18B	10/23/25	1405	X			15	3	1	6	1	4	3	1	1	3	3	1	2	1							
	MW-17B	10/23/25	1410	X			15	3	1	6	1	4	3	1	1	3	3	1	2	1							
	TB-10232025	10/23/25	-	X			2			2			2														



240-236134 COC

Sampler's Name: Tom Urban		Relinquished By / Affiliation		Date	Time	Accepted By / Affiliation		Date	Time
Sampler's Company: AECOM		Tom Urban / AECOM		10/23/25	1555	VS		10-23	1555
Shipment Method: Dropoff at Eurofins Buffalo, NY		Ship Date:		10/24/25	1600				
Shipment Tracking No:						Temp 7.6 8.4 IRTHSC		ICE	

Special Instructions: PO #97842 Line 17: Eurofins Buffalo to ship to Eurofins Cleveland except short hold bottles 5210-BOD, 300, 353.2, 300.0_28D :

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No Temp Blank: Yes / No Cooler Temp on Receipt: °F/C Trip Blank: Yes / No MS/MSD Sample Submitted: Yes / No

BP/ARC LaMP COC Rev. 6 01/01/2009

Case Narrative

Client: AECOM
Project: BP Hyde Park

Job ID: 240-236134-1

Job ID: 240-236134-1

Eurofins Cleveland

Job Narrative 240-236134-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 10/25/2025 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.0°C and 1.8°C.

GC/MS VOA

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 240-678426 was outside the method criteria for the following analyte(s): Chloroethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC VOA

Method RSK_175: A MS/MSD was ran with this batch, however it is not reportable due to contamination.

MW-7B (240-236134-1), MW-16A (240-236134-2), MW-7A (240-236134-3), MW-16B (240-236134-4), MW-17A (240-236134-5), MW-18A (240-236134-6), MW-18B (240-236134-7) and MW-17B (240-236134-8)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

Method 300: The following sample(s) was received with less than 2 days remaining on the holding time or less than one shift (8 hours) remaining on a test with a holding time of 48 hours or less. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: MW-7A (240-236134-3), MW-16B (240-236134-4), MW-17A (240-236134-5), MW-18A (240-236134-6), MW-18B (240-236134-7) and MW-17B (240-236134-8).

Method 5210B: The following sample(s) was received with less than 2 days remaining on the holding time or less than one shift (8 hours) remaining on a test with a holding time of 48 hours or less. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: MW-7A (240-236134-3), MW-16B (240-236134-4), MW-17A (240-236134-5) and MW-18A (240-236134-6).

Method 5210B: All the dilutions failed to deplete the method-required 2 mgO₂/L for the following samples: MW-7B (240-236134-1). Only a "less than" result could be calculated from the least dilute preparation.

Method 5210B: The reported results for sample MW-7B (240-236134-1) are estimated due to the presence of matrix interference as was evident from the following observations: Initial DO was below the required range set by the method in the undiluted volume.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Cleveland

Client Sample Results

Client: AECOM
Project/Site: BP Hyde Park

Job ID: 240-236134-1

Client Sample ID: MW-7B

Lab Sample ID: 240-236134-1

Date Collected: 10/23/25 09:00

Matrix: Water

Date Received: 10/25/25 09:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			10/30/25 18:01	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			10/30/25 18:01	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			10/30/25 18:01	1
Chloroethane	ND		1.0	0.83	ug/L			10/31/25 18:02	1
cis-1,2-Dichloroethene	2.2		1.0	0.46	ug/L			10/30/25 18:01	1
Tetrachloroethene	ND		1.0	0.44	ug/L			10/30/25 18:01	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			10/30/25 18:01	1
Trichloroethene	ND		1.0	0.44	ug/L			10/30/25 18:01	1
Vinyl chloride	15		1.0	0.45	ug/L			10/30/25 18:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		78 - 122		10/30/25 18:01	1
Toluene-d8 (Surr)	105		78 - 122		10/31/25 18:02	1
Dibromofluoromethane (Surr)	115		73 - 120		10/30/25 18:01	1
Dibromofluoromethane (Surr)	95		73 - 120		10/31/25 18:02	1
4-Bromofluorobenzene (Surr)	97		56 - 136		10/30/25 18:01	1
4-Bromofluorobenzene (Surr)	98		56 - 136		10/31/25 18:02	1
1,2-Dichloroethane-d4 (Surr)	119		62 - 137		10/30/25 18:01	1
1,2-Dichloroethane-d4 (Surr)	91		62 - 137		10/31/25 18:02	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	180		1.0	0.17	ug/L			10/27/25 14:34	1
Ethane	ND		1.0	0.29	ug/L			10/27/25 14:34	1
Ethylene	2.6		1.0	0.12	ug/L			10/27/25 14:34	1
Propane	ND		1.0	0.38	ug/L			10/27/25 14:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,1,1-Trifluoroethane	96		60 - 140		10/27/25 14:34	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		200	83	ug/L		10/27/25 14:00	10/29/25 15:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	280		5.0	0.64	mg/L			10/25/25 15:13	5
Nitrite as N (EPA 300.0)	ND	H H3	0.10	0.014	mg/L			10/25/25 15:04	1
Nitrate as N (EPA 300.0)	ND	H H3	0.10	0.015	mg/L			10/25/25 15:04	1
Sulfate (EPA 300.0)	170		1.0	0.35	mg/L			10/25/25 15:04	1
Nitrate Nitrite as N (MCAWW 353.2-1993 R2.0)	ND		0.10	0.040	mg/L			10/29/25 16:49	1
Chemical Oxygen Demand (EPA 410.4)	13		10	1.8	mg/L			10/27/25 11:20	1
Sulfide (SM 4500 S2 F-2000)	1.7		1.0	0.27	mg/L			10/29/25 11:49	1
Biochemical Oxygen Demand (SM 5210B-2001)	<6.0	H H3	6.0	6.0	mg/L			10/25/25 12:54	1
Total Organic Carbon (SM 5310C-2000)	3.1		1.0	0.44	mg/L			10/30/25 00:00	1

Manasa M B
3/27/2026

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Client Sample Results

Client: AECOM
Project/Site: BP Hyde Park

Job ID: 240-236134-1

Client Sample ID: MW-16A

Lab Sample ID: 240-236134-2

Date Collected: 10/23/25 09:05

Matrix: Water

Date Received: 10/25/25 09:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			10/30/25 18:25	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			10/30/25 18:25	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			10/30/25 18:25	1
Chloroethane	ND		1.0	0.83	ug/L			10/30/25 18:25	1
cis-1,2-Dichloroethene	0.57	J	1.0	0.46	ug/L			10/30/25 18:25	1
Tetrachloroethene	ND		1.0	0.44	ug/L			10/30/25 18:25	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			10/30/25 18:25	1
Trichloroethene	ND		1.0	0.44	ug/L			10/30/25 18:25	1
Vinyl chloride	35		1.0	0.45	ug/L			10/30/25 18:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		78 - 122		10/30/25 18:25	1
Dibromofluoromethane (Surr)	112		73 - 120		10/30/25 18:25	1
4-Bromofluorobenzene (Surr)	97		56 - 136		10/30/25 18:25	1
1,2-Dichloroethane-d4 (Surr)	120		62 - 137		10/30/25 18:25	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	140		1.0	0.17	ug/L			10/27/25 14:51	1
Ethane	0.70	J	1.0	0.29	ug/L			10/27/25 14:51	1
Ethylene	34		1.0	0.12	ug/L			10/27/25 14:51	1
Propane	ND		1.0	0.38	ug/L			10/27/25 14:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1, 1, 1-Trifluoroethane	95		60 - 140		10/27/25 14:51	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	660		200	83	ug/L		10/27/25 14:00	10/29/25 16:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	31		1.0	0.13	mg/L			10/25/25 13:23	1
Nitrite as N (EPA 300.0)	0.087	J H H3	0.10	0.014	mg/L			10/25/25 13:23	1
Nitrate as N (EPA 300.0)	UJ	ND H H3 F1	0.10	0.015	mg/L			10/25/25 13:23	1
Sulfate (EPA 300.0)	100		1.0	0.35	mg/L			10/25/25 13:23	1
Nitrate Nitrite as N (MCAWW 353.2-1993 R2.0)	0.29	J	0.10	0.040	mg/L			10/29/25 16:51	1
Chemical Oxygen Demand (EPA 410.4)	49		10	1.8	mg/L			10/27/25 11:20	1
Sulfide (SM 4500 S2 F-2000)	ND		1.0	0.27	mg/L			10/29/25 11:50	1
Biochemical Oxygen Demand (SM 5210B-2001)	3.2	H H3	2.0	2.0	mg/L			10/25/25 12:59	1
Total Organic Carbon (SM 5310C-2000)	16		1.0	0.44	mg/L			10/30/25 01:13	1

Manasa M B
3/27/2026

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Client Sample Results

Client: AECOM
Project/Site: BP Hyde Park

Job ID: 240-236134-1

Client Sample ID: MW-7A

Lab Sample ID: 240-236134-3

Date Collected: 10/23/25 10:10

Matrix: Water

Date Received: 10/25/25 09:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	1.9	ug/L			10/31/25 18:25	4
1,1-Dichloroethane	26		4.0	1.9	ug/L			10/31/25 18:25	4
1,1-Dichloroethene	ND		4.0	2.0	ug/L			10/31/25 18:25	4
Chloroethane	ND		4.0	3.3	ug/L			10/31/25 18:25	4
cis-1,2-Dichloroethene	160		4.0	1.8	ug/L			10/31/25 18:25	4
Tetrachloroethene	ND		4.0	1.8	ug/L			10/31/25 18:25	4
trans-1,2-Dichloroethene	ND		4.0	2.0	ug/L			10/31/25 18:25	4
Trichloroethene	ND		4.0	1.8	ug/L			10/31/25 18:25	4
Vinyl chloride	160		4.0	1.8	ug/L			10/31/25 18:25	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	105		78 - 122		10/31/25 18:25	4
Dibromofluoromethane (Surr)	94		73 - 120		10/31/25 18:25	4
4-Bromofluorobenzene (Surr)	100		56 - 136		10/31/25 18:25	4
1,2-Dichloroethane-d4 (Surr)	91		62 - 137		10/31/25 18:25	4

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	4000		1.0	0.17	ug/L			10/27/25 15:08	1
Ethane	19		1.0	0.29	ug/L			10/27/25 15:08	1
Ethylene	48		1.0	0.12	ug/L			10/27/25 15:08	1
Propane	ND		1.0	0.38	ug/L			10/27/25 15:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1, 1, 1-Trifluoroethane	93		60 - 140		10/27/25 15:08	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	2700		200	83	ug/L		10/27/25 14:00	10/29/25 16:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	15		1.0	0.13	mg/L			10/25/25 15:22	1
Nitrite as N (EPA 300.0)	ND	H	0.10	0.014	mg/L			10/25/25 15:22	1
Nitrate as N (EPA 300.0)	ND	H	0.10	0.015	mg/L			10/25/25 15:22	1
Sulfate (EPA 300.0)	220		5.0	1.7	mg/L			10/25/25 15:31	5
Nitrate Nitrite as N (MCAWW 353.2-1993 R2.0)	ND		0.10	0.040	mg/L			10/29/25 16:53	1
Chemical Oxygen Demand (EPA 410.4)	16		10	1.8	mg/L			10/27/25 11:20	1
Sulfide (SM 4500 S2 F-2000)	ND		1.0	0.27	mg/L			10/29/25 11:52	1
Biochemical Oxygen Demand (SM 5210B-2001)	4.1	H	2.0	2.0	mg/L			10/25/25 13:17	1
Total Organic Carbon (SM 5310C-2000)	4.2		1.0	0.44	mg/L			10/30/25 01:36	1

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Client Sample Results

Client: AECOM
Project/Site: BP Hyde Park

Job ID: 240-236134-1

Client Sample ID: MW-16B

Lab Sample ID: 240-236134-4

Date Collected: 10/23/25 10:58

Matrix: Water

Date Received: 10/25/25 09:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			10/30/25 19:12	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			10/30/25 19:12	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			10/30/25 19:12	1
Chloroethane	ND		1.0	0.83	ug/L			10/31/25 18:48	1
cis-1,2-Dichloroethene	2.5		1.0	0.46	ug/L			10/30/25 19:12	1
Tetrachloroethene	ND		1.0	0.44	ug/L			10/30/25 19:12	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			10/30/25 19:12	1
Trichloroethene	ND		1.0	0.44	ug/L			10/30/25 19:12	1
Vinyl chloride	5.6		1.0	0.45	ug/L			10/31/25 18:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		78 - 122		10/30/25 19:12	1
Toluene-d8 (Surr)	106		78 - 122		10/31/25 18:48	1
Dibromofluoromethane (Surr)	113		73 - 120		10/30/25 19:12	1
Dibromofluoromethane (Surr)	94		73 - 120		10/31/25 18:48	1
4-Bromofluorobenzene (Surr)	97		56 - 136		10/30/25 19:12	1
4-Bromofluorobenzene (Surr)	99		56 - 136		10/31/25 18:48	1
1,2-Dichloroethane-d4 (Surr)	121		62 - 137		10/30/25 19:12	1
1,2-Dichloroethane-d4 (Surr)	93		62 - 137		10/31/25 18:48	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	7700		10	1.7	ug/L			10/28/25 15:27	10
Ethane	2.4		1.0	0.29	ug/L			10/27/25 15:25	1
Ethylene	3.3		1.0	0.12	ug/L			10/27/25 15:25	1
Propane	ND		1.0	0.38	ug/L			10/27/25 15:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,1,1-Trifluoroethane	95		60 - 140		10/27/25 15:25	1
1,1,1-Trifluoroethane	98		60 - 140		10/28/25 15:27	10

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	120	J	200	83	ug/L		10/27/25 14:00	10/29/25 16:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	120		1.0	0.13	mg/L			10/25/25 15:41	1
Nitrite as N (EPA 300.0)	ND	H	0.10	0.014	mg/L			10/25/25 15:41	1
Nitrate as N (EPA 300.0)	ND	H	0.10	0.015	mg/L			10/25/25 15:41	1
Sulfate (EPA 300.0)	130		1.0	0.35	mg/L			10/25/25 15:41	1
Nitrate Nitrite as N (MCAWW 353.2-1993 R2.0)	ND		0.10	0.040	mg/L			10/29/25 16:55	1
Chemical Oxygen Demand (EPA 410.4)	51		10	1.8	mg/L			10/27/25 11:20	1
Sulfide (SM 4500 S2 F-2000)	4.3		1.0	0.27	mg/L			10/29/25 11:53	1
Biochemical Oxygen Demand (SM 5210B-2001)	7.8	H	2.0	2.0	mg/L			10/25/25 13:24	1
Total Organic Carbon (SM 5310C-2000)	15		1.0	0.44	mg/L			10/30/25 01:59	1

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Client Sample Results

Client: AECOM
Project/Site: BP Hyde Park

Job ID: 240-236134-1

Client Sample ID: MW-17A

Lab Sample ID: 240-236134-5

Date Collected: 10/23/25 11:55

Matrix: Water

Date Received: 10/25/25 09:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	0.96	ug/L			10/31/25 19:12	2
1,1-Dichloroethane	9.7		2.0	0.94	ug/L			10/31/25 19:12	2
1,1-Dichloroethene	ND		2.0	0.98	ug/L			10/31/25 19:12	2
Chloroethane	ND		2.0	1.7	ug/L			10/31/25 19:12	2
cis-1,2-Dichloroethene	21		2.0	0.92	ug/L			10/31/25 19:12	2
Tetrachloroethene	ND		2.0	0.88	ug/L			10/31/25 19:12	2
trans-1,2-Dichloroethene	ND		2.0	1.0	ug/L			10/31/25 19:12	2
Trichloroethene	ND		2.0	0.88	ug/L			10/31/25 19:12	2
Vinyl chloride	68		2.0	0.90	ug/L			10/31/25 19:12	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	106		78 - 122		10/31/25 19:12	2
Dibromofluoromethane (Surr)	94		73 - 120		10/31/25 19:12	2
4-Bromofluorobenzene (Surr)	98		56 - 136		10/31/25 19:12	2
1,2-Dichloroethane-d4 (Surr)	92		62 - 137		10/31/25 19:12	2

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	8700		10	1.7	ug/L			10/28/25 15:44	10
Ethane	6.9		1.0	0.29	ug/L			10/27/25 15:42	1
Ethylene	18		1.0	0.12	ug/L			10/27/25 15:42	1
Propane	ND		1.0	0.38	ug/L			10/27/25 15:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1, 1, 1-Trifluoroethane	93		60 - 140		10/27/25 15:42	1
1, 1, 1-Trifluoroethane	99		60 - 140		10/28/25 15:44	10

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	460		200	83	ug/L		10/27/25 14:00	10/29/25 16:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	16		1.0	0.13	mg/L			10/25/25 15:59	1
Nitrite as N (EPA 300.0)	ND	H → UJ	0.10	0.014	mg/L			10/25/25 15:59	1
Nitrate as N (EPA 300.0)	ND	H →	0.10	0.015	mg/L			10/25/25 15:59	1
Sulfate (EPA 300.0)	43		1.0	0.35	mg/L			10/25/25 15:59	1
Nitrate Nitrite as N (MCAWW 353.2-1993 R2.0)	ND		0.10	0.040	mg/L			10/29/25 17:01	1
Chemical Oxygen Demand (EPA 410.4)	2.6 J		10	1.8	mg/L			10/27/25 11:20	1
Sulfide (SM 4500 S2 F-2000)	ND		1.0	0.27	mg/L			10/29/25 11:55	1
Biochemical Oxygen Demand (SM 5210B-2001)	9.0 H J		2.0	2.0	mg/L			10/25/25 12:20	1
Total Organic Carbon (SM 5310C-2000)	2.3		1.0	0.44	mg/L			10/30/25 02:22	1

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Client Sample Results

Client: AECOM
Project/Site: BP Hyde Park

Job ID: 240-236134-1

Client Sample ID: MW-18A

Lab Sample ID: 240-236134-6

Date Collected: 10/23/25 12:30

Matrix: Water

Date Received: 10/25/25 09:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			10/30/25 19:59	1
1,1-Dichloroethane	4.5		1.0	0.47	ug/L			10/30/25 19:59	1
1,1-Dichloroethene	1.3		1.0	0.49	ug/L			10/30/25 19:59	1
Chloroethane	ND		1.0	0.83	ug/L			10/31/25 19:35	1
cis-1,2-Dichloroethene	50		1.0	0.46	ug/L			10/30/25 19:59	1
Tetrachloroethene	ND		1.0	0.44	ug/L			10/30/25 19:59	1
trans-1,2-Dichloroethene	1.1		1.0	0.51	ug/L			10/30/25 19:59	1
Trichloroethene	42		1.0	0.44	ug/L			10/30/25 19:59	1
Vinyl chloride	7.4		1.0	0.45	ug/L			10/31/25 19:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		78 - 122		10/30/25 19:59	1
Toluene-d8 (Surr)	106		78 - 122		10/31/25 19:35	1
Dibromofluoromethane (Surr)	113		73 - 120		10/30/25 19:59	1
Dibromofluoromethane (Surr)	94		73 - 120		10/31/25 19:35	1
4-Bromofluorobenzene (Surr)	93		56 - 136		10/30/25 19:59	1
4-Bromofluorobenzene (Surr)	97		56 - 136		10/31/25 19:35	1
1,2-Dichloroethane-d4 (Surr)	123		62 - 137		10/30/25 19:59	1
1,2-Dichloroethane-d4 (Surr)	92		62 - 137		10/31/25 19:35	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	1800		1.0	0.17	ug/L			10/27/25 15:59	1
Ethane	0.90	J	1.0	0.29	ug/L			10/27/25 15:59	1
Ethylene	0.64	J	1.0	0.12	ug/L			10/27/25 15:59	1
Propane	ND		1.0	0.38	ug/L			10/27/25 15:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1, 1, 1-Trifluoroethane	94		60 - 140		10/27/25 15:59	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	2500		200	83	ug/L		10/27/25 14:00	10/29/25 16:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	26		1.0	0.13	mg/L			10/25/25 13:50	1
Nitrite as N (EPA 300.0)	ND	H	0.10	0.014	mg/L			10/25/25 13:50	1
Nitrate as N (EPA 300.0)	ND	H	0.10	0.015	mg/L			10/25/25 13:50	1
Sulfate (EPA 300.0)	110		1.0	0.35	mg/L			10/25/25 13:50	1
Nitrate Nitrite as N (MCAWW 353.2-1993 R2.0)	ND		0.10	0.040	mg/L			10/29/25 17:03	1
Chemical Oxygen Demand (EPA 410.4)	4.6	J	10	1.8	mg/L			10/27/25 11:20	1
Sulfide (SM 4500 S2 F-2000)	ND		1.0	0.27	mg/L			10/29/25 11:56	1
Biochemical Oxygen Demand (SM 5210B-2001)	ND	H	2.0	2.0	mg/L			10/25/25 12:33	1
Total Organic Carbon (SM 5310C-2000)	1.2		1.0	0.44	mg/L			10/30/25 02:46	1

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Client Sample Results

Client: AECOM
Project/Site: BP Hyde Park

Job ID: 240-236134-1

Client Sample ID: MW-18B

Lab Sample ID: 240-236134-7

Date Collected: 10/23/25 14:05

Matrix: Water

Date Received: 10/25/25 09:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			10/30/25 20:22	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			10/30/25 20:22	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			10/30/25 20:22	1
Chloroethane	ND		1.0	0.83	ug/L			10/31/25 19:58	1
cis-1,2-Dichloroethene	25		1.0	0.46	ug/L			10/30/25 20:22	1
Tetrachloroethene	ND		1.0	0.44	ug/L			10/30/25 20:22	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			10/30/25 20:22	1
Trichloroethene	ND		1.0	0.44	ug/L			10/30/25 20:22	1
Vinyl chloride	23		1.0	0.45	ug/L			10/30/25 20:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		78 - 122		10/30/25 20:22	1
Toluene-d8 (Surr)	104		78 - 122		10/31/25 19:58	1
Dibromofluoromethane (Surr)	115		73 - 120		10/30/25 20:22	1
Dibromofluoromethane (Surr)	94		73 - 120		10/31/25 19:58	1
4-Bromofluorobenzene (Surr)	98		56 - 136		10/30/25 20:22	1
4-Bromofluorobenzene (Surr)	96		56 - 136		10/31/25 19:58	1
1,2-Dichloroethane-d4 (Surr)	123		62 - 137		10/30/25 20:22	1
1,2-Dichloroethane-d4 (Surr)	91		62 - 137		10/31/25 19:58	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	25000		20	3.5	ug/L			10/28/25 16:01	20
Ethane	1.6		1.0	0.29	ug/L			10/27/25 16:33	1
Ethylene	0.96	J	1.0	0.12	ug/L			10/27/25 16:33	1
Propane	ND		1.0	0.38	ug/L			10/27/25 16:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,1,1-Trifluoroethane	92		60 - 140		10/27/25 16:33	1
1,1,1-Trifluoroethane	98		60 - 140		10/28/25 16:01	20

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	140	J	200	83	ug/L		10/27/25 14:00	10/29/25 16:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	130		1.0	0.13	mg/L			10/25/25 14:09	1
Nitrite as N (EPA 300.0)	ND	H	0.10	0.014	mg/L			10/25/25 14:09	1
Nitrate as N (EPA 300.0)	ND	H	0.10	0.015	mg/L			10/25/25 14:09	1
Sulfate (EPA 300.0)	140		1.0	0.35	mg/L			10/25/25 14:09	1
Nitrate Nitrite as N (MCAWW 353.2-1993 R2.0)	ND		0.10	0.040	mg/L			10/29/25 17:04	1
Chemical Oxygen Demand (EPA 410.4)	55		10	1.8	mg/L			10/27/25 11:20	1
Sulfide (SM 4500 S2 F-2000)	22		1.0	0.27	mg/L			10/29/25 11:58	1
Biochemical Oxygen Demand (SM 5210B-2001)	31		2.0	2.0	mg/L			10/25/25 12:39	1
Total Organic Carbon (SM 5310C-2000)	4.7		1.0	0.44	mg/L			10/30/25 05:51	1

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Client Sample Results

Client: AECOM
Project/Site: BP Hyde Park

Job ID: 240-236134-1

Client Sample ID: MW-17B

Lab Sample ID: 240-236134-8

Date Collected: 10/23/25 14:10

Matrix: Water

Date Received: 10/25/25 09:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			10/30/25 20:46	1
1,1-Dichloroethane	6.8		1.0	0.47	ug/L			10/30/25 20:46	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			10/30/25 20:46	1
Chloroethane	3.7		1.0	0.83	ug/L			10/31/25 20:22	1
cis-1,2-Dichloroethene	ND		1.0	0.46	ug/L			10/30/25 20:46	1
Tetrachloroethene	ND		1.0	0.44	ug/L			10/30/25 20:46	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			10/30/25 20:46	1
Trichloroethene	ND		1.0	0.44	ug/L			10/30/25 20:46	1
Vinyl chloride	0.98 J		1.0	0.45	ug/L			10/30/25 20:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		78 - 122		10/30/25 20:46	1
Toluene-d8 (Surr)	105		78 - 122		10/31/25 20:22	1
Dibromofluoromethane (Surr)	114		73 - 120		10/30/25 20:46	1
Dibromofluoromethane (Surr)	94		73 - 120		10/31/25 20:22	1
4-Bromofluorobenzene (Surr)	93		56 - 136		10/30/25 20:46	1
4-Bromofluorobenzene (Surr)	99		56 - 136		10/31/25 20:22	1
1,2-Dichloroethane-d4 (Surr)	119		62 - 137		10/30/25 20:46	1
1,2-Dichloroethane-d4 (Surr)	91		62 - 137		10/31/25 20:22	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	20000		20	3.5	ug/L			10/28/25 16:18	20
Ethane	21		1.0	0.29	ug/L			10/27/25 16:50	1
Ethylene	0.47 J		1.0	0.12	ug/L			10/27/25 16:50	1
Propane	ND		1.0	0.38	ug/L			10/27/25 16:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,1,1-Trifluoroethane	84		60 - 140		10/27/25 16:50	1
1,1,1-Trifluoroethane	98		60 - 140		10/28/25 16:18	20

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		200	83	ug/L		10/27/25 14:00	10/29/25 16:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	130		1.0	0.13	mg/L			10/25/25 14:27	1
Nitrite as N (EPA 300.0)	ND	H	0.10	0.014	mg/L			10/25/25 14:27	1
Nitrate as N (EPA 300.0)	ND	H	0.10	0.015	mg/L			10/25/25 14:27	1
Sulfate (EPA 300.0)	80		1.0	0.35	mg/L			10/25/25 14:27	1
Nitrate Nitrite as N (MCAWW 353.2-1993 R2.0)	ND		0.10	0.040	mg/L			10/29/25 17:06	1
Chemical Oxygen Demand (EPA 410.4)	32		10	1.8	mg/L			10/27/25 11:20	1
Sulfide (SM 4500 S2 F-2000)	9.9		1.0	0.27	mg/L			10/29/25 11:59	1
Biochemical Oxygen Demand (SM 5210B-2001)	20		2.0	2.0	mg/L			10/25/25 12:47	1
Total Organic Carbon (SM 5310C-2000)	3.9		1.0	0.44	mg/L			10/30/25 06:14	1

Manasa M B
3/27/2026

Eurofins Cleveland

Client Sample Results

Client: AECOM
Project/Site: BP Hyde Park

Job ID: 240-236134-1

Client Sample ID: TB-10232025

Lab Sample ID: 240-236134-9

Date Collected: 10/23/25 00:00

Matrix: Water

Date Received: 10/25/25 09:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			10/30/25 17:38	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			10/30/25 17:38	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			10/30/25 17:38	1
Chloroethane	ND		1.0	0.83	ug/L			10/30/25 17:38	1
cis-1,2-Dichloroethene	ND		1.0	0.46	ug/L			10/30/25 17:38	1
Tetrachloroethene	ND		1.0	0.44	ug/L			10/30/25 17:38	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			10/30/25 17:38	1
Trichloroethene	ND		1.0	0.44	ug/L			10/30/25 17:38	1
Vinyl chloride	ND		1.0	0.45	ug/L			10/30/25 17:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		78 - 122		10/30/25 17:38	1
Dibromofluoromethane (Surr)	109		73 - 120		10/30/25 17:38	1
4-Bromofluorobenzene (Surr)	94		56 - 136		10/30/25 17:38	1
1,2-Dichloroethane-d4 (Surr)	118		62 - 137		10/30/25 17:38	1

Manasa M B
3/27/2026

Eurofins Cleveland

QC Sample Results

Client: AECOM
Project/Site: BP Hyde Park

Job ID: 240-236134-1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 240-677856/2-A
Matrix: Water
Analysis Batch: 678398

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 677856

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	10000	9620		ug/L		96	80 - 120

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 240-677716/3
Matrix: Water
Analysis Batch: 677716

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.0	0.13	mg/L			10/25/25 13:05	1
Sulfate	ND		1.0	0.35	mg/L			10/25/25 13:05	1

Lab Sample ID: LCS 240-677716/4
Matrix: Water
Analysis Batch: 677716

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	48.2		mg/L		96	90 - 110
Sulfate	50.0	48.5		mg/L		97	90 - 110

Lab Sample ID: 240-236134-2 MS
Matrix: Water
Analysis Batch: 677716

Client Sample ID: MW-16A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	31		50.0	79.0		mg/L		96	80 - 120
Sulfate	100		50.0	149		mg/L		96	80 - 120

Lab Sample ID: 240-236134-2 MSD
Matrix: Water
Analysis Batch: 677716

Client Sample ID: MW-16A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	31		50.0	79.2		mg/L		97	80 - 120	0	15
Sulfate	100		50.0	150		mg/L		97	80 - 120	0	15

Lab Sample ID: MB 240-677717/3
Matrix: Water
Analysis Batch: 677717

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND		0.10	0.014	mg/L			10/25/25 13:05	1
Nitrate as N	ND		0.10	0.015	mg/L			10/25/25 13:05	1

Lab Sample ID: LCS 240-677717/4
Matrix: Water
Analysis Batch: 677717

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrite as N	2.50	2.57		mg/L		103	90 - 110

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QC Sample Results

Client: AECOM
Project/Site: BP Hyde Park

Job ID: 240-236134-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 240-677717/4

Matrix: Water

Analysis Batch: 677717

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	2.50	2.33		mg/L		93	90 - 110

Lab Sample ID: 240-236134-2 MS

Matrix: Water

Analysis Batch: 677717

Client Sample ID: MW-16A

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrite as N	0.087	J H H3	2.50	2.84		mg/L		110	80 - 120
Nitrate as N	ND	H H3 F1	2.50	3.12	F1	mg/L		125	80 - 120

Lab Sample ID: 240-236134-2 MSD

Matrix: Water

Analysis Batch: 677717

Client Sample ID: MW-16A

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Nitrite as N	0.087	J H H3	2.50	2.86		mg/L		111	80 - 120	1	15
Nitrate as N	ND	H H3 F1	2.50	3.14	F1	mg/L		126	80 - 120	1	15

Method: 353.2-1993 R2.0 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 240-678469/34

Matrix: Water

Analysis Batch: 678469

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.10	0.040	mg/L			10/29/25 15:14	1

Lab Sample ID: LCS 240-678469/35

Matrix: Water

Analysis Batch: 678469

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	1.73	1.76		mg/L		102	90 - 110

Method: 410.4 - COD

Lab Sample ID: MB 240-677869/9

Matrix: Water

Analysis Batch: 677869

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10	1.8	mg/L			10/27/25 11:20	1

Lab Sample ID: LCS 240-677869/10

Matrix: Water

Analysis Batch: 677869

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	44.6	42.9		mg/L		96	90 - 110

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QC Sample Results

Client: AECOM
Project/Site: BP Hyde Park

Job ID: 240-236134-1

Method: 410.4 - COD (Continued)

Lab Sample ID: 240-236134-1 MS

Matrix: Water

Analysis Batch: 677869

Client Sample ID: MW-7B

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	13		50.0	59.6		mg/L		92	90 - 110

Lab Sample ID: 240-236134-1 MSD

Matrix: Water

Analysis Batch: 677869

Client Sample ID: MW-7B

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chemical Oxygen Demand	13		50.0	59.3		mg/L		92	90 - 110	1	20

Method: 4500 S2 F-2000 - Sulfide, Total

Lab Sample ID: MB 240-678292/1

Matrix: Water

Analysis Batch: 678292

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND		1.0	0.27	mg/L			10/29/25 11:46	1

Lab Sample ID: LCS 240-678292/2

Matrix: Water

Analysis Batch: 678292

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	17.3	17.3		mg/L		100	90 - 110

Method: 5210B-2001 - BOD, 5-Day

Lab Sample ID: SCB 240-677718/2

Matrix: Water

Analysis Batch: 677718

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	SCB Result	SCB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	ND		2.0	2.0	mg/L			10/25/25 12:03	1

Lab Sample ID: USB 240-677718/1

Matrix: Water

Analysis Batch: 677718

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	ND		2.0	2.0	mg/L			10/25/25 12:00	1

Lab Sample ID: LCS 240-677718/3

Matrix: Water

Analysis Batch: 677718

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Biochemical Oxygen Demand	198	186		mg/L		94	85 - 115

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Laboratory Management Program LaMP Chain of Custody Record

0.2/0.8

Page 1 of 1

BP/ARC Project Name: BP IPO

Req Due Date (mm/dd/yy):

Rush TAT: Yes No ☒ X

BP/ARC Facility No: BP Hyde Park

Lab Work Order Number:

Lab Name: Eurofins (Cleveland, OH)				BP/ARC Facility Address: 3425 Hyde Park Blvd				Consultant/Contractor: AECOM																		
Lab Address: 180 S Van Buren Ave, Barberton, OH 44203				City, State, ZIP Code: Niagara, NY 14305				Consultant/Contractor Project No: 60481767.105.24.01H																		
Lab PM: Lab Contact: Opal Johnson				Lead Regulatory Agency: NYSDEC				Address: 50 Lakefront Blvd Ste 111, Buffalo, NY 14202																		
Lab Phone: 330-497-9396 / 330-497-0772 (fax)				California Global ID No.:				Consultant/Contractor PM: James Kaczor																		
Lab Shipping Acct:				Enfos Proposal No:				Phone: 716-923-1300																		
Lab Bottle Order No:				Accounting Mode: Provision ☐ OOC-BU ☐ OOC-RM ☐				Email EDD To: James.Kaczor@aecom.com																		
Other Info: PO # 1643548				Stage: Activity:				Invoice To: BP/ARC ☐ Contractor ☒ X																		
BP/ARC EBM:				Matrix		No. Containers / Preservative		Requested Analyses						Report Type & QC Level												
EBM Phone:														Standard ☐												
EBM Email:														Full Data Package ☐												
Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor	Total Number of Containers	Unpreserved	HNO3	HCl	NaOH/Zn-acetate	H2SO4	8260C - VOCs	SM-4500 - S2 F - Sulfide	410.4 - COD	RSK 175 - Dissolved Gases	5310 C - TOC	5210-BOD (TA-Buffer)	300, 353.2, nitrate-nitrite	300.0 - 280 chloride, sulfate (TA - Buffalo)	6010C - Dissolved Iron (field filtered)	1633 - PFC, IDA-PFAS	8270D - SIM 1,4-Dioxane	Comments		
	EB-10242025	10/24/25	0800	X			15	3	1	6	1	4	3	1	1	3	3	1	2	1						
	MW-19B	10/24/25	0925	X			3			3			3													
	MW-6	10/24/25	0925	X			3			3			3													
	TB-10242025	10/24/25	-	X			2			2			2													
Sampler's Name: Tom Urban				Relinquished By / Affiliation				Date		Time		Accepted By / Affiliation				Date		Time								
Sampler's Company: AECOM				Tom Urban / AECOM				10/24/25		10/24/25 1600		Martin / EUR				10/24/25 1120		10/27/25 850								
Shipment Method: Dropoff at Eurofins Buffalo, NY Ship Date:				Shipment Tracking No:								Temp 9.0 for 12 hrs ICE														
Special Instructions: PO #97842 Line 17: Eurofins Buffalo to ship to Eurofins Cleveland except short hold bottles 5210-BOD, 300, 353.2, 300.0_28D :																										
THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No				Temp Blank: Yes / No				Cooler Temp on Receipt: °F/C				Trip Blank: Yes / No				MS/MSD Sample Submitted: Yes / No										



240-236210 COC

Case Narrative

Client: AECOM
Project: BP IPO Hyde Park

Job ID: 240-236210-1

Job ID: 240-236210-1

Eurofins Cleveland

Job Narrative 240-236210-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 10/27/2025 8:50 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.8°C.

GC/MS VOA

Method 8260D: The continuing calibration verification (CCV) associated with batch 240-678774 recovered above the upper control limit for Chloroethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are: EB-10242025 (240-236210-1), MW-19B (240-236210-2), MW-6 (240-236210-3) and (480-233954-B-4).

Method 8260D: No MS/MSD in batch 679080 due to the parent sample's foaming matrix. Further dilution is needed. The affected sample is MW-6 (240-236210-3).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Cleveland

Client Sample Results

Client: AECOM
Project/Site: BP IPO Hyde Park

Job ID: 240-236210-1

Client Sample ID: EB-10242025

Lab Sample ID: 240-236210-1

Date Collected: 10/24/25 08:00

Matrix: Water

Date Received: 10/27/25 08:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			11/01/25 13:43	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			11/01/25 13:43	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			11/01/25 13:43	1
Chloroethane	ND		1.0	0.83	ug/L			11/01/25 13:43	1
cis-1,2-Dichloroethene	ND		1.0	0.46	ug/L			11/01/25 13:43	1
Tetrachloroethene	ND		1.0	0.44	ug/L			11/01/25 13:43	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			11/01/25 13:43	1
Trichloroethene	ND		1.0	0.44	ug/L			11/01/25 13:43	1
Vinyl chloride	ND		1.0	0.45	ug/L			11/01/25 13:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		78 - 122		11/01/25 13:43	1
Dibromofluoromethane (Surr)	110		73 - 120		11/01/25 13:43	1
4-Bromofluorobenzene (Surr)	108		56 - 136		11/01/25 13:43	1
1,2-Dichloroethane-d4 (Surr)	107		62 - 137		11/01/25 13:43	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	ND		1.0	0.17	ug/L			10/28/25 17:08	1
Ethane	ND		1.0	0.29	ug/L			10/28/25 17:08	1
Ethylene	ND		1.0	0.12	ug/L			10/28/25 17:08	1
Propane	ND		1.0	0.38	ug/L			10/28/25 17:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1, 1, 1-Trifluoroethane	100		60 - 140		10/28/25 17:08	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		200	83	ug/L		10/28/25 14:00	10/29/25 21:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	ND		1.0	0.13	mg/L			10/29/25 19:10	1
Nitrite as N (EPA 300.0)	ND	H H3	0.10	0.014	mg/L			10/29/25 19:10	1
Nitrate as N (EPA 300.0)	ND	H H3	0.10	0.015	mg/L			10/29/25 19:10	1
Sulfate (EPA 300.0)	ND		1.0	0.35	mg/L			10/29/25 19:10	1
Nitrate Nitrite as N (MCAWW 353.2-1993 R2.0)	ND		0.10	0.040	mg/L			10/29/25 17:59	1
Chemical Oxygen Demand (EPA 410.4)	ND		10	1.8	mg/L			10/28/25 09:58	1
Sulfide (SM 4500 S2 F-2000)	ND		1.0	0.27	mg/L			10/30/25 14:44	1
Biochemical Oxygen Demand (SM 5210B-2001)	ND	H H3	2.0	2.0	mg/L			10/29/25 12:49	1
Total Organic Carbon (SM 5310C-2000)	ND		1.0	0.44	mg/L			10/31/25 18:10	1

Manasa M B
3/27/2026

Eurofins Cleveland

Client Sample Results

Client: AECOM
Project/Site: BP IPO Hyde Park

Job ID: 240-236210-1

Client Sample ID: MW-19B

Lab Sample ID: 240-236210-2

Date Collected: 10/24/25 09:25

Matrix: Water

Date Received: 10/27/25 08:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			11/01/25 14:06	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			11/01/25 14:06	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			11/01/25 14:06	1
Chloroethane	ND		1.0	0.83	ug/L			11/01/25 14:06	1
cis-1,2-Dichloroethene	1.6		1.0	0.46	ug/L			11/01/25 14:06	1
Tetrachloroethene	ND		1.0	0.44	ug/L			11/01/25 14:06	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			11/01/25 14:06	1
Trichloroethene	ND		1.0	0.44	ug/L			11/01/25 14:06	1
Vinyl chloride	0.98 J		1.0	0.45	ug/L			11/01/25 14:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		78 - 122		11/01/25 14:06	1
Dibromofluoromethane (Surr)	111		73 - 120		11/01/25 14:06	1
4-Bromofluorobenzene (Surr)	106		56 - 136		11/01/25 14:06	1
1,2-Dichloroethane-d4 (Surr)	108		62 - 137		11/01/25 14:06	1

Manasa M B
3/27/2026

Eurofins Cleveland

Client Sample Results

Client: AECOM
Project/Site: BP IPO Hyde Park

Job ID: 240-236210-1

Client Sample ID: MW-6

Lab Sample ID: 240-236210-3

Date Collected: 10/24/25 09:25

Matrix: Water

Date Received: 10/27/25 08:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			11/01/25 18:25	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			11/01/25 18:25	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			11/01/25 18:25	1
Chloroethane	ND		1.0	0.83	ug/L			11/01/25 18:25	1
cis-1,2-Dichloroethene	12		1.0	0.46	ug/L			11/01/25 18:25	1
Tetrachloroethene	ND		1.0	0.44	ug/L			11/01/25 18:25	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			11/01/25 18:25	1
Trichloroethene	ND		1.0	0.44	ug/L			11/01/25 18:25	1
Vinyl chloride	65		2.0	0.90	ug/L			11/04/25 11:31	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		78 - 122		11/01/25 18:25	1
Toluene-d8 (Surr)	101		78 - 122		11/04/25 11:31	2
Dibromofluoromethane (Surr)	108		73 - 120		11/01/25 18:25	1
Dibromofluoromethane (Surr)	101		73 - 120		11/04/25 11:31	2
4-Bromofluorobenzene (Surr)	103		56 - 136		11/01/25 18:25	1
4-Bromofluorobenzene (Surr)	91		56 - 136		11/04/25 11:31	2
1,2-Dichloroethane-d4 (Surr)	103		62 - 137		11/01/25 18:25	1
1,2-Dichloroethane-d4 (Surr)	94		62 - 137		11/04/25 11:31	2

Manasa M B
3/27/2026

Eurofins Cleveland

Client Sample Results

Client: AECOM
Project/Site: BP IPO Hyde Park

Job ID: 240-236210-1

Client Sample ID: TB-10242025

Lab Sample ID: 240-236210-4

Date Collected: 10/24/25 00:00

Matrix: Water

Date Received: 10/27/25 08:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			11/01/25 01:30	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			11/01/25 01:30	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			11/01/25 01:30	1
Chloroethane	ND		1.0	0.83	ug/L			11/01/25 01:30	1
cis-1,2-Dichloroethene	ND		1.0	0.46	ug/L			11/01/25 01:30	1
Tetrachloroethene	ND		1.0	0.44	ug/L			11/01/25 01:30	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			11/01/25 01:30	1
Trichloroethene	ND		1.0	0.44	ug/L			11/01/25 01:30	1
Vinyl chloride	ND		1.0	0.45	ug/L			11/01/25 01:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		78 - 122		11/01/25 01:30	1
Dibromofluoromethane (Surr)	90		73 - 120		11/01/25 01:30	1
4-Bromofluorobenzene (Surr)	94		56 - 136		11/01/25 01:30	1
1,2-Dichloroethane-d4 (Surr)	94		62 - 137		11/01/25 01:30	1

Manasa M B
3/27/2026

Eurofins Cleveland

Appendix C

Monitoring Well Analytical Data Summary, 2007 to 2025

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
HYDE PARK FACILITY
NIAGARA, NEW YORK

Well ID: MW- 1A

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2- DCE (µg/L)	Trans-1,2- DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1- Trichloroe thane (µg/L)	1,1- Dichloroe thane (µg/L)	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	BOD (mg/L)	COD (mg/L)	TOC (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)
10/31/2007	5 U	5 U	5 U	5 U	5 U	2 U				5 U	5 U	5 U									
4/23/2008	5 U	5 U	5 U	5 U	5 U	2 U	1 U	1 U	2.6	5 U	5 U	5 U		2 U	6.02	1.53	112	109	1 U	0.05 U	0.05 U
10/27/2009	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	30	5 U	5 U	5 U		1.7 U	16.5 J	2	140 J	141	0.16 U	0 R	0.05 U

J Indicates an estimated value.
U Analyte was not detected above the reporting limit.
UJ The analyte was not detected. The reporting limit is an approximate value.
J- Indicates estimated value, biased low.
J+ Indicates estimated value, biased high.
D Result reported from a secondary dilution analysis.
R The sample results are rejected.

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
HYDE PARK FACILITY
NIAGARA, NEW YORK

Well ID: MW- 1B

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2- DCE (µg/L)	Trans-1,2- DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1- Trichloroe thane (µg/L)	1,1- Dichloroe thane (µg/L)	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	BOD (mg/L)	COD (mg/L)	TOC (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)
10/30/2007	5 U	5 U	11	5 U	5 U	16	0.36 J	0.97 J	160	5 U	5 U	5 U		2 U	5 UJ	4.23	97.6	301	1 U		
4/23/2008	5 U	5 U	1.2 J	5 U	5 U	1.9 J	1 U	1 U	64	5 U	0.71 J	5 U		2 U	13	4.06	70	181	1 U	0.05 U	0.05 U
10/27/2009	5 U	5 U	1.3 J	5 U	5 U	1.7 J	5 U	5 U	59	5 U	5 U	5 U		1.6 U	32.5 J	4.5	71.8 J	218	0.16 U	0 R	0.05 U

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J+ Indicates estimated value, biased high.
D Result reported from a secondary dilution analysis.
R The sample results are rejected.

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
HYDE PARK FACILITY
NIAGARA, NEW YORK

Well ID: MW- 2A

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2- DCE (µg/L)	Trans-1,2- DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1- Trichloroe thane (µg/L)	1,1- Dichloroe thane (µg/L)	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	BOD (mg/L)	COD (mg/L)	TOC (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)
11/1/2007	5 U	0.91 J	9.8	5 U	5 U	1.9 J				5 U	7.1	4.9 J									
4/28/2008	5 U	5 U	0.38 J	5 U	2.4 J	2 U				2 J	14	1.2 J									
10/28/2009	5 U	5 U	5 U	5 U	6	1.3 J				7.6	26	1.2 J									
5/11/2010	5 U	5 U	5 U	5 U	4.3 J	1.2 J	5 U	5 U	30	4.9 J	18	1.7 J									

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D Result reported from a secondary dilution analysis.
R The sample results are rejected.

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
HYDE PARK FACILITY
NIAGARA, NEW YORK

Well ID: MW- 2B

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2- DCE (µg/L)	Trans-1,2- DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1- Trichloroe thane (µg/L)	1,1- Dichloroe thane (µg/L)	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	BOD (mg/L)	COD (mg/L)	TOC (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)
11/1/2007	5 U	5 U	48	5 U	5 U	59				5 U	5 U	5 U									
4/28/2008	5 U	5 U	41	5 U	5 U	62				5 U	5 U	5 U									
10/28/2009	5 U	5 U	9.1	5 U	5 U	16				5 U	5 U	5 U									
5/11/2010	5 U	5 U	3.7 J	5 U	5 U	7.6	1.9 J	55	2300	5 U	5 U	5 U									
10/20/2011	5 U	5 U	1.8 J	5 U	5 U	2.6 J				5 U	5 U	5 U									
6/13/2012	5 U	5 U	2.7 J	5 U	5 U	8.6				5 U	5 U	5 U									
8/30/2013	5 U	5 U	2.3 J	5 U	5 U	4 J				5 U	5 U	5 U									
4/3/2014	1 U	1 U	1	0.72 J	1 U	2.2				1 UJ	0.92 J	1 U									
11/20/2015	1 U	1 U	0.87 J	0.56 J	1 U	3.4				1 U	0.65 J	1 U									
4/19/2016	1.0 U	1.0 U	0.95 J	1.0 U	1.0 U	2.2				1.0 U	0.96 J	1.0 U									
9/12/2017	1.0 U	1.0 U	0.77 J	1.0 U	1.0 U	1.8				1.0 U	0.5 J	1.0 U									
4/25/2018	1.0 U	1.0 U	1.3	1.0 U	1.0 U	2.6				1.0 U	1.0 U	1.0 U									

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J+ Indicates estimated value, biased high.
D Result reported from a secondary dilution analysis.
R The sample results are rejected.

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
HYDE PARK FACILITY
NIAGARA, NEW YORK

Well ID: MW- 3A

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2- DCE (µg/L)	Trans-1,2- DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1- Trichloroe thane (µg/L)	1,1- Dichloroe thane (µg/L)	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	BOD (mg/L)	COD (mg/L)	TOC (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)
10/31/2007	5 U	5 U	0.9 J	5 U	5 U	2 U	0.54 J	1 U	6	5 U	5 U	5 U		2 U	19 J	3.21	16.4	319	3.64		
4/24/2008	5 U	0.21 J	0.71 J	5 U	5 U	2 U	1 U	1 U	12	5 U	5 U	5 U		2 U	6.92	2.89	0.2 U	292	1 U	0.05 U	0.05 U
8/12/2008	5 U	5 U	0.89 J	5 U	5 U	5 U	5 U	5 U	25	5 U	5 U					2.6	17.6	318			
10/6/2008	5 U	1.9 J	11	5 U	5 U	5 U	5 U	5 U	19 J	5 U	5 U	5 U				2.3	19.4 J	347			
12/8/2008	5 U	1.4 J	5 U	5 U	5 U	5 U	5 U	5 U	7.7 J	5 U	5 U	5 U				4.9	23.3	444			
1/26/2009	5 U	5 U	1 J	5 U	5 U	5 U	5 U	5 U	7.3 J	5 U	5 U	5 U									
3/16/2009	5 U	5 U	0.99 J	5 U	5 U	5 U	5 U	5 U	5 J	5 U	5 U	5 U				3.7	27.3	334			
10/27/2009	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	14 J	5 U	5 U	5 U		1.9 U	25.6 J	2.2	15.9 J	250	0.16 U	0 R	0.05 U

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J+ Indicates estimated value, biased high.
D Result reported from a secondary dilution analysis.
R The sample results are rejected.

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
HYDE PARK FACILITY
NIAGARA, NEW YORK

Well ID: MW- 3B

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2- DCE (µg/L)	Trans-1,2- DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1- Trichloroe thane (µg/L)	1,1- Dichloroe thane (µg/L)	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	BOD (mg/L)	COD (mg/L)	TOC (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)
10/31/2007	5 U	5 U	1.9 J	5 U	5 U	2.2	1 U	1 U	220	5 U	5 U	5 U		2 U	5 UJ	3.19	134	395	1 U		
4/25/2008	5 U	5 U	2.1 J	5 U	5 U	2.2	0.6 J	1 U	180	5 U	5 U	5 U		4.17	14.1	3.64	132	333	1 U	0.05 U	0.05 U
10/27/2009	5 U	5 U	1.5 J	5 U	5 U	2.9 J	5 U	5 U	170	5 U	5 U	5 U		2.2 U	16.5 J	3.8	121 J	254	0.9	0 R	0.05 U

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J+ Indicates estimated value, biased high.
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R The sample results are rejected.

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
HYDE PARK FACILITY
NIAGARA, NEW YORK

Well ID: MW- 4A

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2- DCE (µg/L)	Trans-1,2- DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1- Trichloroe thane (µg/L)	1,1- Dichloroe thane (µg/L)	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	BOD (mg/L)	COD (mg/L)	TOC (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)
10/31/2007	5 U	34	200	3.2 J	1.8 J	56	0.55 J	5.6	130	5 U	12	5 U		2 U	5 UJ	1.87	106	242	1 U		
4/29/2008	5 U	34	200	3.1 J	1.6 J	53	0.55 J	5.6	130	5 U	15	5 U		2 U	6.62	1.52	117	231	1 U	0.05 U	0.05 U
11/3/2009	5 U	130	110	5.7	2.5 J	41	5 U	4.6 J	83	5 U	17	5 U		2.6 U	50 U	1.7 J	97.1	244	0.16 U	0.1 U	0.05 U
5/14/2010	5 U	94	250	4.9 J	2.6 J	45	5 U	5.7	110	5 U	21	5 U		2.1 U	50 U	1.8	109	249	0.16 U	0.1 U	0.05 U
10/25/2011	5 U	160	150	8.1	3.8 J	73	5 U	12	170	5 U	18	5 U	0.0146 J	3.1 U	50 U	2.1	95.9 J	263 J	0.16 U	0.1 U	0.05 U
3/14/2012																					
3/15/2012	50 UJ	65 J	97 J	9.5 J	50 UJ	14 J	5.7	20	1200	50 UJ	18 J	50 UJ	0.0523 J			999	160	46.3			
6/12/2012	5 U	7.5	140	2.9 J	0.81 J	20	5 U	3.9 J	3700	5 U	5.4	7.8	3.22		1350	434	89.8	5 U		0.1 U	0.05 U
6/13/2012																			0.34		
6/25/2012														796							
11/29/2012	5 U	5.5	120	4.2 J	0.92 J	39	5 U	48	7900	5 U	3.6 J	21	4.85			397	37.8	5 U			
9/3/2013	5 U	4.2 J	31	3.5 J	5 U	11	1.4 J	60 J	11000	5 U	1.3 J	17		551 J	1040 J	251	82.9	1.6 J	0.074 J	0.1 UJ	0.05 U
1/22/2014	5 U	1.1 J	7.5	2.4 J	5 U	7.2	5 U	65	22000	5 U	5 U	12	39.4			362	87.3	5 U	0.16 U		
4/3/2014	1 U	1.2	3.7	2.1	1 U	4.1	4.2 J	47	25000	1 U	1 U	12	36.2	342	640	205	99	5 U	0.17	0.1 UJ	0.018 J
10/14/2014	1 U	0.57 J	5.3	2.2	1 U	5.8	3.5 J	56	19000 J	1 UJ	1.1	9.1	57.6			159	83.8	2.5 J	0.16 U		
11/18/2015	1 U	1.2	1.3	1 U	1 U	1.1	5.2	18	17000	1 U	1	3	14.5	70.6	443	36.6	123	5.6	0.085 J	0.1 U	0.05 U
4/21/2016	1.0 U	3.4	2.8	1.0 U	1.0 U	1.1	4.3 J	8.6	26000 D	1.0 U	1.4	3	9.67	34.3	181	20.4	179	7.6	0.069 J	0.10 U	0.050 U
9/11/2017	1.0 U	1.3	0.68 J	1.0 U	1.0 UJ	2.6	3.9	5.5	5400 D	1.0 U	1.4	2.7	11	27	48	17	26	2.1 J	1.0 U	0.25 U	0.050 UJ
4/23/2018	1.0 U	0.44 J	1.1	0.51 J	1.0 U	0.96 J	10 U	10 U	21000	1.0 U	1.8	2.5	14	7.6	23	7.2	110	3.7 J	1.0 U	0.25 U	0.050 UJ

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UJ The analyte was not detected. The reporting limit is an approximate value.
J- Indicates estimated value, biased low.
J+ Indicates estimated value, biased high.
D Result reported from a secondary dilution analysis.
R The sample results are rejected.

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
HYDE PARK FACILITY
NIAGARA, NEW YORK

Well ID: MW- 4B

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2- DCE (µg/L)	Trans-1,2- DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1- Trichloroe thane (µg/L)	1,1- Dichloroe thane (µg/L)	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	BOD (mg/L)	COD (mg/L)	TOC (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)
10/31/2007	5 U	5 U	23	5 U	5 U	11	0.39 J	0.39 J	200	5 U	1.4 J	5 U		2 U	5.52 J	3.15	152	316	2.59		
4/29/2008	5 U	5 U	12	5 U	5 U	13	0.43 J	0.66 J	260	5 U	5 U	5 U		2 U	8.98	3.29	152	247	1 U	0.05 U	0.05 U
11/3/2009	5 U	5 U	9.7	5 U	5 U	9.5	5 U	5 U	140	5 U	5 U	5 U		3 U	25.6 J	2.9 J	190	267	0.16 J	0.1 U	0.05 U
5/14/2010	5 U	5 U	2.8 J	5 U	5 U	12	5 U	5 U	160	5 U	5 U	5 U		2.7 U	13.3 J	3.4	165	305	0.16 U	0.1 U	0.05 U
1/16/2014	5 U	5 U	11	5 U	5 U	15	5 U	2.8 J	150	5 U	1.1 J	5 U	0.459			3.9	142	298 J+	0.16 U		

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J+ Indicates estimated value, biased high.
D Result reported from a secondary dilution analysis.
R The sample results are rejected.

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
HYDE PARK FACILITY
NIAGARA, NEW YORK

Well ID: MW- 5A

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2- DCE (µg/L)	Trans-1,2- DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1- Trichloroe thane (µg/L)	1,1- Dichloroe thane (µg/L)	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	BOD (mg/L)	COD (mg/L)	TOC (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)
10/29/2007															5 UJ						
10/30/2007	5 U	0.59 J	2.6 J	5 U	5 U	2 U	1 U	1 U	0.74 J	5 U	5 U	5 U		2 U		1.14	569	172	1 U		
4/22/2008	5 U	0.47 J	37	0.35 J	5 U	16	2	4.7	22	5 U	5 U	5 U		2 U	12.2	1.44	542	164	1 U	0.613	0.05 U
10/29/2009	5 U	5 U	5.9	5 U	5 U	1.8 J	5 U	5 U	5.5 J	5 U	5 U	5 U		1.7 U	23.3 J	1.1	263	148 J	0.16 U	0.85	0.05 U
5/13/2010	5 U	5 U	110	0.97 J	5 U	84	1.8 J	45	100	5 U	5 U	5 U		1.6 U	15.6 J	1.3	188	126	0.16 U	0.7	0.05 U
10/21/2011	5 U	5 U	5.7	5 U	5 U	3.3 J	5 U	1.5 J	9.6 J	5 U	5 U	5 U	0.0265 J	3.1 U	50 U	1.5	204	164	0.16 U	0.75	0.05 U
6/12/2012	5 U	5 U	88	1 J	5 U	82	2.8 J	34	130	5 U	5 U	1 J	0.2 U	3.2 U	50 U	0.98 J	120	116	0.16 U	0.57	0.05 U
8/28/2013	5 U	5 U	110	1.4 J	5 U	190	9.5	100	460	5 U	1.3 J	5 U		4.3 U	50 U	1.2	106 J	91.7	0.16 U	0.35	0.05 U
4/2/2014	1 U	1 U	240	2.3	1 U	300	16	110	1100	1 UJ	3.3	2.1	0.4 U	4.1 U	50 U	2.3	128 J-	63.3 J+	0.16 U	0.13	0.05 U
11/17/2015	1 U	1 U	150	1.6	1 U	140	5.4	39	2000	1 U	1.4	1.5	0.4 U		50 U	1 U	102	102	0.16 U	0.61	0.05 U
11/20/2015														6 U							
4/19/2016	1.0 U	1.0 U	340 D	5.4	1.0 U	340 D	12	87	7500	1.0 U	4.2	1.0 U	0.400 U	7.3	24.4 J	1.2	151	70.2	0.10 U	0.56	0.050 U
9/13/2017	2.0 U	2.0 U	61	0.74 J	2.0 U	68	2.1	9.8	460	2.0 U	0.88 J	2.0 U	0.100 U	2.0 U	12	0.76 J	69	99	1.0 U	0.25 U	0.050 U
4/24/2018	13 U	13 U	250	13 U	13 U	310	18	69	4200	13 U	3.3 J	13 U	0.200 U	4	4.2 J	1.5	120	60	1.0 U	0.13 J	0.050 UJ
12/3/2019	1.0 U	0.47 J	9.5	1.0 U	1.0 U	11	2.1	3.7	140	1.0 U	1.0 U	1.0 U	0.20 U	2.0 U	4.1 J	0.68 J	89	97	1.0 U	0.59	
3/18/2020	5.0 U	0.52 J	130	1.2 J	5.0 U	180	38	47	2600	5.0 U	2.5 J	5.0 U	0.2 U	1.3 J	12	1.2	130	67	1.0 U	0.098 J	0.10 U
12/6/2021	1.0 U	1.0 U	52	1.0 U	1.0 U	62	7.2 J	7.1	470	1.0 U	1	0.6 J	0.05 U	2.0 U	17	1.5	76	87	1.0 U	0.47	0.10 U
5/10/2022	1.0 U	1.0 U	78	0.62 J	1.0 U	70 D	32	32	2100	1.0 U	1.9	1.0 U	0.2 U	6.0 U	6.8 J	1.0 U	85	77	1.0 U	0.24	0.10 U
10/4/2023	1.0 U	0.49 J	67	1.0 U	1.0 U	150 D	29	35	2100	1.0 U	1.7	1.0 U	200 U	2.0 U	10 U	0.97 J	110	66	1.0 U	0.25 U	0.25 U
4/24/2024	10 U	10 U	120	10 U	10 U	160	23	23	1700	10 U	10 U	10 U	200 U	2.8	6.3 J	0.71 J	98 J+	72 J+	1.0 U	0.10 UJ	0.10 UJ
10/22/2025	1.0 U	0.46 J	2.4	1.0 U	1.0 U	0.97 J	1.0 U	1.0 U	7.1	1.0 U	1.0 U	1.0 U	200 U	2.0 UH	4.2 J	0.55 J	73	79	14	0.091 H	0.050 UH

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U Analyte was not detected above the reporting limit.
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J- Indicates estimated value, biased low.
J+ Indicates estimated value, biased high.
D Result reported from a secondary dilution analysis.
R The sample results are rejected.

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
HYDE PARK FACILITY
NIAGARA, NEW YORK

Well ID: MW- 5B

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2- DCE (µg/L)	Trans-1,2- DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1- Trichloroe thane (µg/L)	1,1- Dichloroe thane (µg/L)	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	BOD (mg/L)	COD (mg/L)	TOC (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)
10/29/2007	5 U	0.76 J	61	0.66 J	5 U	49	1 U	0.6 J	86	5 U	0.38 J	5 U		2 U	5 UJ	4.26	83.2	230	1 U		
4/22/2008	5 U	0.51 J	58	0.5 J	5 U	57	0.37 J	0.76 J	80	5 U	5 U	5 U		2 U	9.57	4.49	81	223	1.94	0.05 U	0.05 U
10/29/2009	5 U	5 U	39	5 U	5 U	37	5 U	5 U	50	5 U	5 U	5 U		1.7 U	14.2 J	4.9	112	229 J	0.16 U	0.1 U	0.05 U
5/13/2010	5 U	1.1 J	36	5 U	5 U	39	5 U	5 U	63	5 U	5 U	5 U		1.2 U	15.6 J	4.7	98.5	234	0.16 U	0.1 U	0.05 U
11/9/2010	5 U	5 U	43	5 U	5 U	45	5 U	1.1 J	81	5 U	5 U	5 U				4.1	111	254			
10/21/2011	5 U	5 U	48	5 U	5 U	63	5 U	5 U	72	5 U	5 U	5 U	0.0196 J	2.5 U	17.9 J	4.9	130	358	0.16 U	0.1 U	0.05 U
6/13/2012	5 U	5 U	33	5 U	5 U	34	5 U	5 U	50	5 U	5 U	5 U	0.2 U	3.7 U	33.3 J	3.4	187	255	0.16 U	0.1 U	0.05 U
11/30/2012	5 U	5 U	39	5 U	5 U	44	5 U	5 U	66	5 U	5 U	5 U				3	166	267			
8/28/2013	5 U	5 U	32	5 U	5 U	44	5 U	5 U	41	5 U	5 U	5 U		2.8 U	15.6 J	4.5	119 J	299	0.16 U	0.1 U	0.05 U
4/3/2014	1 U	1	16	1 U	1 U	29	5 U	5 U	63	1 UJ	1 U	1 U	0.379 J	4.4 U	50 U	5.3	100	240	0.16 U	0.1 UJ	0.05 U
11/17/2015	1 U	0.58 J	34	1 U	1 U	65	5 U	2.3 J	120	1 U	1 U	1 U	0.502	5.1 U	17.5 J	3.1	117	251	0.16 U	0.1 U	0.05 U
4/19/2016	1.0 U	1.0 U	32	1.0 U	1.0 U	71	5.0 U	1.6 J	86	1.0 U	1.0 U	1.0 U	0.332 J	3.3 U	24.4 J	3	166	259	0.10 U	0.10 U	0.050 U
9/13/2017	5.0 U	5.0 U	36	5.0 U	5.0 U	91	0.50 U	2.2	110	5.0 U	5.0 U	5.0 U	0.54	2.0 U	17	3.4	110	240	1.0 U	0.50 U	0.050 U
4/24/2018	1.0 U	1.0 U	32	1.0 U	1.0 U	78	1.0 U	3.3	160	1.0 U	0.3 J	1.0 U	0.4	2.0 U	8.3 J	3.6	110	240	1.0 U	0.25 UJ	0.050 UJ
12/3/2019	2.0 U	2.0 U	32	2.0 U	2.0 U	90	0.66 J	4.8	270	2.0 U	2.0 U	2.0 U	0.41	2.0 U	9.4 J	3.3	110	240	1.1	0.25 U	
3/18/2020	2.0 U	2.0 U	26	2.0 U	2.0 U	68	1.0 U	2.9	160	2.0 U	2.0 U	2.0 U	0.37	2.0 U	10	3.2	140	220	1.0 U	0.50 U	0.10 U
12/6/2021	2.0 U	2.0 U	40	2.0 U	2.0 U	140	7.5 U	2.4 J	300	2.0 U	2.0 U	2.0 U	0.24	2.0 U	35	4.5	120	230	1.0 U	0.25 U	0.25 U
5/10/2022	1.0 U	1.0 U	35	1.0 U	1.0 U	71 D	0.68 J	3.2	250	1.0 U	1.0 U	1.0 U	0.14 J	12 U	9.5 J	2.6	140	200	1.0 U	0.25 U	0.25 U
10/4/2023	1.0 U	1.0 U	24	1.0 U	1.0 U	140 D	0.37 J	2.6	210	1.0 U	1.0 U	1.0 U	200 U	2.0 U	2.8 J	3.2	140	240	1.0 U	0.25 U	0.25 U
4/24/2024	1.0 U	1.0 U	23	1.0 U	1.0 UJ	88	0.43 J	2.2	180	1.0 U	1.0 U	1.0 U	250	2.0 U	12	3.1	120 J+	220 J+	1.0 U	0.10 UJ	0.10 UJ
10/22/2025	1.0 U	1.0 U	20	1.0 U	1.0 U	75	1.0 U	2	160	1.0 U	1.0 U	1.0 U	200 U	2.0 UH	11	2.8	180	210	1.0 U	0.09 H	0.050 UH

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J+ Indicates estimated value, biased high.
D Result reported from a secondary dilution analysis.
R The sample results are rejected.

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
HYDE PARK FACILITY
NIAGARA, NEW YORK

Well ID: MW- 6

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2- DCE (µg/L)	Trans-1,2- DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1- Trichloroe thane (µg/L)	1,1- Dichloroe thane (µg/L)	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	BOD (mg/L)	COD (mg/L)	TOC (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)
11/1/2007	5 U	5 U	130	0.52 J	5 U	82				5 U	5 U	5 U									
4/29/2008	5 U	5 U	150	0.39 J	5 U	100				5 U	5 U	5 U									
10/30/2009	5 U	5 U	85	5 U	5 U	69				5 U	5 U	5 U									
5/12/2010	5 U	5 U	39	5 U	5 U	48	5 U	23	310	5 U	5 U	5 U		3.6 U	22.4 J	3.9	140 J	217	3.4	0.1 U	0.05 U
10/20/2011	5 U	5 U	33	5 U	5 U	57				5 U	5 U	5 U									
6/13/2012	5 U	5 U	30	5 U	5 U	47				5 U	5 U	5 U									
8/30/2013	5 U	5 U	24	5 U	5 U	42				5 U	5 U	5 U									
4/3/2014	1 U	1 U	18	1 U	1 U	39				1 U	1 U	1 U									
11/20/2015	1 U	1 U	20	1 U	1 U	57				1 U	1 U	1 U									
4/21/2016	1.0 U	1.0 U	18	1.0 U	1.0 U	59				1.0 U	1.0 U	1.0 U									
9/12/2017	5.0 U	5.0 U	16	5.0 U	5.0 U	79				5.0 U	5.0 U	5.0 U									
4/26/2018	1.0 U	1.0 U	12	1.0 U	1.0 U	48				1.0 U	1.0 U	1.0 U									
12/4/2019	1.0 U	1.0 U	10	1.0 U	1.0 U	78				1.0 U	1.0 U	1.0 U									
3/19/2020	1.0 U	1.0 U	11	1.0 U	1.0 U	72				1.0 U	1.0 U	1.0 U									
12/8/2021	2.0 U	2.0 U	13	2.0 U	2.0 U	98				2.0 U	2.0 U	2.0 U									
5/11/2022	1.0 U	1.0 U	12	1.0 U	1.0 U	61 DJ				1.0 U	1.0 U	1.0 U									
10/5/2023	1.0 U	1.0 U	12	1.0 U	1.0 U	59 DJ				1.0 U	1.0 U	1.0 UJ									
4/22/2024	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	71				2.0 U	2.0 U	2.0 U									
10/24/2025	1.0 U	1.0 U	12	1.0 U	1.0 U	65				1.0 U	1.0 U	1.0 U									

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R The sample results are rejected.

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
HYDE PARK FACILITY
NIAGARA, NEW YORK

Well ID: MW- 7A

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2-	Trans-1,2-	1,1-DCE (µg/L)	Vinyl	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1-	1,1-	Chloro ethane (µg/L)	Iron (mg/L)	BOD (mg/L)	COD (mg/L)	TOC (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	
			DCE (µg/L)	DCE (µg/L)		Trichloroe thane (µg/L)				Dichloroe thane (µg/L)												
11/1/2007	25 U	36	580	25 U	9 J	60	0.95 J	8.5	10	25 U	80	25 U		2 U	7.97 J	2.74	21	250	1 U			
4/28/2008	5 U	210	1700	6.1 J	24	130	0.44 J	5.3	8.6	1.3 J	220	5 U		2 U	5.42	2.23	17.3	210	1 U	0.05 U	0.24	
8/13/2008	13 U	270	1800	5.9 J	34	130	5 U	7.2	21	4.1 J	280					3.2	22.3	282				
10/8/2008	5 U	58	1800	3.5 J	25	210	5 U	12	21 J	5 U	250	5 U				143	21.3 J	60.4				
12/9/2008	10 U	4.3 J	1100	1.7 J	9.6 J	180	5 U	27	24	10 U	150	10 U				25.1	24.1	295				
1/27/2009	5 U	3.2 J	840	2.4 J	7.6	390	5 U	51	110	5 U	230	5 U										
3/17/2009	5 U	2.9 J	620	1.5 J	3.6 J	250	5 U	69	210	5 U	140	5 U				8.8	25	253				
10/15/2009	5 U	2.7 J	120	5 U	5 U	240	5 U	110	760	5 U	56	5 U				4.7	21.1	228				
10/30/2009	5 U	1.8 J	210	5 U	5 U	150	5 U	51	260	5 U	49	5 U		4.2 U	23.3 J	3.2	21.8	233 J	2.2	0.1 U	0.05 U	
11/18/2009																1150						
12/14/2009	5 U	5 U	140	5 U	5 U	100	5.1	100	1900	5 U	47	5 U				207	23.3 J	56.2 J				
2/9/2010	5 U	5 U	77	5 U	5 U	84	1.1 J	92	1200	5 U	48	5 U				40.1 J	24.1	87.6				
4/1/2010	5 U	5 U	22	5 U	5 U	49				5 UJ	39	5 U										
5/6/2010	5 U	5 U	65	5 U	5 U	50	5 U	5 U	15 U	5 U	33	5 U				95.5	20.9 J	52.2 J				
11/10/2010	5 U	5 U	44	5 U	5 U	18	43 J	65 J	16000	5 U	15	23				261	26.7	31.8				
10/27/2011	5 U	5 U	20	5 U	5 U	19	57	25	20000	5 U	22	13	0.115 J			25.1	28.7	57.1				
3/14/2012	25 U	25 U	11 J	25 U	25 U	25 U	20	8	6700	25 U	18 J	15 J	4.09			1380	34.3	5				
6/14/2012	5 U	1.2 J	3.8 J	5 U	5 U	5 U	5.8	3.3 J	6300	5 U	9.1	22	3.6			573	24.3	5 U				
11/28/2012	5 U	5 U	2.7 J	5 U	5 U	1.3 J	10	1.1 J	16000	5 U	13	16	0.691			204	26.2	5.7				
8/30/2013	5 U	5 U	3.9 J	5 U	5 U	2.2 J	11	3.5 J	13000	5 U	15	7.8		277 J	576	151	26	8.7	0.16 J	0.1 U	0.05 U	
1/15/2014	5 U	5 U	4 J	5 U	5 U	1.8 J	8.4	2.7 J	17000	5 U	16	13	39.4			1340	50.4 J+	5 U	0.34			
4/2/2014	1 U	1 U	3	1 U	1 U	1	6.3	1.2 J	20000	1 U	12	16	22.9	589	1250	453	25.5	2.3 J	0.067 J	0.1 U	0.05 U	
10/9/2014	1 U	1 U	0.92 J	1 U	1 U	0.94 J	4.7 J	5 U	16000	1 U	8.1	11	14.1			132	27.9	4 J	0.11 J			
11/19/2015	1 U	1 U	1.5	1 U	1 U	3.1	2.8 J	1.1 J	5900	1 U	11	4.8	7.85	99.3	293 J-	84.3	24.6	20.2	0.22	0.1 U	0.05 U	
4/20/2016	1.0 U	1.0 U	1.9	1.0 U	1.0 U	3.7	4 J	1.3 J	16000 D	1.0 U	12	4.2	2.18	62	217	50.1	27.4	5.1	0.5	0.10 U	0.050 U	
9/12/2017	2.0 U	2.0 U	26	2.0 U	2.0 U	33	2.9	4.1	3400 D	2.0 U	61 J	19	1.7	61	170	52	25	93	1.0 U	0.25 U	0.050 UJ	
4/25/2018	5.0 U	5.0 U	46	5.0 U	5.0 U	42	61	63	14000	5.0 U	140	23	0.55	9.2 J	97	32	25	56	1.1	0.25 U	0.027 J	
12/4/2019	2.5 U	2.5 U	21 J	2.5 U	2.5 U	35 J	95	25	13000 D	2.5 U	69	44	1.5	14 J-	42	17	12	70	1.0 U	0.25 U		
3/19/2020	2.0 U	2.0 U	50	2.0 U	2.0 U	45	80	20	16000 D	2.0 U	59	23	0.91			36	12	8	82	2.1	0.50 UJ	0.10 UJ
12/8/2021	4.0 U	7.3	150	4.0 U	4.0 U	150	170 U	150 U	13000	4.0 U	90	16	1.5	7.9	36	14	14	89	0.8 J	0.25 U	0.25 U	
5/12/2022	1.0 U	1.0 U	17	1.0 U	1.0 U	33	53	46	13000 D	1.0 U	76 D	16	0.95	6.7	39	7.4	11	120	3.1	0.10 UJ	0.050 UJ	
10/6/2023	1.0 U	1.0 U	3.5	1.0 U	1.0 U	8.5	26	6.1	7800	1.0 U	26	7	1200	3.8 J	32	6.5	14	140	2.9	0.25 UJ	0.25 UJ	
4/23/2024	20 U	210	740	20 U	20 U	170	43	50	8600	20 U	43	20 U	3800	4.8		3.2	14 J+	220	1	0.25 U	0.25 U	
10/23/2025	4.0 U	4.0 U	160	4.0 U	4.0 U	160	19	48	4000	4.0 U	26	4.0 U	2700	4.1 H	16	4.2	15	220	1.0 U	0.10 UH	0.10 UH	

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R The sample results are rejected.

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
HYDE PARK FACILITY
NIAGARA, NEW YORK

Well ID: MW- 7B

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2- DCE (µg/L)	Trans-1,2- DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1- Trichloroe thane (µg/L)	1,1- Dichloroe thane (µg/L)	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	BOD (mg/L)	COD (mg/L)	TOC (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)
11/1/2007	5 U	5 U	11	5 U	5 U	31	0.31 J	1.9	220	5 U	5 U	5 U		2 U	6.58 J	3.41	157	298	1 U		
4/28/2008	5 U	5 U	10	5 U	5 U	45	0.44 J	2.8	230	5 U	5 U	5 U		2 U	11.6	3.45	130	278	1 U	0.05 U	0.05 U
10/7/2008	5 UJ	5 UJ	19 J	5 UJ	5 UJ	29 J	5 U	3.1 J	220 J	5 UJ	5 UJ	5 UJ				5	164 J	271			
12/9/2008	5 U	5 U	21	5 U	5 U	33	5 U	4.1 J	250	5 U	5 U	5 U				9	153	384			
1/27/2009	5 U	5 U	13	5 U	5 U	29	5 U	3.3 J	220	5 U	5 U	5 U									
3/17/2009	5 U	5 U	20	5 U	5 U	30	5 U	2.1 J	150	5 U	5 U	5 U				5.3	179	296			
10/15/2009	5 U	5 U	7.1	5 U	5 U	39	5 U	3.3 J	340	5 U	5 U	5 U				6.4	146	250			
10/30/2009	5 U	5 U	7.3	5 U	5 U	24				5 U	5 U	5 U									
12/14/2009	5 U	5 U	7.7	5 U	5 U	24	5 U	3.6 J	260	5 U	5 U	5 U				26.8	171 J	220 J			
2/9/2010	5 U	5 U	3.2 J	5 U	5 U	21	5 U	6.1	650	5 U	5 U	5 U				13.9 J	157	248			
3/31/2010	5 U	5 U	3.8 J	5 U	5 U	29				5 U	5 U	5 U									
5/6/2010	5 U	5 U	4.5 J	5 U	5 U	31	5 U	5 U	15 U	5 U	5 U	5 U				60.6	130 J	244 J			
11/11/2010	5 U	5 U	6.7	5 U	5 U	24	5 U	4.2 J	1200	5 U	5 U	5 U				17.5	168	239			
10/26/2011	5 U	5 U	6	5 U	5 U	25	5 U	3.6 J	3400	5 U	5 U	5 U	0.0747 J			8.4	168	218 J			
3/15/2012	50 U	50 U	50 U	50 U	50 U	11 J	5 U	9.3	4500	50 U	50 U	50 U	0.0443 J			68.1	153	122			
6/14/2012	5 U	5 U	1.6 J	5 U	5 U	9.2	5 U	7.9	2400	5 U	5 U	5 U	0.2 U			19.3	150	143			
11/27/2012	5 U	5 U	1.5 J	5 U	5 U	9.5	5 U	11	3300	5 U	5 U	5 U	0.2 U			8.7	173	178			
9/3/2013	5 U	5 U	1.2 J	5 U	5 U	7.5	5 U	11	6400	5 U	5 U	5 U		17.4	95 J	11.5	146 J	139	10.3	0.1 UJ	0.05 U
1/13/2014	5 U	5 U	5 U	5 U	5 U	2 J	5 U	9.4	18000	5 U	5 U	5 U	0.4 U			70.1	145	61.7	47.9		
4/2/2014	1 U	1 U	1 U	1 U	1 U	5.5	5 U	11	19000	1 U	1 U	1 U	0.4 U	366	772	132	136	117	33.3	1 U	0.026 J
10/10/2014	1 U	1 U	1.5	1 U	1 U	8	5 U	7	13000	1 U	1 U	1 U	0.4 U			22.2	164	129	22.6		
11/23/2015	1 U	1 U	1.2	1 U	1 U	6.1	5 U	4.3 J	11000	1 U	1 U	1 U	0.4 U	22.2	97.8	10.8	189	146	20.4	0.1 U	0.05 U
4/20/2016	1.0 U	1.0 U	0.82 J	1.0 U	1.0 U	10	5.0 U	5.6	5000 D	1.0 U	1.0 U	1.0 U	0.400 U	27.1	142	6.9	172	162	16.5	0.10 U	0.050 U
9/12/2017	1.0 U	1.0 U	2.2	1.0 U	1.0 U	18	0.50 U	1.9	370	1.0 U	1.0 U	1.0 U	0.100 U	9.6	41	4.8	170	180	1.1	0.25 U	0.050 UJ
4/25/2018	1.0 U	1.0 U	2.2	1.0 U	1.0 U	17	1.0 U	6.4	240	1.0 U	1.0 U	1.0 U	0.200 U	2	29	4.7	140	260	1.0 U	0.25 U	0.050 U
12/3/2019	1.0 U	1.0 U	1.3	1.0 U	1.0 U	10	0.58 J	3.3	290	1.0 U	1.0 U	1.0 U	0.20 U	2.0 U	12	3.3	180	190	7.1	0.25 U	
3/19/2020	1.0 U	1.0 U	5.4	1.0 U	1.0 U	18	1.0 U	6.4	230	1.0 U	1.0 U	1.0 U	0.2 U		11	3.2	130	260	1.7	0.50 UJ	0.10 UJ
12/8/2021	1.0 U	1.0 U	1.5	1.0 U	1.0 U	18	7.5 U	7.0 U	160	1.0 U	1.0 U	1.0 U	0.05 U	2.0 U	10 U	4.6	240	200	0.8 J	0.25 U	0.25 U
5/12/2022	1.0 U	1.0 U	1.9	1.0 U	1.0 U	12	0.61 J	3.4	170	1.0 U	1.0 U	1.0 U	0.2 U	6.0 U	16	3	170	270	0.73 J	0.10 UJ	0.050 UJ
10/6/2023	1.0 U	1.0 U	1.7	1.0 U	1.0 U	9.6	1.0 U	1.9	170	1.0 U	1.0 U	1.0 U	200 U	2.0 UJ	13	3.6	250	160	2.3	0.25 UJ	0.58 J
4/25/2024	1.0 U	1.0 U	1.7	1.0 U	1.0 UJ	11	0.42 J	3.5	200	1.0 U	1.0 U	1.0 U	200 U	2.0 UJ	11	3.1	190 J+	250	0.8 J	0.10 U	0.10 U
10/23/2025	1.0 U	1.0 U	2.2	1.0 U	1.0 U	15	1.0 U	2.6	180	1.0 U	1.0 U	1.0 U	200 U	0 HH3	13	3.1	280	170	1.7	0.10 UHH3	0.10 UHH3

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UJ The analyte was not detected. The reporting limit is an approximate value.
J- Indicates estimated value, biased low.
J+ Indicates estimated value, biased high.
D Result reported from a secondary dilution analysis.
R The sample results are rejected.

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
HYDE PARK FACILITY
NIAGARA, NEW YORK

Well ID: MW- 8

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2- DCE (µg/L)	Trans-1,2- DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1- Trichloroe thane (µg/L)	1,1- Dichloroe thane (µg/L)	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	BOD (mg/L)	COD (mg/L)	TOC (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)
10/31/2007	5 U	5 U	2.2 J	5 U	5 U	1.8 J				5 U	5 U	5 U									
4/25/2008	5 U	5 U	2.5 J	5 U	5 U	2.6				5 U	5 U	5 U									
11/2/2009	5 U	5 U	2.1 J	5 U	5 U	2.6 J				5 U	5 U	5 U									
5/12/2010	5 U	5 U	2.3 J	5 U	5 U	2.2 J	5 U	5 U	140	5 U	5 U	5 U									
10/24/2011	5 U	5 U	1.9 J	5 U	5 U	2.1 J				5 U	5 U	5 U									
6/12/2012	5 U	5 U	1.6 J	5 U	5 U	1.1 J				5 U	5 U	5 U									
8/30/2013	5 U	5 U	1.7 J	5 U	5 U	1.8 J				5 U	5 U	5 U									
4/3/2014	1 U	1 U	1.6	1 U	1 U	1.5				1 U	1 U	1 U									
11/23/2015	1 U	1 U	1.7	1 U	1 U	1.9				1 U	1 U	1 U									
4/22/2016	1.0 U	1.0 U	1.9	1.0 U	1.0 U	1.8				1.0 U	1.0 U	1.0 U									
9/13/2017	1.0 U	1.0 U	1.7	1.0 U	1.0 U	1.4				1.0 U	1.0 U	1.0 U									
4/23/2018	1.0 U	1.0 U	1.9	1.0 U	1.0 U	1.6				1.0 U	1.0 U	1.0 U									

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J+ Indicates estimated value, biased high.
D Result reported from a secondary dilution analysis.
R The sample results are rejected.

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
HYDE PARK FACILITY
NIAGARA, NEW YORK

Well ID: MW-10A

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2-DCE (µg/L)	Trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1-Trichloroethane (µg/L)	1,1-Dichloroethane (µg/L)	Chloroethane (µg/L)	Dissolved Iron (mg/L)	BOD (mg/L)	COD (mg/L)	TOC (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)
10/29/2007	5 U	5 U	300	12	0.68 J	67	0.52 J	4.6	19	5 U	4.5 J	5 U		2 U	8.32 J	1.93	815	332	1 U		
4/22/2008	5 U	5 U	390	10	1.6 J	97	4.4	11	60	5 U	5.8	5 U		2 U	10.1	2.99	884	294	1 U	0.05 U	0.05 U
10/29/2009	5 U	5 U	400	9.4	1.5 J	140	5 U	10	38	5 U	6.4	5 U		1.8 U	46.2 J	1.6	903	279 J	0.16 U	0.1 U	0.05 U
5/11/2010	5 U	5 U	390	7.6	1.3 J	140	5 U	17	71	5 U	5.7	5 U		1.7 U	38.4 J	1.5	784	250	0.16 U	0.1 U	0.05 U
10/25/2011	5 U	5 U	630	11	1.2 J	250	5 U	29	66	5 U	7.7	5 U	0.0808 J	2.8 U	27 J	1.9	770 J	254 J	0.16 U	0.1 U	0.05 U
6/13/2012	5 U	5 U	620	13	1 J	170	1.5 J	43	120	5 U	7	5 U	0.2 U	3.2 U	31 J	0.98 J	621	264	0.16 U	0.1 U	0.05 U
8/29/2013	5 U	5 U	570	9.9	5 U	130	5 U	28	130	5 U	5.6	5 U		2.9 UJ	27 J	1.8	481	193	0.16 U	0.1 U	0.05 U
4/2/2014	1 U	1 U	560	8	0.6 J	95	5 U	24	170	1 UJ	4.4	1 U	0.719	3.9 U	17.2 J	2	438 J-	228 J+	0.16 U	0.1 U	0.05 U
11/18/2015	1 U	1 U	710	9.1	0.52 J	130	5 U	17	220	1 U	5.3	1 U	1.81	2.9 U	22.1 J	0.87 J	434	170	0.16 U	0.1 U	0.05 U
4/19/2016	1.0 U	0.57 J	960 D	12	0.71 J	83	5.0 U	6.4	88	1.0 U	5.4	1.0 U	0.831	3.4 U	33.6 J	0.9 J	523	216	0.10 U	0.10 U	0.050 U
9/13/2017	20 U	20 U	590	6.8 J	20 U	130	0.38 J	11	400	20 U	20 UJ	20 U	1.4	2.0 U	13	1.1	310	170	1.0 U	0.50 U	0.050 U
4/25/2018	20 U	20 U	540	20 U	20 U	94	1.0 U	12	640	20 U	20 U	20 U	1.2	2.0 U	10	1.4	260	160	1.0 U	0.25 U	0.050 U
12/4/2019	25 U	5 J	500	25 U	25 U	130	2.4	36	2000	25 U	25 U	25 U	1.1	2.0 UJ	4.2 J	1.4	200	150	1.0 U	0.25 U	
3/18/2020	20 U	7.6 J	570	4.4 J	20 U	130	2.7	34	2400	20 U	20 U	20 U	0.88	2.0 U	8.3 J	1.4	190	120	1.0 U	0.50 U	0.10 U
12/6/2021	25 U	13 J	650	25 U	25 U	180	7.5 U	14	880	25 U	25 U	25 U	1.4	2.0 U	26	2	220	150	1.0 U	0.25 U	0.25 U
5/10/2022	13 U	8.7 J	540	13 U	13 U	85	2.2	20	1800	13 U	13 U	13 U	0.84	6.0 U	2.8 J	1.0 U	160	140	1.0 U	0.25 U	0.25 U
10/4/2023	10 U	7.5 J	580	10 U	10 U	190	5.3	37	3500	10 U	10 U	10 U	1200	2.2	200	2.8	150	130	1.0 U	0.25 U	0.25 U
4/24/2024	10 U	5.9 J	550	7.1 J	10 UJ	150	4.9	30	2700	10 U	10 U	10 U	890	2.0 U	2.4 J	1.2	140 J+	120 J+	1.0 U	0.10 UJ	0.10 UJ
10/22/2025	1.0 U	5.2	380	3.3	1.0 U	130	5.2	26	2300	1.0 U	2.9	1.0 U	1200	2.0 UH	5.2 J	1.4	140	130	1.0 U	0.044 JH	0.050 UH

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UJ The analyte was not detected. The reporting limit is an approximate value.
J- Indicates estimated value, biased low.
J+ Indicates estimated value, biased high.
D Result reported from a secondary dilution analysis.
R The sample results are rejected.

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
HYDE PARK FACILITY
NIAGARA, NEW YORK

Well ID: MW-10B

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2- DCE (µg/L)	Trans-1,2- DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1- Trichloroe thane (µg/L)	1,1- Dichloroe thane (µg/L)	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	BOD (mg/L)	COD (mg/L)	TOC (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)
10/29/2007	5 U	0.7 J	220	1.9 J	0.38 J	130	0.43 J	1.5	100	5 U	0.69 J	5 U		2 U	5 UJ	3.81	226	236	1 U		
4/22/2008	5 U	0.46 J	180	1.3 J	5 U	76	0.48 J	1 J	96	5 U	0.54 J	5 U		2 U	12.7	4.22	87.4	198	1 U	0.05 U	0.05 U
4/23/2008																					
10/16/2009	5 U	5 U	420	3.1 J	5 U	120	5 U	2.7 J	110	5 U	5 U	5 U				3.8	121	239			
10/29/2009	5 U	5 U	370	3.8 J	5 U	150	5 U	2.2 J	94	5 U	5 U	5 U		2.1 U	16.5 J	4.6	107	245 J	0.16 U	0.1 U	0.05 U
12/16/2009	5 U	5 U	750	9	5 U	260	5 U	12	110	5 U	5 U	5 U				4.2	123 J	268 J			
2/10/2010	5 U	5 U	300	4 J	5 U	120	5 U	3.7 J	92	5 U	5 U	5 U				4.2 J	87.5	253			
3/30/2010	5 U	5 U	270	3.1 J	5 U	90				5 U	5 U	5 U									
5/6/2010	5 U	5 U	220	2 J	5 U	83	5 U	5 U	15 U	5 U	5 U	5 U		3.5 U	50 U	4.9	89.5 J	244 J	0.071 J	0.1 U	0.05 U
11/9/2010	5 U	5 U	1100	13	1.9 J	200	1.8 J	13	130	5 U	5 U	5 U				3.2	272	225			
10/26/2011	10 U	10 U	960	11	1.8 J	180	2.7 J	24	300	10 U	10 U	10 U	0.0459 J	3.5 U	13.4 J	3.4	189	259 J	0.16 U	0.1 U	0.05 U
3/12/2012	5 U	5 U	260	3 J	5 U	49	5 U	1.2 J	53	5 U	5 U	5 U	0.2 U			3.8	104	245			
6/14/2012	5 U	5 U	280	1.7 J	5 U	110	5 U	5.7	120	5 U	5 U	5 U	0.2 U	3.3 U	12.9 J	3.8	141	261	0.16 U	0.1 U	0.05 U
11/27/2012	5 U	5 U	630	5.8	5 U	130	5 U	11	160	5 U	5 U	5 U	0.2 U			3	194	265			
8/29/2013	5 U	5 U	230	1.5 J	5 U	120	5 U	9.2	220	5 U	5 U	5 U		3.1 UJ	24.7 J	2	156	246	0.16 U	0.1 U	0.05 U
1/17/2014	5 U	5 U	150	5 U	5 U	27	5 U	2 J	38	5 U	5 U	5 U	0.0884 J			7.9	128	250	0.16 U		
4/2/2014	1 U	1 U	190	0.7 J	1 U	22	5 U	2.3 J	38	1 U	1 U	1 U	0.076 J	3.2 U	50 U	4.8	133	256	0.16 U	0.1 U	0.05 U
10/14/2014	1 U	1 U	160	1 U	1 U	89	1.1 J	210	1100	1 UJ	1 U	1 U	0.05 J			5	137	215	1.3		
11/16/2015	1 U	1 U	190	0.68 J	1 U	190	2.1 J	190	2900	1 U	0.9 J	1 U	0.4 U	6 U	17.5 J	3	145	207	0.71	0.1 U	0.05 U
4/19/2016	1.0 U	1.0 U	220	1.1	1.0 U	6.1	5.0 U	5.0 U	9.1	1.0 U	1.0 U	1.0 U	0.400 U	3.6 U	26.7 J	2.9	160	272	0.10 U	0.087 J	0.050 U
9/13/2017	10 U	10 U	360	10 U	10 U	270	4.5	130	3900	10 U	10 UJ	10 U	0.24	2.0 U	17	3.2	150	230	1.0 U	0.50 U	0.050 U
4/25/2018	8.0 U	8.0 U	210	8.0 U	8.0 U	12	1.0 U	1.0 U	25	8.0 U	8.0 U	8.0 U	0.14 J	2.4 UJ	10 U	3.6	130	240	1.0 U	0.25 U	0.050 U
12/4/2019	20 U	20 U	420	4 J	20 U	180	1.8	27	1500	20 U	20 U	20 U	0.68	2.0 U	10 U	3	220	260	1.0 U	0.25 U	
3/18/2020	5.0 U	5.0 U	210	5.0 U	5.0 U	23	1.0 U	1.9	78	5.0 U	5.0 U	5.0 U	0.086 J	2.0 U	12	3.2	140	230	1.0 U	0.50 U	0.10 U
12/6/2021	10 U	10 U	220	10 U	10 U	370	170 U	150 U	1900	10 U	10 U	10 U	0.33	2.0 U	40	4.6	140	220	1.0 U	0.25 U	0.25 U
5/10/2022	6.3 U	6.3 U	320	6.3 U	6.3 U	140	1.1	25	2100	6.3 U	6.3 U	6.3 U	0.19 J	12 U	11	2.9	140	220	1.0 U	0.25 U	0.25 U
10/4/2023	5.0 U	5.0 U	320	5.0 U	5.0 U	260	1.3	40	3400	5.0 U	5.0 U	5.0 U	120 J	2.0 U	2.4 J	3.5	160	230	0.27 J	0.25 U	0.25 U
4/24/2024	5.0 U	5.0 U	310	5.0 U	5.0 UJ	130	0.79 J	18	1800	5.0 U	5.0 U	5.0 U	180 J	3.0 U	5.3 J	3.3	140 J+	220	1.0 U	0.10 UJ	0.10 UJ
10/22/2025	1.0 U	1.0 U	310	0.62 J	1.0 U	270	1.3	45	3200	1.0 U	0.6 J	1.0 U	100 J	2.0 UH	14	3	160	220	1.5	0.050 UH	0.050 UH

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UJ The analyte was not detected. The reporting limit is an approximate value.
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J+ Indicates estimated value, biased high.
D Result reported from a secondary dilution analysis.
R The sample results are rejected.

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
HYDE PARK FACILITY
NIAGARA, NEW YORK

Well ID: MW-11A

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2- DCE (µg/L)	Trans-1,2- DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1- Trichloroe thane (µg/L)	1,1- Dichloroe thane (µg/L)	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	BOD (mg/L)	COD (mg/L)	TOC (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)
10/29/2007	5 U	5 U	5 U	5 U	5 U	2 U				5 U	5 U	5 U									
4/22/2008	5 U	5 U	5 U	5 U	5 U	0.7 J				5 U	5 U	5 U									
10/30/2009	5 U	5 U	5 U	5 U	5 U	5 U				5 U	5 U	5 U									
5/11/2010	5 U	5 U	5 U	5 U	5 U	3.2 J	5 U	5 U	51	5 U	5 U	5 U									

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R The sample results are rejected.

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
HYDE PARK FACILITY
NIAGARA, NEW YORK

Well ID: MW-11B

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2- DCE (µg/L)	Trans-1,2- DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1- Trichloroe thane (µg/L)	1,1- Dichloroe thane (µg/L)	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	BOD (mg/L)	COD (mg/L)	TOC (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)
10/29/2007	5 U	5 U	140	1 J	5 U	80				5 U	0.39 J	5 U									
4/22/2008	5 U	5 U	100	0.77 J	5 U	64				5 U	5 U	5 U									
3/18/2009																3.8					
10/16/2009	5 U	5 U	64	5 U	5 U	73	5 U	14	170	5 U	5 U	5 U					172	221			
10/30/2009	5 U	5 U	56	5 U	5 U	48	5 U	15	150	5 U	5 U	5 U		1.8 U	21 J	3.4	165	207 J	0.3	0.1 U	0.05 U
12/16/2009	5 U	5 U	5.3	5 U	5 U	17	5 U	81	190	5 U	5 U	5 U				7.4	148 J	221 J			
2/10/2010	5 U	5 U	2.3 J	5 U	5 U	11	5 U	130	760	5 U	5 U	5 U				11.7 J	146	50.2			
3/30/2010	5 U	5 U	2.1 J	5 U	5 U	7.1				5 U	5 U	5 U									
5/6/2010	5 U	5 U	1.9 J	5 U	5 U	7.4	5 U	5 U	15 U	5 U	1.3 J	5 U		64.7 J	132	14.1	114 J	101 J	48.3	0.1 U	0.05 U
11/9/2010	5 U	5 U	1.4 J	5 U	5 U	4.3 J	5 U	57	1100	5 U	1.2 J	5 U				3.9	125	208			
10/26/2011	5 U	5 U	2.2 J	5 U	5 U	4.6 J	5 U	90	1500	5 U	1.8 J	5 U	0.0859 J	8.9	31.5 J	3.8	157	245 J	8.5	0.043 J	0.05 U
3/12/2012	5 U	5 U	1.4 J	5 U	5 U	6.7	1.3 J	72	5200	5 U	1.5 J	5 U	0.0711 J			9.5	117	118			
6/14/2012	5 U	5 U	1.8 J	5 U	5 U	6.1	2.6 J	110	7400	5 U	1.4 J	5 U	0.2 U	32	76.5	4.3	121	135	44.4	0.1 U	0.05 U
11/27/2012	5 U	5 U	0.83 J	5 U	5 U	2.5 J	3.9 J	130	6800	5 U	1.4 J	5 U	0.2 U			3.9	143	164			
8/29/2013	5 U	5 U	5 U	5 U	5 U	1.4 J				5 U	1.9 J	5 U									
1/14/2014	5 U	5 U	5 U	1.1 J	5 U	1.2 J	4 J	260	10000	5 U	2.5 J	5 U	0.4 U			8	141	120	23.8		
4/2/2014	1 U	1 U	1 U	0.92 J	1 U	1.2	3.5 J	280	8300	1 U	2	1 U	0.4 U			5.2	141	158	27.8		
10/14/2014	1 U	1 U	1 U	0.66 J	1 U	2.5	1.4 J	86	4200	1 UJ	1.2	1 U	0.4 U			5.3	143	160	11.1		
11/17/2015	1 U	1 U	0.56 J	0.57 J	1 U	1.7				1 U	1	1 U									
4/22/2016	1.0 U	1.0 U	0.54 J	0.76 J	1.0 U	9.7				1.0 U	1.7	1.0 U									
9/14/2017	1.0 U	1.0 U	1.1	1.0 U	1.0 U	6.5				1.0 U	0.95 J	1.0 U									
4/24/2018	1.0 U	1.0 U	0.65 J	0.74 J	1.0 U	1.9				1.0 U	1.9	1.0 U									

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J+ Indicates estimated value, biased high.
D Result reported from a secondary dilution analysis.
R The sample results are rejected.

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
HYDE PARK FACILITY
NIAGARA, NEW YORK

Well ID: MW-12A

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2- DCE (µg/L)	Trans-1,2- DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1- Trichloroe thane (µg/L)	1,1- Dichloroe thane (µg/L)	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	BOD (mg/L)	COD (mg/L)	TOC (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)
10/29/2007	5 U	5 U	150	1.3 J	0.49 J	39				5 U	3.2 J	5 U									
4/22/2008	5 U	5 U	130	1 J	0.32 J	23				5 U	2 J	5 U									
11/2/2009	5 U	5 U	64	5 U	5 U	38				5 U	2.7 J	5 U									
5/11/2010	5 U	5 U	16	5 U	5 U	16	5 U	14	140	5 U	1.6 J	5 U									
10/20/2011	5 U	5 U	19	5 U	5 U	16				5 U	1.8 J	5 U									
6/13/2012	5 U	5 U	19	5 U	5 U	13				5 U	1.8 J	5 U									
8/29/2013	5 U	5 U	22	5 U	5 U	14	5.6	7.2	210	5 U	1.9 J	5 U		4.4 U	311	5.5	80.7	204	0.16 U	0.1 U	0.05 U
4/3/2014	1 U	1 U	8.9	1 U	1 U	6.8	5 U	2.4 J	140	1 U	0.89 J	1 U	0.962	4.7 U	15 J	5.6	69	179	0.16 U	0.14 J-	0.05 U
11/17/2015	1 U	1 U	1.6	1 U	1 U	9.6	5 U	5 U	140	1 U	0.7 J	1 U	2.27	3.8 U	26.7 J	7.7	63.6	119	0.079 J	0.1 U	0.05 U
4/22/2016	1.0 U	1.0 U	9.5	1.0 U	1.0 U	8.8	5.0 U	1.8 J	170	1.0 U	1.1	1.0 U	0.847	3.4 UJ	19.8 J	3.4	96	192	0.10 U	0.10 U	0.050 U
9/14/2017	1.0 U	1.0 U	21	0.34 J	1.0 U	13	0.31 J	2.7	210	1.0 U	1.6	1.0 U	1.5	2.0 U	49	4.2	330	650	1.0 U	1.0 U	0.050 U
4/24/2018	1.0 U	1.0 U	16	1.0 U	1.0 U	9.2	1.0 U	2	200	1.0 U	0.91 J	1.0 U	0.6	2.0 U	11	3.9	82	190	1.0 U	0.25 UJ	0.050 UJ

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J+ Indicates estimated value, biased high.
D Result reported from a secondary dilution analysis.
R The sample results are rejected.

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
HYDE PARK FACILITY
NIAGARA, NEW YORK

Well ID: MW-12B

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2- DCE (µg/L)	Trans-1,2- DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1- Trichloroe thane (µg/L)	1,1- Dichloroe thane (µg/L)	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	BOD (mg/L)	COD (mg/L)	TOC (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)
10/29/2007	5 U	5 U	110	1 J	5 U	76				5 U	1.8 J	5 U									
4/21/2008	5 U	5 U	140	1.6 J	0.31 J	70				5 U	1.6 J	5 U									
11/2/2009	5 U	5 U	2.6 J	5 U	5 U	5 U				5 U	5 U	5 U									
5/11/2010	5 U	5 U	11	5 U	5 U	5 U	5 U	5 U	15 U	5 U	5 U	5 U									
11/9/2010	5 U	5 U	59	5 U	5 U	71	1.2 J	3.3 J	120	5 U	5 U	5 U				3.2	149	312			
10/20/2011	5 U	5 U	0.98 J	5 U	5 U	5 U				5 U	5 U	5 U									
6/13/2012	5 U	5 U	5.6	5 U	5 U	10				5 U	5 U	5 U									
8/29/2013	5 U	5 U	45	5 U	5 U	73	5 U	15	160	5 U	5 U	5 U		4.2 U	17.9 J	4.1	143	230	0.093 J	0.1 U	0.05 U
4/3/2014	1 U	1 U	57	1 U	1 U	75	5 U	9.7	190	1 U	1 U	1 U	0.4 U	4.1 U	50 U	5.4	149	201	0.16 U	0.1 UJ	0.05 U
11/16/2015	1 U	1 U	13	1 U	1 U	9.1	5 U	5 U	25	1 U	1 U	1 U	0.111 J	4.7 U	22.1 J	9.2	148	244	0.16 U	0.2 J+	0.039 J
4/22/2016	1.0 U	1.0 U	73	1.0 U	1.0 U	59	5.0 U	2.6 J	200	1.0 U	1.0 U	1.0 U	0.0618 J	3.5 UJ	19.8 J	3	177	204	0.10 U	0.10 U	0.050 U
9/14/2017	2.0 U	2.0 U	52	2.0 U	2.0 U	110	0.45 J	3.9	140	2.0 U	0.66 J	2.0 U	0.032 J	2.0 U	17	2.7	280	530	1.0 U	0.50 U	0.050 U
4/25/2018	2.5 U	2.5 U	62	2.5 U	2.5 U	73	1.0 U	4.4	340	2.5 U	2.5 U	2.5 U	0.027 J	2.0 U	12	3.5	150	190	1.0 U	0.25 U	0.050 U
12/5/2019	2.5 U	2.5 U	65	2.5 U	2.5 U	94	0.89 J	5.3	210	2.5 U	2.5 U	2.5 U	0.20 U	2.0 U	10 U	2.8	150	240	1.0 U	0.25 U	
3/19/2020	2.0 U	2.0 U	51	2.0 U	2.0 U	85	1.0 U	5.9	410	2.0 U	0.41 J	2.0 U	0.2 U		7.3 J	3.1	150	220	0.67 J	0.50 UJ	0.10 UJ
12/7/2021	1.0 UJ	1.0 UJ	73 J-	1.0 UJ	1.0 UJ	49 DJ-	7.5 U	4.1 J	330	1.0 UJ	0.4 J-	1.0 UJ	0.048 J	2.0 U	100	6.3	77	72	1.0 U	0.24	0.050 U
5/11/2022	1.0 U	1.0 U	52	1.0 U	1.0 U	73 DJ	0.91 J	6.2	360	1.0 U	0.48 J	1.0 U	0.2 U	6.0 U	13	2.8	180	220	1.0 U	0.10 UJ	0.050 UJ
10/4/2023	1.0 U	1.0 U	53	1.0 U	1.0 U	100 D	0.81 J	6.9	240	1.0 U	1.0 U	1.0 U	200 U	2.0 U	10 U	3.1	170	240	1.0 U	0.25 UJ	0.25 UJ
4/23/2024	2.0 U	2.0 U	44	2.0 U	2.0 U	91	0.7 J	5.8	310	2.0 U	2.0 U	2.0 U	200 U	2.0 U		3.1	210 J+	220	1.0 U	0.25 U	0.050 UJ
10/22/2025	1.0 U	1.0 U	42	1.0 U	1.0 U	88	0.58 J	6	200	1.0 U	1.0 U	1.0 U	200 U	2.0 UH	11	2.7	190	250	1.9 J	0.050 UHF2	0.050 UH

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D Result reported from a secondary dilution analysis.
R The sample results are rejected.

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
HYDE PARK FACILITY
NIAGARA, NEW YORK

Well ID: MW-13A

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2- DCE (µg/L)	Trans-1,2- DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1- Trichloroe thane (µg/L)	1,1- Dichloroe thane (µg/L)	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	BOD (mg/L)	COD (mg/L)	TOC (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)
10/30/2007	5 U	5 U	5 U	5 U	5 U	2 U				5 U	5 U	5 U									
4/29/2008																					
10/29/2009	5 U	5 U	5 U	5 U	5 U	5 U				5 U	5 U	5 U									

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MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
HYDE PARK FACILITY
NIAGARA, NEW YORK

Well ID: MW-13B

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2- DCE (µg/L)	Trans-1,2- DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1- Trichloroe thane (µg/L)	1,1- Dichloroe thane (µg/L)	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	BOD (mg/L)	COD (mg/L)	TOC (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)
10/30/2007	5 U	0.78 J	82	1.1 J	5 U	59				5 U	0.61 J	5 U									
4/24/2008	5 U	0.65 J	65	0.51 J	5 U	56				5 U	0.48 J	5 U									
10/29/2009	5 U	5 U	88	5 U	5 U	68				5 U	5 U	5 U									
5/13/2010	5 U	5 U	46	5 U	5 U	47	5 U	1 J	65	5 U	5 U	5 U									
10/21/2011	5 U	5 U	17	5 U	5 U	24				5 U	5 U	5 U									
6/13/2012	5 U	5 U	27	5 U	5 U	57				5 U	5 U	5 U									
8/30/2013	5 U	5 U	8.6	5 U	5 U	48				5 U	5 U	5 U									
4/3/2014	1 U	1 U	19	1 U	1 U	15				1 UJ	1 U	1 U									
11/17/2015	1 U	1 U	18	1 U	1 U	21				1 U	1 U	1 U									
4/21/2016	1.0 U	1.0 U	9.9	1.0 U	1.0 U	12				1.0 U	1.0 U	1.0 U									
9/13/2017	1.0 U	1.0 U	22	1.0 U	1.0 U	38				1.0 U	1.0 UJ	1.0 U									
4/24/2018	1.0 U	1.0 U	7.8	1.0 U	1.0 U	9.7				1.0 U	1.0 U	1.0 U									
12/3/2019	1.0 U	0.19 J	16	1.0 U	1.0 U	21				1.0 U	0.17 J	1.0 U									
3/19/2020	1.0 U	1.0 U	1.6	1.0 U	1.0 U	2				1.0 U	1.0 U	1.0 U									
12/6/2021	2.0 U	2.0 U	3.7	2.0 U	2.0 U	6.4				2.0 U	2.0 U	2.0 U									
5/11/2022	1.0 U	1.0 U	4.1	1.0 U	1.0 U	5.2				1.0 U	1.0 U	1.0 U									
10/4/2023	1.0 U	1.0 U	9.9	1.0 U	1.0 U	18				1.0 U	1.0 U	1.0 U									
4/24/2024	1.0 U	1.0 U	4.3	1.0 U	1.0 U	11				1.0 U	1.0 U	1.0 U									
10/22/2025	1.0 U	1.0 U	6.2	1.0 U	1.0 U	10				1.0 U	1.0 U	1.0 U									

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MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
HYDE PARK FACILITY
NIAGARA, NEW YORK

Well ID: MW-14A

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2- DCE (µg/L)	Trans-1,2- DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1- Trichloroe thane (µg/L)	1,1- Dichloroe thane (µg/L)	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	BOD (mg/L)	COD (mg/L)	TOC (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)
10/30/2007	5 U	5 U	1.6 J	5 U	5 U	2.4				5 U	5 U	5 U									
4/24/2008	5 U	5 U	1.5 J	5 U	5 U	1.6 J	0.64 J	1 U	15	5 U	5 U	5 U		2 U	18.8	5.38	68	118	1 U	0.05 U	0.05 U
10/29/2009	5 U	5 U	1.4 J	5 U	5 U	2.7 J	5 U	5 U	17	5 U	5 U	5 U		1.4 U	21 J	4.2	63.9	150 J	0.16 U	0.28	0.05 U

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MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
HYDE PARK FACILITY
NIAGARA, NEW YORK

Well ID: MW-14B

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2- DCE (µg/L)	Trans-1,2- DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1- Trichloroe thane (µg/L)	1,1- Dichloroe thane (µg/L)	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	BOD (mg/L)	COD (mg/L)	TOC (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)
10/30/2007	5 U	5 U	56	0.42 J	5 U	49	2 U	2 U	110	5 U	0.6 J	5 U		2 U	6.58 J	4.07	119	263	1 U		
4/24/2008	5 U	5 U	120	0.81 J	5 U	90	1 U	1.5 J	170	5 U	0.41 J	5 U		2 U	10.1	2.95	136	222	1 U	0.05 U	0.05 U
10/29/2009	5 U	5 U	64	5 U	5 U	86	5 U	2.2 J	130	5 U	5 U	5 U		2.1 U	23.3 J	3.5	133	310 J	0.5	0.1 U	0.05 U
5/13/2010	5 U	5 U	16	5 U	5 U	33	100 U	170	3400	5 U	5 U	5 U		53.6	137	14.6	143	103	46.9	0.1 U	0.05 U
10/24/2011	5 U	5 U	4.1 J	5 U	5 U	5.4	5 U	66	690	5 U	5 U	5 U	0.0264 J	5.2 U	36 J	7	260	274	3	0.1 U	0.05 U
6/13/2012	5 U	5 U	1.5 J	5 U	5 U	5.4	2.2 J	91	9100	5 U	5 U	5 U	0.027 J	33	117	10.2	241	126	48.2	0.1 U	0.05 U
8/29/2013	5 U	5 U	5 U	5 U	5 U	1.5 J				5 U	5 U	5 U									
4/3/2014	1 U	1 U	0.67 J	1 U	1 U	1.2				1 UJ	1 U	1 U									
11/18/2015	1 U	1 U	0.95 J	1 U	1 U	1.5				1 U	0.53 J	1 U									
4/21/2016	1.0 U	1.0 U	0.94 J	1.0 U	1.0 U	1.2				1.0 U	1.0 U	1.0 U									
9/14/2017	1.0 U	1.0 U	0.92 J	1.0 U	1.0 U	2.9				1.0 U	0.43 J	1.0 U									
4/24/2018	1.0 U	1.0 U	0.72 J	1.0 U	1.0 U	1.3				1.0 U	0.34 J	1.0 U									
12/5/2019	1.0 U	1.0 U	0.37 J	1.0 U	1.0 U	0.7 J				1.0 U	0.19 J	1.0 U									
3/18/2020	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1				1.0 U	0.24 J	1.0 U									
12/7/2021	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.9				1.0 U	1.0 U	1.0 U									
5/11/2022	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.1				1.0 U	1.0 U	1.0 U									
10/4/2023	1.0 U	1.0 U	0.6 J	1.0 U	1.0 U	2.2				1.0 U	1.0 U	1.0 U									
4/24/2024	1.0 U	1.0 U	0.75 J	1.0 U	1.0 U	1.9				1.0 U	1.0 U	1.0 U									
10/22/2025	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.6				1.0 U	1.0 U	1.0 U									

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D Result reported from a secondary dilution analysis.
R The sample results are rejected.

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
HYDE PARK FACILITY
NIAGARA, NEW YORK

Well ID: MW-15

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2- DCE (µg/L)	Trans-1,2- DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1- Trichloroe thane (µg/L)	1,1- Dichloroe thane (µg/L)	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	BOD (mg/L)	COD (mg/L)	TOC (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)
10/30/2007	5 U	5 U	170	1.7 J	5 U	86				5 U	0.66 J	5 U									
4/23/2008	5 U	5 U	190	1.5 J	5 U	93				5 U	0.58 J	0.38 J									
11/3/2009	5 U	5 U	56	1.1 J	5 U	82				5 U	2 J	5 U									
5/12/2010	5 U	5 U	5.9	5 U	5 U	17	1.1 J	140	1300	5 U	1.3 J	5 U									
10/21/2011	5 U	5 U	32	1.3 J	5 U	52				5 U	1.4 J	5 U									
6/14/2012	5 U	5 U	5 U	5 U	5 U	1.8 J				5 U	1.2 J	5 U									
8/29/2013	5 U	5 U	5 U	5 U	5 U	2 J				5 U	5 U	5 U									
6/14/2018	1.0 U	1.0 UJ	5.2	0.62 J	1.0 UJ	16				1.0 U	1.1	1.0 U									
4/24/2024	1.0 U	1.0 U	16	0.56 J	1.0 UJ	20	8.1	20	5300	1.0 U	1.6	1.0 U	200 U	6.7	22	3.2	170 J+	220	4	0.10 UJ	0.10 UJ

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D Result reported from a secondary dilution analysis.
R The sample results are rejected.

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
HYDE PARK FACILITY
NIAGARA, NEW YORK

Well ID: MW-16A

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2-DCE (µg/L)	Trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1-Trichloroethane (µg/L)	1,1-Dichloroethane (µg/L)	Chloroethane (µg/L)	Dissolved Iron (mg/L)	BOD (mg/L)	COD (mg/L)	TOC (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)
10/31/2007	5 U	0.39 J	12	5 U	5 U	160	0.87 J	15	18	5 U	5 U	5 U		2 U	23.2 J	6.93	278	981	1.2		
4/25/2008	5 U	0.39 J	9	5 U	5 U	53	1 U	0.62 J	4.5	5 U	5 U	5 U		2 U	20.4	6.5	209	1020	1 U	0.05 U	0.05 U
10/27/2009	5 U	5 U	8.2	5 U	5 U	75	5 U	4.7 J	11 J	5 U	5 U	5 U		1.7 U	41.6 J	7.2	247 J	1060	0.16 U	0 R	0.05 U
5/11/2010	5 U	5 U	10	5 U	5 U	180	5 U	20	20	5 U	5 U	5 U		2 U	40.7 J	7	260	1040	0.16 U	0.1 U	0.05 U
10/27/2011	5 U	5 U	11	5 U	5 U	340	5 U	44	33	5 U	5 U	5 U	0.0424 J		31.5 J	6.9	266	1130	0.16 U	0.1 U	0.05 U
3/14/2012																					
3/15/2012	5 U	5 U	7.2	5 U	5 U	12	5 U	1.3 J	15 U	5 U	5 U	5 U	0.044 J			8.1	245	1110			
6/14/2012	5 U	5 U	8.4	5 U	5 U	110	5 U	11	8.7 J	5 U	5 U	5 U	0.2 U	5.4	26.5 J	9.5	237	1100			
11/29/2012	5 U	5 U	10	5 U	5 U	330	1.2 J	79	40	5 U	5 U	5 U	0.2 U			7.7	255	1100			
8/29/2013	5 U	5 U	8.5	5 U	5 U	300	1.1 J	72	29	5 U	5 U	5 U		3.8 U	31.5 J	8.2	252	1080	0.16 U	0.1 U	0.05 U
1/15/2014	5 U	5 U	9	5 U	5 U	78	5 U	6.4	5 U	5 U	5 U	5 U	0.4 U			9.5	190 J+	812 J+	0.16 U		
4/2/2014	1 U	1 U	5.9	1 U	1 U	140	5 U	20	5 U	1 U	1 U	1 U	0.4 U	4.4 U	24.1 J	7.3	214	898	0.16 U	0.1 U	0.14
10/14/2014	1 U	1 U	8.6	1 U	1 U	350	5 U	52	9.5	1 UJ	1 U	1 U	0.491			9.1	221	958	0.16 U		
11/20/2015	1 U	1 U	9.1	1 U	1 U	250	1.2 J	95	49	1 U	1 U	1 U	0.4 U	5.2 U	33.6 J	6.5	290	1080	0.16 U	0.1 U	0.05 U
4/20/2016	1.0 U	1.0 U	6.5	1.0 U	1.0 U	18	5.0 U	1.1 J	5.0 U	1.0 U	1.0 U	1.0 U	0.400 U	2.9 U	33.6 J	6.2	907	1140	0.10 U	0.14	0.050 U
9/12/2017	10 U	10 U	7.3 J	10 U	10 U	190	0.47 J	33	28	10 U	10 U	10 U	0.100 U	2.0 U	28	6.4	250	1000	1.0 U	0.50 U	0.050 UJ
4/26/2018	1.0 U	1.0 U	1.4	1.0 U	1.0 U	33	1.0 U	13	12	1.0 U	1.0 U	1.0 U	0.026 J	2.0 U	17 J	5.8	48	190	1.0 U	0.21 J	0.050 U
12/3/2019	4.0 U	0.6 J	3.6 J	4.0 U	4.0 U	120	1	49	77	4.0 U	4.0 U	4.0 U	0.20 U	2.0 U	18	6.1	170	810	1.0 U	0.50 U	
3/20/2020	13 U	13 U	8.7 J	13 U	13 U	560	3.1	270	290	13 U	13 U	13 U	0.43	2.0 U	17	6.7	210	1000	1.0 U	1.0 U	0.10 U
12/7/2021	5.0 U	5.0 U	8.2	5.0 U	5.0 U	260	7.5 U	77	160	5.0 U	5.0 U	5.0 U	0.024 J	2.0 U	52	11	190	930	1.0 U	0.42	0.050 U
5/11/2022	1.0 U	1.0 U	8.1	1.0 U	1.0 U	290 D	2.6	160	320	1.0 U	1.0 U	1.0 U	0.2 U	6.0 U	18	6.4	160	850	1.0 U	0.10 UJ	0.050 UJ
10/5/2023	1.0 U	1.0 U	0.98 J	1.0 U	1.0 U	37	1.8	170	370	1.0 U	1.0 U	1.0 UJ	490	2.0 U	18	5	40	190	1.0 U	1.3	0.25 U
4/22/2024	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	17	1.1	82	200	1.0 U	1.0 U	1.0 U	880	2.1	8.5 J	4.6	59 J+	270	1.0 U	0.25 U	0.25 U
10/23/2025	1.0 U	1.0 U	0.57 J	1.0 U	1.0 U	35	0.7 J	34	140	1.0 U	1.0 U	1.0 U	660	3.2 HH3	49	16	31	100	1.0 U	0.10 UHH3F1	0.087 JHH3

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R The sample results are rejected.

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
HYDE PARK FACILITY
NIAGARA, NEW YORK

Well ID: MW-16B

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2- DCE (µg/L)	Trans-1,2- DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1- Trichloroe thane (µg/L)	1,1- Dichloroe thane (µg/L)	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	BOD (mg/L)	COD (mg/L)	TOC (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)
10/31/2007	5 U	5 U	210	0.88 J	5 U	63	1 U	3.7	190	5 U	5 U	5 U		2 U	5 UJ	3.7	114	269			
11/29/2007																			1 U		
4/25/2008	5 U	0.25 J	280	1.4 J	0.33 J	86	0.7 J	3.1	220	5 U	0.22 J	5 U		2 U	10.1	3.81	106	264	1.1	0.05 U	0.05 U
10/27/2009	5 U	5 U	510	1.8 J	5 U	130	5 U	3.2 J	150	5 U	5 U	5 U		1.8 U	18.8 J	3.7	120 J	286	0.22	0 R	0.05 U
5/11/2010	5 U	5 U	81	5 U	5 U	48	5 U	2.3 J	150	5 U	5 U	5 U		2.1 U	15.6 J	3.8	105	247	0.3	0.1 U	0.05 U
11/8/2010	5 U	5 U	320	1.4 J	5 U	110	5 U	5 U	120	5 U	5 U	5 U				3.7	114	264			
10/25/2011	5 U	5 U	27	5 U	5 U	43	5 U	3.8 J	140	5 U	5 U	5 U	0.2 U	2.6 U	50 U	3.5	134 J	303 J	0.38	0.1 U	0.05 U
3/15/2012	50 U	45 J	9000	36 J	23 J	830	3.1 J	73	2400	50 U	50 U	50 U	0.0585 J			17.5	78.4	96.6			
6/13/2012	10 U	74	4700	19	15	600	2.5 J	74	2600	10 U	4 J	2.6 J	0.2 U	24.6	65.1	4.1	81.5	165	33.1	0.1 U	0.05 U
11/27/2012	50 U	430	6800	24 J	29 J	820	5.6	190	3600	50 U	50 U	50 U	0.0908 J			3.5	82.8	191			
8/28/2013	5 U	2.2 J	600	5.2	2.4 J	610	5 U	75	670	5 U	1 J	5 U		5.1 U	15.6 J	3.8	90.1 J	219	1.1	0.1 U	0.05 U
1/14/2014	25 U	25 U	8800	53	17 J	5500	15	1500	18000	25 U	15 J	25 U	0.214 J			194	44.8	5 U	50.9		
4/3/2014	5 U	5 U	2300	16	5.5	2000	11	700	16000	5 U	3.4 J	5 U	0.0956 J	140	253	69.2	26.9	17.7	38.3	0.1 UJ	0.05 U
10/13/2014	1 U	1 U	17	8.8	1 U	22	13	610	21000	1 U	2.9	1 U	0.372 J			211	43.3	21.6	17.2		
11/20/2015	1 U	4.8	1100	22	2.2	780	40	920	24000	1 U	6.6	1 U	0.4 U	105	215	47.3	70.6	4.2	36.5	0.1 U	0.05 UJ
4/20/2016	1.0 U	1.0 U	1.0 U	6.8	1.0 U	4.3	17	300	31000 D	1.0 U	2	1.0 U	0.400 U	62.4	201	26.5	73.8	8.2	50.5	0.10 U	0.050 U
9/12/2017	1.0 U	1.0 U	1.0 U	0.44 J	1.0 U	2.6	15	34	8200 D	1.0 U	0.39 J	1.0 U	0.100 U	39	99	6.8	120	120	29	0.25 U	0.050 UJ
4/26/2018	1.0 U	1.0 U	0.63 J	1.0 U	1.0 U	4.6	1.0 U	2.8	9900 D	1.0 U	1.0 U	1.0 U	0.200 U	13	49	5.7	120	230	6.9	0.25 U	0.050 U
12/3/2019	1.0 U	1.0 U	1	1.0 U	1.0 U	6.7	4.2	17	9300 D	1.0 U	1.0 U	1.0 U	0.20 U	14	25	4	110	220	9.5	0.25 U	
3/20/2020	1.0 U	1.0 U	0.6 J	1.0 U	1.0 U	2.9	1.5	1.1	14000 D	1.0 U	1.0 U	1.0 U	0.048 J	17	32	3.4	120	250	13	0.50 U	0.10 U
12/7/2021	1.0 U	1.0 U	2.1	1.0 U	1.0 U	6.5	170 U	150 U	8000	1.0 U	1.0 U	1.0 U	0.54	6.4	16	7.2	130	230	4.8	0.050 U	0.050 U
5/11/2022	1.0 U	1.0 U	13	1.0 U	1.0 U	23	5.9	24	11000 D	1.0 U	1.0 U	1.0 U	0.2 U	16	36	4	130	250	7.3	0.10 UJ	0.050 UJ
10/5/2023	1.0 U	1.0 U	2.5	1.0 U	1.0 U	7.1	1.3	4.4	12000	1.0 U	1.0 U	1.0 U	200 U	8.1	32	4.2	140	230	7.9	0.25 U	0.25 U
4/22/2024	1.0 U	1.0 U	3.4	1.0 U	1.0 U	6	0.82 J	2.3	7700	1.0 U	1.0 U	1.0 U	230	3	25	5.5	99 J+	160 J+	4.2	0.25 U	0.25 U
10/23/2025	1.0 U	1.0 U	2.5	1.0 U	1.0 U	5.6	2.4	3.3	7700	1.0 U	1.0 U	1.0 U	120 J	7.8 H	51	15	120	130	4.3	0.10 UH	0.10 UH

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MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
HYDE PARK FACILITY
NIAGARA, NEW YORK

Well ID: MW-17A

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2-	Trans-1,2-	1,1-DCE (µg/L)	Vinyl	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1-	1,1-	Chloro ethane (µg/L)	Iron (mg/L)	BOD (mg/L)	COD (mg/L)	TOC (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)
			DCE (µg/L)	DCE (µg/L)		Trichloroe thane (µg/L)				Dichloroe thane (µg/L)											
11/1/2007	5 U	38	160	1.9 J	10	12	1 U	0.42 J	60	5 U	19	5 U		2 U	11.4 J	2.51	1400	134	1 U		
4/28/2008	5 U	29	200	1.5 J	9.1	28	1 U	1.5	77	5 U	20	5 U		2 U	11	2.2	1120	153	1 U	0.05 U	0.05 U
8/12/2008	5 U	40	190	2.5 J	11	24	5 U	1.5 J	120	5 U	21					2.4	1250	168			
10/7/2008	5 U	43	200	3.5 J	13	23	5 U	1.3 J	120 J	5 U	23	5 U				2.2	1270 J	165			
12/10/2008	5 U	39	210	2.2 J	12	27	5 U	1.1 J	65	5 U	25	5 U				2.2	1070	161			
1/26/2009	5 U	32	210	2.1 J	11	29	5 U	1.4 J	88	5 U	23	5 U									
3/16/2009	5 U	29	210	2.5 J	12	28	5 U	1.4 J	78	5 U	20	5 U				2.3	1220	170			
10/20/2009	5 U	24	200	2.2 J	14	24	5 U	5 U	120	5 U	29	5 U				3.1	1080 J	198 J			
10/28/2009	5 U	22	180	1.6 J	14	25	5 U	5 U	97	5 U	30	5 U	1.9 U	59.9 J	2.9	1130 J	192	0.16 U	0 R	0.05 U	
12/11/2009	5 U	11	200	1.4 J	13	29	5 U	5 U	100	5 U	28	5 U				3.1	1060 J	217 J			
2/9/2010	5 U	14	210	1.3 J	11	34	5 U	5 U	110	5 U	24	5 U				3.7 J	962	194			
3/30/2010	5 U	11	180	1.7 J	10	24				5 U	20	5 U									
5/6/2010	5 U	15	210	1.4 J	11	27	5 U	5 U	15 U	5 U	20	5 U	3.6 U	29.3 J	2.9	729 J	196 J	0.16 U	0.1 U	0.05 U	
11/11/2010	5 U	16	200	1.9 J	13	28	1.5 J	8.5	2100	5 U	27	5 U				3.1	661	195			
10/24/2011	5 U	11	160	1.2 J	12	30	11	3.2 J	4900	5 U	26	5 U	0.2 U	5.1	33.8 J	3.9	1010	189	0.16 U	0.1 U	0.05 U
6/12/2012	5 U	5.3	140	1.2 J	8.1	25	12	3.1 J	8500	5 U	21	5 U	0.2 U	5.9	28.8 J	4.4	484	172	0.16 U	0.1 U	0.05 U
8/28/2013	5 U	3.1 J	180	5 U	6.3	45	11	8.8	12000	5 U	22	5 U		9.8	27 J	3.8	318 J	151	0.16 U	0.1 U	0.05 U
4/3/2014	1 U	0.62 J	150	1 U	3.6	49	14	17	18000	1 UJ	16	1 U	2.14	8.5	49.3 J	5.1	277	145	0.16 U	0.1 UJ	0.05 U
11/18/2015	1 U	1 U	160	1 U	1 U	86	12	11	15000	1 U	18	1 U	1.45	7.3	15.2 J	3	167	114	0.16 U	0.1 U	0.05 U
4/20/2016	1.0 U	1.0 U	110	1.0 U	1.0 U	89	7.4	11	15000 D	1.0 U	15	1.0 U	0.955	7.8	26.7 J	3.2	161	131	0.10 U	0.10 U	0.050 U
9/12/2017	5.0 U	5.0 U	120	5.0 U	5.0 U	120	5.5	8.4	3700 D	5.0 U	17	5.0 U	0.92	3.4	17	3	82	97	1.0 U	0.25 U	0.050 UJ
4/25/2018	5.0 U	5.0 U	59	5.0 U	5.0 U	91	10 U	10 U	13000	5.0 U	11	5.0 U	1	4.8 J	19	3.7	92	100	1.0 U	0.25 U	0.050 U
12/5/2019	2.0 U	2.0 U	50	2.0 U	2.0 U	83	11	17	9400 D	2.0 U	13	2.0 U	0.55	4.2	10 U	2.8	57	67	1.0 U	0.25 U	
3/19/2020	2.0 U	2.0 U	38	2.0 U	2.0 U	78	17	21	17000 D	2.0 U	12	2.0 U	0.7		7.6 J	2.7	53	70	1.0 U	0.50 UJ	0.10 UJ
12/8/2021	4.0 U	4.0 U	48	4.0 U	4.0 U	110	9.4	14	12000	4.0 U	13	4.0 U	0.69	6.0 U	52	4.1	32	55	1.0 U	0.25 U	0.25 U
5/12/2022	1.0 U	1.0 U	36	1.0 U	1.0 U	83 D	15	20	16000 D	1.0 U	11	1.0 U	0.72	5.5	8.8 J	2.4	31	56	1.0 U	0.10 UJ	0.050 UJ
10/5/2023	1.0 U	1.0 U	30	1.0 U	1.0 U	73 DJ	8.9	21	13000	1.0 U	11	1.0 UJ	540	4.4	9.5 J	2.8	16	41	1.0 U	0.25 U	0.25 U
4/23/2024	2.0 U	2.0 U	23	2.0 U	2.0 U	69	11	22	14000	2.0 U	11	2.0 U	680	6.3		2	23 J+	49 J+	1.0 U	0.10 U	0.10 U
10/23/2025	2.0 U	2.0 U	21	2.0 U	2.0 U	68	6.9	18	8700	2.0 U	9.7	2.0 U	460	9 H	2.6 J	2.3	16	43	1.0 U	0.10 UH	0.10 UH

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MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
HYDE PARK FACILITY
NIAGARA, NEW YORK

Well ID: MW-17B

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2- DCE (µg/L)	Trans-1,2- DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1- Trichloroe thane (µg/L)	1,1- Dichloroe thane (µg/L)	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	BOD (mg/L)	COD (mg/L)	TOC (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)
11/1/2007	5 U	4 J	440	3.4 J	3.4 J	64	0.66 J	2.8	180	5 U	9.3	5 U		2 U	9.7 J	3.31	431	209	1 U		
4/28/2008	5 U	4.6 J	630	8.5	5.5	82	0.53 J	4	160	5 U	17	5 U		2 U	10.4	3.06	475	211	1 U	0.05 U	0.05 U
10/8/2008	5 U	3.3 J	600	5.9	4.4 J	120	5 U	6.6	170 J	5 U	22	5 U				55.7	561 J	169			
12/10/2008	5 U	2.6 J	260	3.1 J	2.9 J	170	5 U	33	120	5 U	28	5 U				3	802	180			
1/26/2009	5 U	2.1 J	280	4.2 J	3.1 J	210	5 U	61	130	5 U	24	5 U									
3/17/2009	5 U	1.6 J	270	3.6 J	3.2 J	180	5 U	71	180	5 U	22	5 U				3.5	631	275			
10/20/2009	5 U	4.2 J	280 J	2.4 J	4.5 J	73	3 J	22	120	5 U	29	5 U				3	768 J	204 J			
10/28/2009	5 U	3.1 J	280	2.2 J	3.1 J	69	2 J	14	89	5 U	26	5 U		2.2 U	53.1 J	3.1	720 J	195	0.1 J	0 R	0.05 U
12/11/2009	5 U	2.2 J	170	2.4 J	5 U	160	2.4 J	130	300	5 U	8.4	5 U				264	171 J	18.3 J			
2/9/2010	5 U	1.2 J	31	1.8 J	5 U	52	4.2 J	190	4400	5 U	31	5 U				122 J	727	32.2			
3/30/2010	5 U	5 U	5.9	1.7 J	5 U	10				5 U	37	5 U									
5/6/2010	5 U	5 U	8.5	1.4 J	5 U	9.6	5 U	5 U	15 U	5 U	45	5 U		157 J	219	12.7	883 J	49.7 J	14.3	0.1 U	0.05 U
11/10/2010	5 U	5 U	8.1	0.86 J	5 U	8.8	16	110	4200	5 U	40	5 U				4.5	981	118			
10/26/2011	5 U	5 U	19	0.82 J	5 U	27	70	81	15000	5 U	48	1.4 J	0.102 J	5.7	45.1 J	3.2	966	154 J	4.5	0.1 U	0.05 U
3/13/2012	5 U	5 U	14	1.1 J	5 U	15	44	83	18000	5 U	46	1.3 J	0.0442 J			10.9	682	118			
6/12/2012	5 U	5 U	20	0.82 J	5 U	18	45	72	23000	5 U	43	1.5 J	0.19 J	9.6	49.2 J	3.8	739	116	11.6	0.1 U	0.05 U
11/27/2012	5 U	5 U	28 J	5 U	5 U	31	41	79	19000	5 U	35 J	5 U	0.172 J			3.2	669	130			
8/28/2013	5 U	5 U	35	5 U	5 U	40	29	56	19000	5 U	38	5 U		12.7	40.6 J	3.6	521 J	138	1.2	0.1 U	0.05 U
1/15/2014	5 U	5 U	1.8 J	1.5 J	5 U	2.9 J	7.2	52	19000	5 U	7.9	11	54.8			454	351 J+	5 U	6.3		
4/1/2014	1 U	1 U	1.3	0.73 J	1 U	2.1	13	34	20000	1 U	8.2	7.4	16.6	139	228	55.1	288	6.9	8.2 J-	0.1 U	0.016 J
10/14/2014	1 U	1 U	0.52 J	0.71 J	1 U	1.1	8.3	17	16000	1 UJ	3.3	8.2	15.5			38.4	386	5 U	4.1		
11/18/2015	1 U	1 U	1 U	1 U	1 U	0.8 J	8.5	8.9	14000	1 U	1.5	7.9	13.4	17.6	102	18.8	374	2.5 J	1.4	0.1 U	0.05 U
4/21/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.88 J	8	7	18000 D	1.0 U	1.7	6.7	17.3	20.4	103	25	327	7.2	1	0.10 U	0.050 U
9/12/2017	1.0 U	0.68 J	10	0.45 J	1.0 U	12	3.5	4.6	6800	1.0 U	6.3 J	7.6	5.3	6.2	78	17	210	47	0.73 J	0.50 U	0.050 UJ
4/25/2018	1.0 U	1.0 U	4.9	0.39 J	1.0 U	7.9	19	27	22000	1.0 U	4.5	3.7	4.7	6.8	89	20	170	45	2.1	0.25 U	0.039 J
12/5/2019	1.0 U	1.0 U	11	0.28 J	1.0 U	14	24	17	27000 D	1.0 U	4.3	6.6	3.1	9.7 J-	19	5.9	140	67	2.3	0.25 U	
3/19/2020	1.0 U	1.0 U	1.4	1.0 U	1.0 U	2.6	23	6.5	33000 D	1.0 U	4.5	8.9	4.1		21	5.4	110	39	2.9	0.50 UJ	0.10 UJ
12/8/2021	4.0 U	4.0 U	31	4.0 U	4.0 U	20	170 U	150 U	26000	4.0 U	7.3	2.9 J	0.94	16	13	12	130	90	5.6	0.25 U	0.25 U
5/12/2022	1.0 U	1.0 U	28	1.0 U	1.0 U	23	31	21	29000 D	1.0 U	8.2	2.2	0.42	8.9	26	4.5	120	130	6.7	0.10 UJ	0.050 U
10/5/2023	1.0 U	1.0 U	0.9 J	1.0 U	1.0 U	2.2	34	5.5	26000	1.0 U	11	2.7	160 J	11	16	3.6	88	69	4.5	0.25 U	0.25 U
4/25/2024	1.0 U	1.0 U	5.9	1.0 U	1.0 UJ	5.8	36	11	27000	1.0 U	7.7	2.2	130 J	17 J	22	3.9	120 J+	120 J+	4	0.10 U	0.10 U
10/23/2025	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.98 J	21	0.47 J	20000	1.0 U	6.8	3.7	200 U	20	32	3.9	130	80	9.9	0.10 UH	0.10 UH

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D Result reported from a secondary dilution analysis.
R The sample results are rejected.

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
HYDE PARK FACILITY
NIAGARA, NEW YORK

Well ID: MW-18A

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2- DCE (µg/L)	Trans-1,2- DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1- Trichloroe thane (µg/L)	1,1- Dichloroe thane (µg/L)	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	BOD (mg/L)	COD (mg/L)	TOC (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)
11/1/2007	5 U	22	25	0.46 J	0.58 J	6.7	0.38 J	1 U	17	5 U	4.1 J	5 U		2 U	5 UJ	1.79	74.2	125	1 U		
4/28/2008	5 U	25	31	0.44 J	0.8 J	2.1 J	1 U	1 U	16	5 U	3.8 J	5 U		2 U	5 U	1.56	79.6	133	1 U	0.05 U	0.05 U
10/27/2009	5 U	25	43	5 U	0.93 J	7	5 U	5 U	23	5 U	4.7 J	5 U		1.4 U	14.2 J	1.5	90.2 J	130	0.16 U	0 R	0.05 U
5/12/2010	5 U	25	51	5 U	1.1 J	2.6 J	5 U	5 U	13 J	5 U	4.2 J	5 U		1.6 U	50 U	2.1	104 J	132	0.16 U	0.1 U	0.05 U
10/24/2011	5 U	23	42	5 U	0.9 J	8.4	5 U	5 U	19	5 U	4.7 J	5 U	0.0478 J	2.1 U	50 U	1.8	293	156	0.16 U	0.1 U	0.05 U
6/12/2012	5 U	21	56	0.94 J	1.1 J	2.4 J	5 U	5 U	11 J	5 U	4.2 J	5 U	0.2 U	3.1 U	50 U	1	108	129	0.16 U	0.1 U	0.05 U
8/27/2013	5 U	25	58	0.87 J	0.98 J	3.4 J	5 U	5 U	10	5 UJ	4.9 J	5 U		6.2	50 U	2.1	118	138	0.16 U	0.1 U	0.05 U
4/2/2014	1 U	27	43	0.76 J	0.9 J	0.86 J	5 U	5 U	3.4 J	1 UJ	3.6	1 U	0.89	3.3 U	50 U	2.4	106 J-	124 J+	0.16 U	0.1 U	0.05 U
11/18/2015	1 U	38	51	0.73 J	1.1	2.3	5 U	5 U	11 J	1 U	4.5	1 U	1.5	2.8 U	50 U	1.2	113	118	0.16 U	0.1 U	0.05 U
4/20/2016	1.0 U	37	51	0.83 J	0.99 J	0.62 J	5.0 U	5.0 U	5.2	1.0 U	4.3	1.0 U	0.463	4.2 U	19.8 J	1.4	233	144	0.10 U	0.10 U	0.050 U
9/13/2017	2.0 U	29	58	0.8 J	1 J	1.8 J	0.50 U	0.50 U	5.3	2.0 U	5	2.0 U	1.2	2.0 U	12	1.3	86	120	1.0 U	0.25 U	0.050 U
4/26/2018	1.0 U	36	42	0.61 J	0.88 J	1.1	1.0 U	1.0 U	13	1.0 U	3.7	1.0 U	0.99	2.0 U	12	1.5	81	130	1.0 U	0.25 U	0.050 U
12/4/2019	2.0 U	32	43	0.66 J	0.93 J	0.97 J	0.36 J	1.0 U	9.2	2.0 U	3.6	2.0 U	0.9	2.0 U	10 U	1.3	67	130	1.0 U	0.25 U	
3/19/2020	2.0 U	34	46	0.81 J	0.87 J	1.1 J	1.0 U	1.0 U	17	2.0 U	3.7	2.0 U	0.99		4.1 J	1.3	65	130	1.0 U	0.50 UJ	0.10 UJ
12/7/2021	1.0 UJ	23 J-	43 J-	1.0 UJ	0.49 J-	2.3 J-	7.5 U	7.0 U	4000	1.0 UJ	3.3 J-	1.0 UJ	1.4	2.0 U	45	2.2	53	120	1.0 U	0.050 U	0.050 U
5/11/2022	1.0 U	34	54	0.87 J	1.2	5.7	1.5	1.4	5800 D	1.0 U	4.1	1.0 U	1.9	2.4	6.8 J	1.1	51	130	1.0 U	0.10 UJ	0.050 UJ
10/5/2023	1.0 U	39	57	0.86 J	1.4	3.5	0.79 J	0.66 J	3400	1.0 U	4	1.0 UJ	1900	2.0 U	7.2 J	1.4	37	120	1.0 U	0.25 U	0.25 U
4/23/2024	1.0 U	41	39	0.77 J	0.99 J	3.6	0.89 J	0.49 J	2800	1.0 U	4.2	1.0 U	2800	2.0 U		0.96 J	38 J+	130 J+	1.0 U	0.25 U	0.25 U
10/23/2025	1.0 U	42	50	1.1	1.3	7.4	0.9 J	0.64 J	1800	1.0 U	4.5	1.0 U	2500	2.0 UH	4.6 J	1.2	26	110	1.0 U	0.10 UH	0.10 UH

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UJ The analyte was not detected. The reporting limit is an approximate value.
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J+ Indicates estimated value, biased high.
D Result reported from a secondary dilution analysis.
R The sample results are rejected.

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
HYDE PARK FACILITY
NIAGARA, NEW YORK

Well ID: MW-18B

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2- DCE (µg/L)	Trans-1,2- DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1- Trichloroe thane (µg/L)	1,1- Dichloroe thane (µg/L)	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	BOD (mg/L)	COD (mg/L)	TOC (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)
11/1/2007	5 U	5 U	160	0.9 J	5 U	140		2.1	120	5 U	5 U	5 U		2 U	5 UJ	4.09	80.9	261			
11/29/2007																			1 U		
4/28/2008	5 U	5 U	120	0.73 J	5 U	180	0.74 J	2.4	150	5 U	5 U	5 U		2 U	9.86	3.74	88.1	270	1 U	0.05 U	0.05 U
10/27/2009	5 U	5 U	62	5 U	5 U	220	5 U	2.3 J	120	5 U	5 U	5 U		1.7 U	23.3 J	4.1	93.8 J	296	0.16 U	0 R	0.05 U
5/12/2010	5 U	5 U	69	5 U	5 U	190	5 U	2.4 J	130	5 U	5 U	5 U									
10/25/2011	5 U	5 U	150	0.9 J	5 U	220	5 U	4 J	120	5 U	5 U	5 U	0.0657 J	2.4 U	50 U	3.9	114 J	305 J	0.16 U	0.1 U	0.05 U
3/14/2012	5 U	5 U	59	5 U	5 U	170	5 U	2.3 J	96	5 U	5 U	5 U	0.0423 J			3.5	102	281			
6/12/2012	5 U	5 U	110	5 U	5 U	140	5 U	3.6 J	110	5 U	5 U	5 U	0.2 U	3.5 U	50 U	4	102	268	0.16 U	0.1 U	0.05 U
11/28/2012	5 U	5 U	89	5 U	5 U	180	5 U	5.2	150	5 U	5 U	5 U	0.2 U			4.2	106	284			
8/15/2013	0.96 J	5 U	120	5 U	5 U	190				5 U	5 U	5 U							0.16 U		
8/27/2013	5 U	5 U	110	5 U	5 U	190	5 U	5.3	170	5 UJ	5 U	5 U		2.8 U	17.9 J	4.9	106	284	0.16 U	0.1 U	0.05 U
1/17/2014	5 U	5 U	28	5 U	5 U	56	3.2 J	41	5000	5 U	5 U	5 U	5.97			941	91.1	55.1	17.3		
1/21/2014																					
4/2/2014	1 U	1 U	43	1 U	1 U	71	3.8 J	33	13000	1 UJ	1 U	1 U	2.91	889 J	1340	427	79.3 J-	86.1 J+	7.7	0.1 U	0.05 U
10/13/2014	1 U	1 U	1.1	1 U	1 U	4.6	4 J	11	18000	1 U	1 U	1 U	8.37			166	34.9	3.8 J	2.8		
11/18/2015	1 U	1 U	35	1 U	1 U	40	3.5 J	15	18000	1 U	1 U	1 U	2.54	35.7	167	41.5	62.2	70.9	1.5	0.1 U	0.05 U
4/21/2016	1.0 U	1.0 U	90	1.0 U	1.0 U	120	2.8 J	16	19000 D	1.0 U	1.0 U	1.0 U	0.893	22.1	88.7	21.7	122	189	4.8	0.10 U	0.050 U
9/13/2017	20 U	20 U	380	20 U	20 U	210	6.8	38	5000 D	20 U	20 UJ	20 U	0.52	23	99	11	110	140	7.3	0.50 U	0.050 U
4/26/2018	2.5 U	2.5 U	69	2.5 U	2.5 U	92	2	12	17000 D	2.5 U	2.5 U	2.5 U	0.41	17	71	12	97	130	10	0.25 U	0.050 U
12/4/2019	2.0 U	2.0 U	56	2.0 U	2.0 U	70	2.3	9.9	24000 D	2.0 U	2.0 U	2.0 U	0.35	35 J-	49	8.8	96	130	13	0.25 U	
3/19/2020	2.0 U	2.0 U	32	2.0 U	2.0 U	51	2.5	29	24000 D	2.0 U	2.0 U	2.0 U	0.23		53	7.2	100	170	16	0.50 UJ	0.10 UJ
12/7/2021	2.0 U	2.0 U	47	2.0 U	2.0 U	80	170 U	150 U	13000	2.0 U	2.0 U	2.0 U	0.32	14	39	6	98	190	8	0.050 U	0.050 U
5/11/2022	1.0 U	1.0 U	38	1.0 U	1.0 U	59	3.2	15	21000 D	1.0 U	1.0 U	1.0 U	0.17 J	16	39	4.5	100	220	9.9	0.10 UJ	0.050 UJ
10/5/2023	1.0 U	1.0 U	120 DJ	0.53 J	1.0 U	61	2.3	5	22000	1.0 U	1.0 U	1.0 UJ	170 J	17	35	5	100	180	7.7	0.25 U	0.25 U
4/24/2024	1.0 U	1.0 U	29	1.0 U	1.0 UJ	56	2.8	14	22000	1.0 U	1.0 U	1.0 U	200 U	4.4	40	4.4	120 J+	190	9.6	0.10 UJ	0.10 UJ
10/23/2025	1.0 U	1.0 U	25	1.0 U	1.0 U	23	1.6	0.96 J	25000	1.0 U	1.0 U	1.0 U	140 J	31	55	4.7	130	140	22	0.10 UH	0.10 UH

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MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
HYDE PARK FACILITY
NIAGARA, NEW YORK

Well ID: MW-19A

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2- DCE (µg/L)	Trans-1,2- DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1- Trichloroe thane (µg/L)	1,1- Dichloroe thane (µg/L)	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	BOD (mg/L)	COD (mg/L)	TOC (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)
10/31/2007	5 U	5 U	4.2 J	5 U	5 U	4				5 U	5 U	5 U									
4/24/2008	5 U	5 U	3.2 J	5 U	5 U	1.2 J				5 U	5 U	5 U									
11/2/2009	5 U	5 U	3.7 J	5 U	5 U	2.8 J				5 U	5 U	5 U									

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MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
HYDE PARK FACILITY
NIAGARA, NEW YORK

Well ID: MW-19B

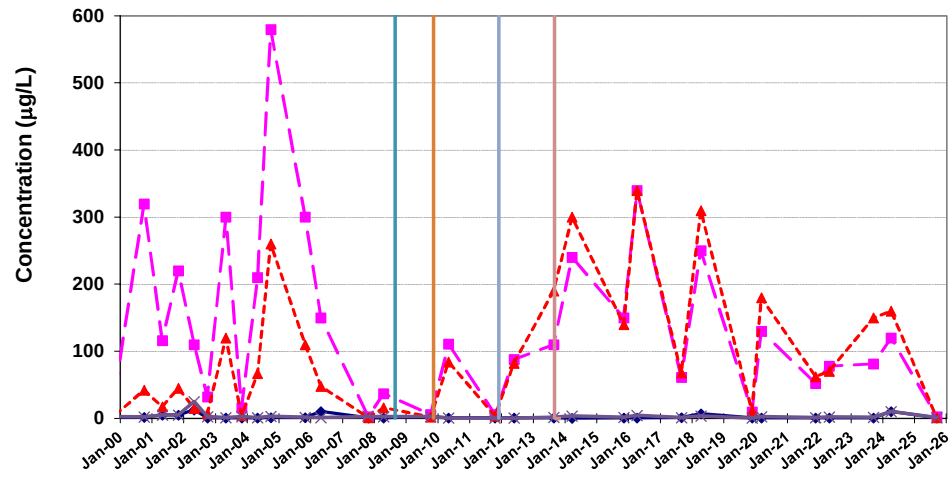
Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2- DCE (µg/L)	Trans-1,2- DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1- Trichloroe thane (µg/L)	1,1- Dichloroe thane (µg/L)	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	BOD (mg/L)	COD (mg/L)	TOC (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)
10/31/2007	5 U	5 U	12	5 U	5 U	3.4				5 U	5 U	5 U									
4/24/2008	5 U	5 U	24	5 U	5 U	5.8				5 U	5 U	5 U									
11/2/2009	5 U	5 U	68	5 U	5 U	7.2				5 U	5 U	5 U									
5/12/2010	5 U	5 U	2.1 J	5 U	5 U	2.1 J	5 U	5 U	160	5 U	5 U	5 U									
10/20/2011	5 U	5 U	8.7	5 U	5 U	3.3 J				5 U	5 U	5 U									
6/12/2012	5 U	5 U	2.3 J	5 U	5 U	1.6 J				5 U	5 U	5 U									
8/28/2013	5 U	5 U	2.1 J	5 U	5 U	1.2 J				5 U	5 U	5 U									
4/2/2014	1 U	1 U	2.9	1 U	1 U	0.65 J				1 U	1 U	1 U									
11/17/2015	1 U	1 U	1.8	1 U	1 U	1				1 U	1 U	1 U									
4/19/2016	1.0 U	1.0 U	1.1	1.0 U	1.0 U	1.1				1.0 U	1.0 U	1.0 U									
9/13/2017	1.0 U	1.0 U	1.6	1.0 U	1.0 U	1.5				1.0 U	1.0 UJ	1.0 U									
4/23/2018	1.0 U	1.0 U	24	1.0 U	1.0 U	5				1.0 U	1.0 U	1.0 U									
12/4/2019	1.0 U	1.0 U	1.4	1.0 U	1.0 U	1.2				1.0 U	1.0 U	1.0 U									
3/20/2020	1.0 U	1.0 U	11	1.0 U	1.0 U	2.3				1.0 U	1.0 U	1.0 U									
12/7/2021	1.0 U	1.0 U	1.8	1.0 U	1.0 U	1.5				1.0 U	1.0 U	1.0 U									
5/12/2022	1.0 U	1.0 U	1.5	1.0 U	1.0 U	1.1				1.0 U	1.0 U	1.0 U									
10/5/2023	1.0 U	1.0 U	1.5	1.0 U	1.0 U	1.4				1.0 U	1.0 U	1.0 UJ									
4/22/2024	1.0 U	1.0 U	21	1.0 U	1.0 U	4.4				1.0 U	1.0 U	1.0 U									
10/24/2025	1.0 U	1.0 U	1.6	1.0 U	1.0 U	0.98 J				1.0 U	1.0 U	1.0 U									

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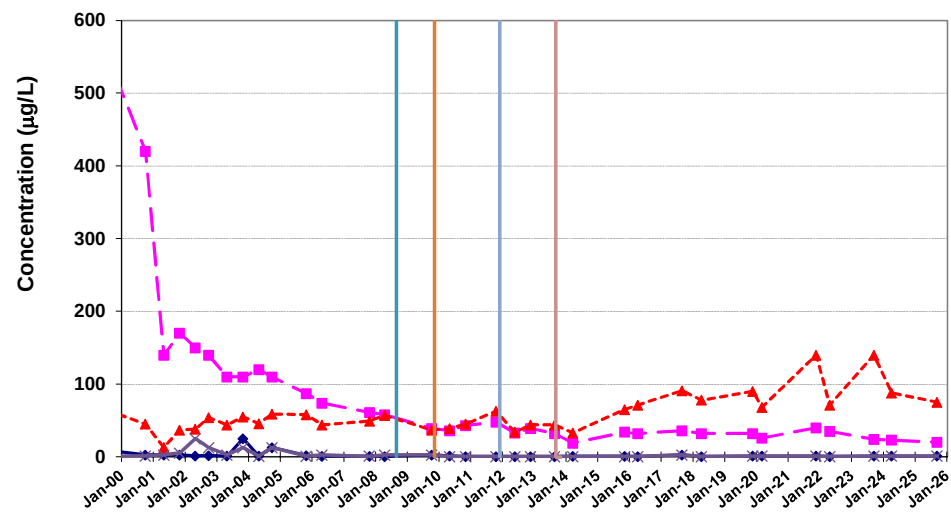
Appendix D

Long-Term Trend Graphs of Chlorinated Ethenes in Monitoring Wells, 2000-2025

CONCENTRATIONS OF CHLOROETHENES MW-5A



CONCENTRATIONS OF CHLOROETHENES MW-5B



- ◆ TCE
- DCE
- ▲ VC
- ✱ DCA
- ✱ OB Injection (Fall 08)
- OB & BR Injection (Fall 09)
- ✱ OB Injection (Fall 11)
- OB+ BR Injection (Fall 13)

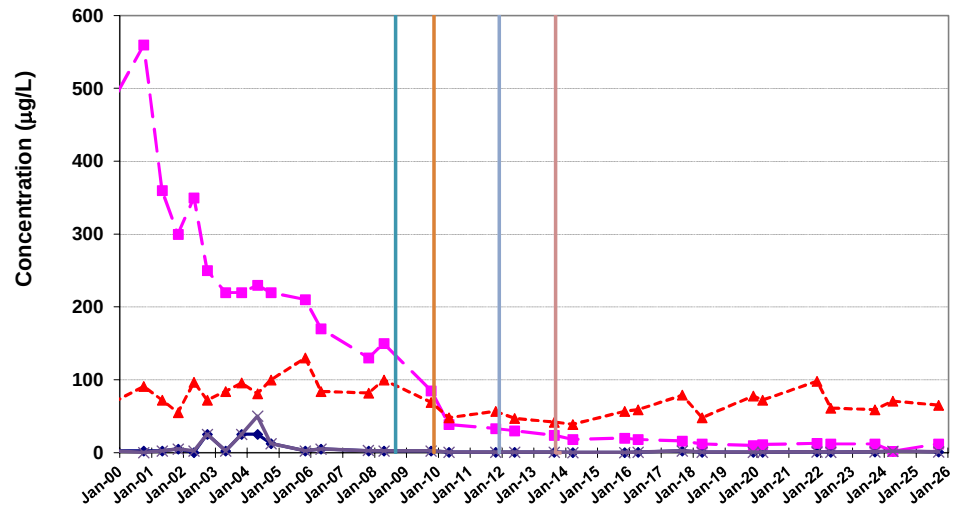
FORMER CARBORUNDUM COMPANY

LONG TERM TRENDS OF CHLORINATED
ETHENES IN WELLS MW-5A AND MW-5B

AECOM

50 Lakefront Boulevard, Suite 111, Buffalo, New York 14202.

CONCENTRATIONS OF CHLOROETHENES MW-6



◆ TCE
 ■ DCE
 ▲ VC
 × DCA
 * OB Injection (Fall 08)
 ● OB & BR Injection (Fall 09)
 + OB Injection (Fall 11)
 ○ OB+ BR Injection (Fall 13)

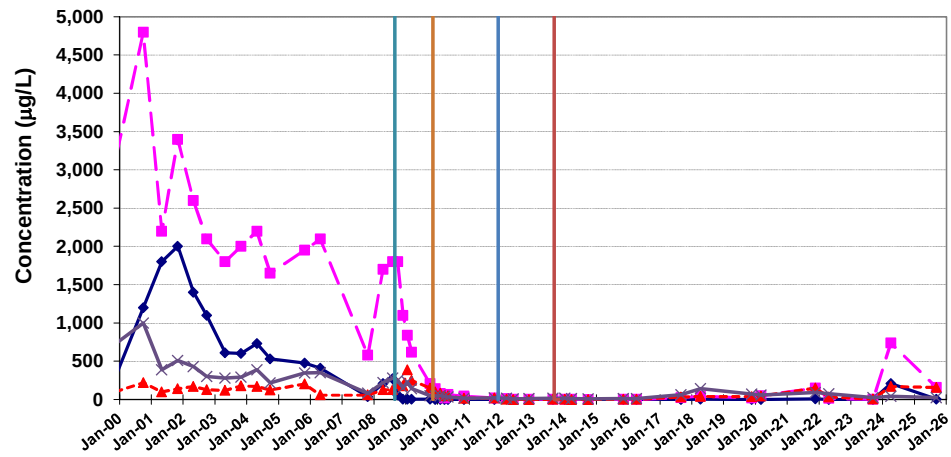
FORMER CARBORUNDUM COMPANY

LONG TERM TRENDS OF CHLORINATED
ETHENES IN WELL MW-6

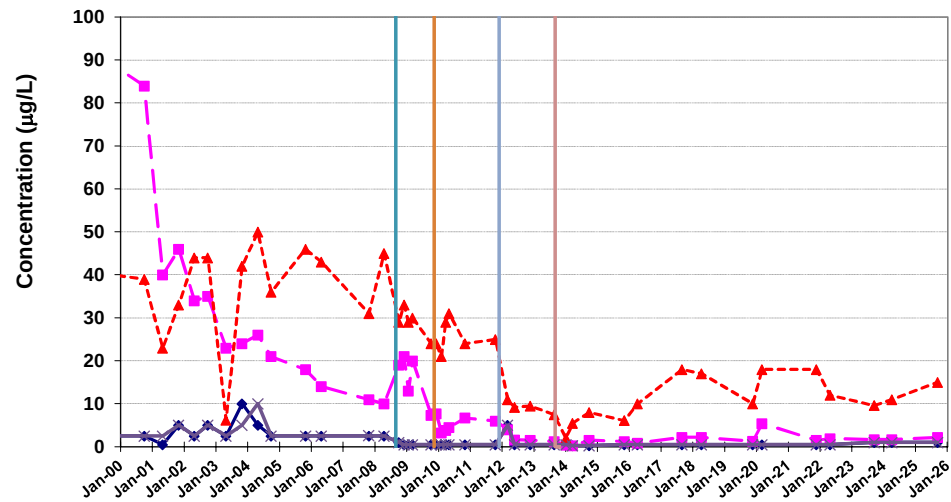
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CONCENTRATIONS OF CHLOROETHENES MW-7A



CONCENTRATIONS OF CHLOROETHENES MW-7B



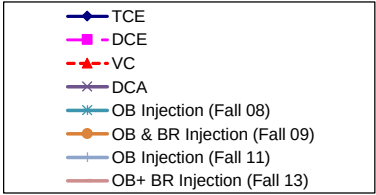
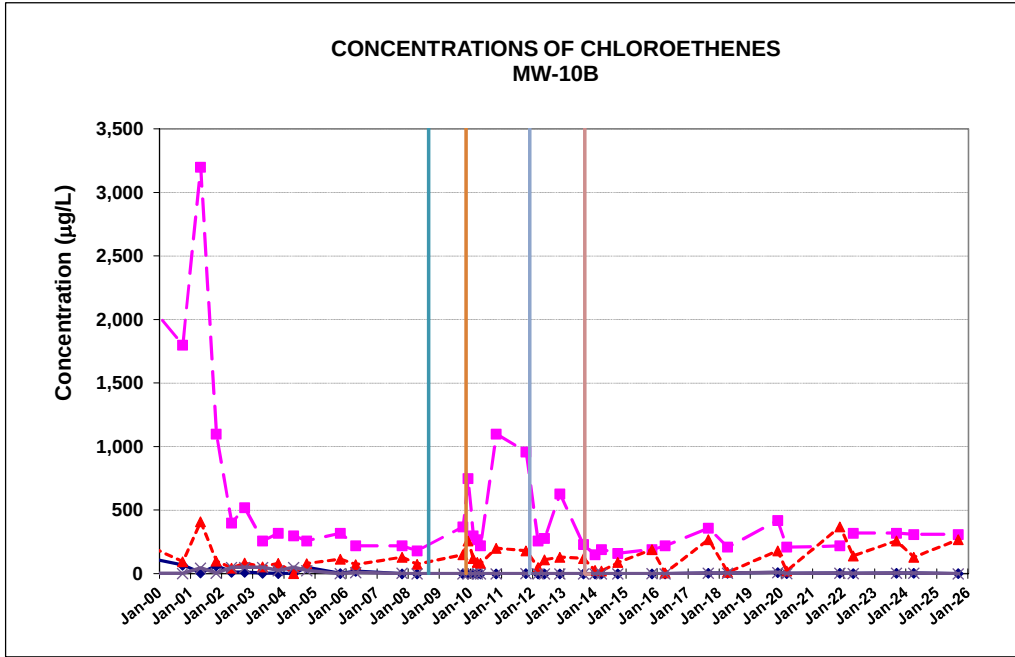
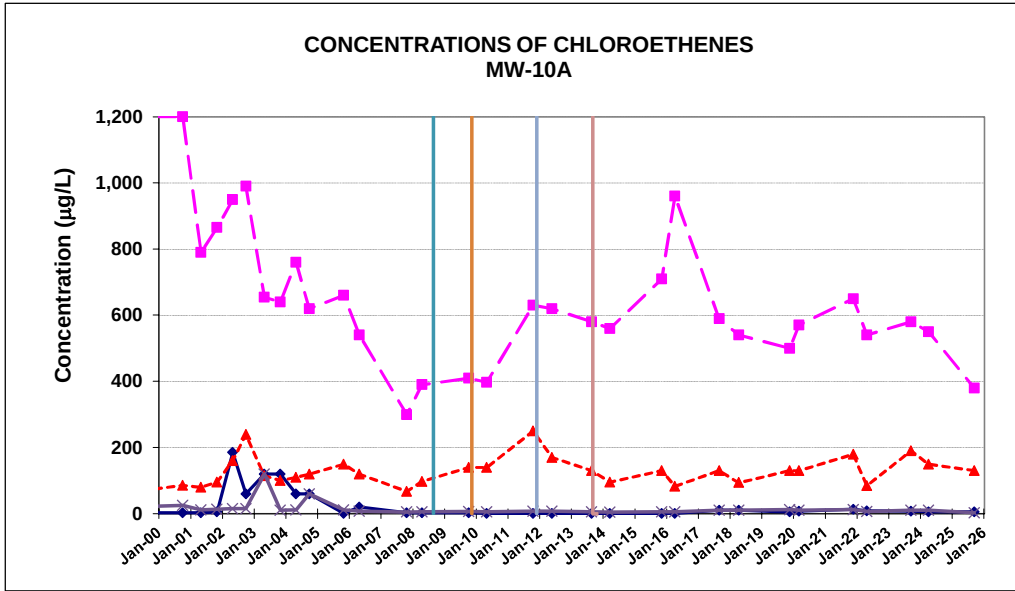
- ◆ TCE
- DCE
- ▲ VC
- × DCA
- OB Injection (Fall 08)
- OB & BR Injection (Fall 09)
- OB Injection (Fall 11)
- OB & BR Injection (Fall 13)

FORMER CARBORUNDUM COMPANY

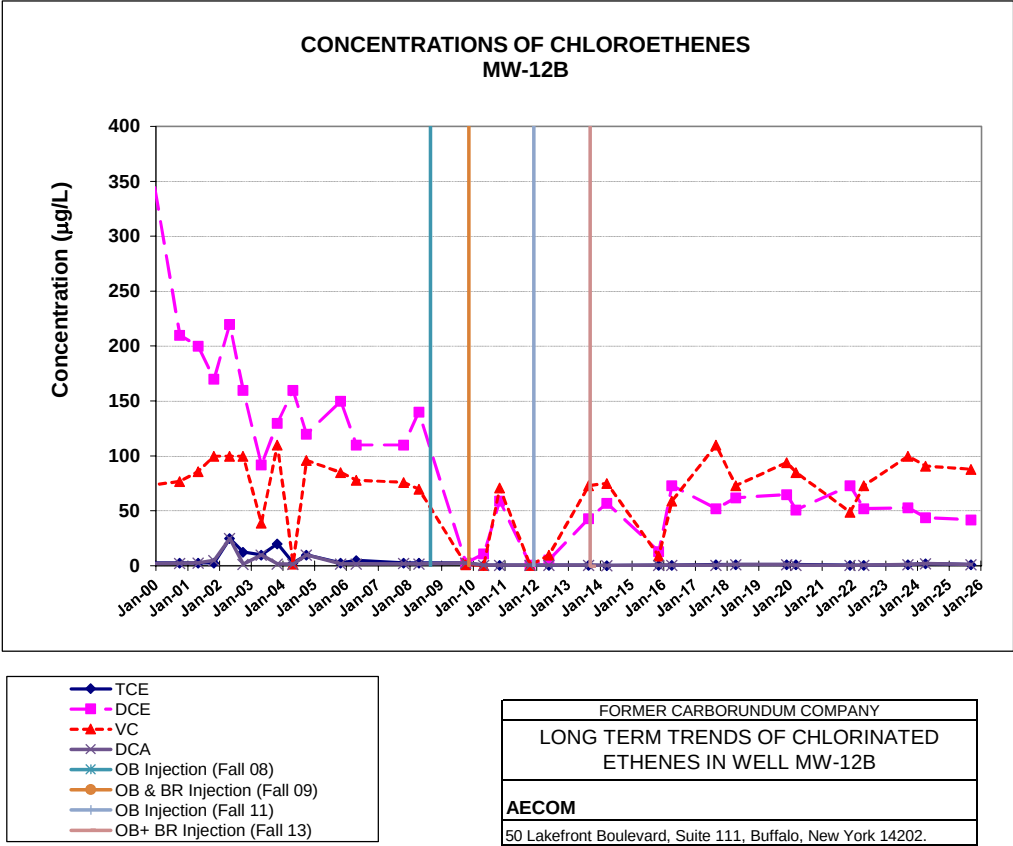
LONG TERM TRENDS OF CHLORINATED
ETHENES IN WELLS MW-7A AND MW-7B

AECOM

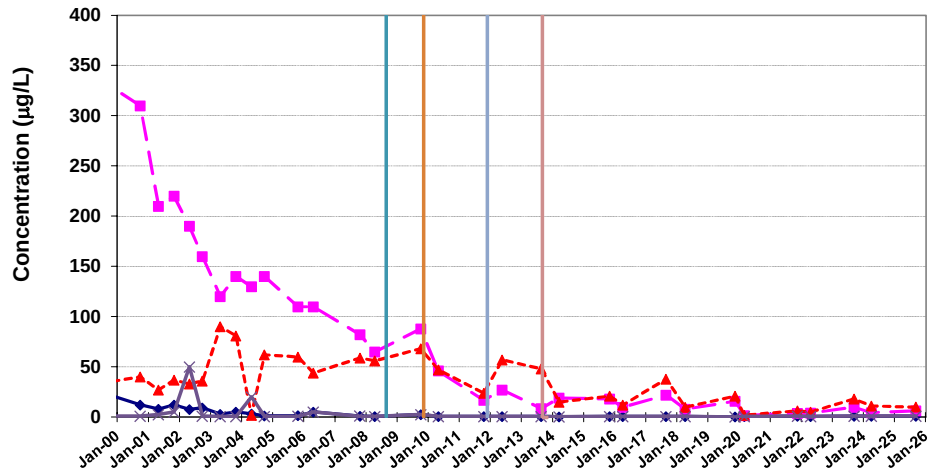
50 Lakefront Boulevard, Suite 111, Buffalo, New York 14202.



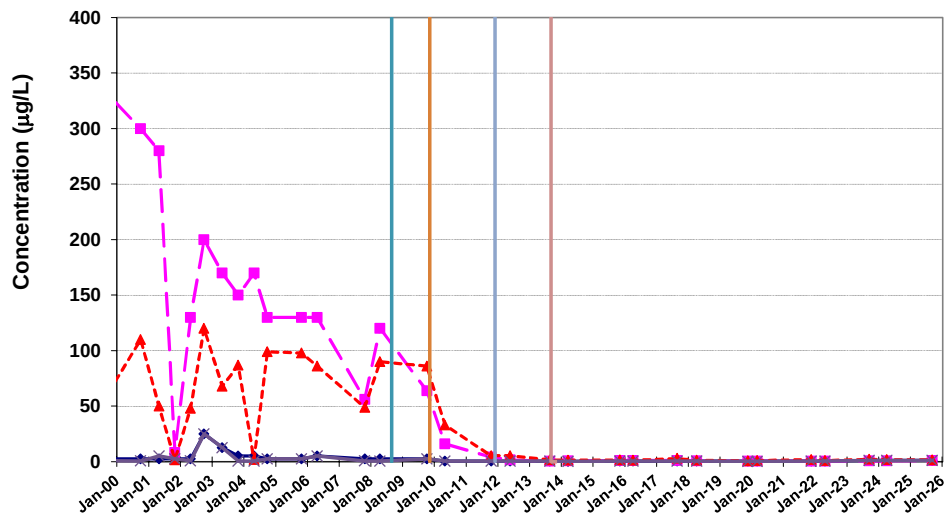
FORMER CARBORUNDUM COMPANY
LONG TERM TRENDS OF CHLORINATED ETHENES IN WELLS MW-10A AND MW-10B
AECOM
50 Lakefront Boulevard, Suite 111, Buffalo, New York 14202.



CONCENTRATIONS OF CHLOROETHENES MW-13B



CONCENTRATIONS OF CHLOROETHENES MW-14B



◆ TCE
 ■ DCE
 ▲ VC
 × DCA
 — OB Injection (Fall 08)
 — OB & BR Injection (Fall 09)
 — OB Injection (Fall 11)
 — OB+ BR Injection (Fall 13)

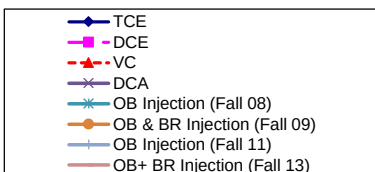
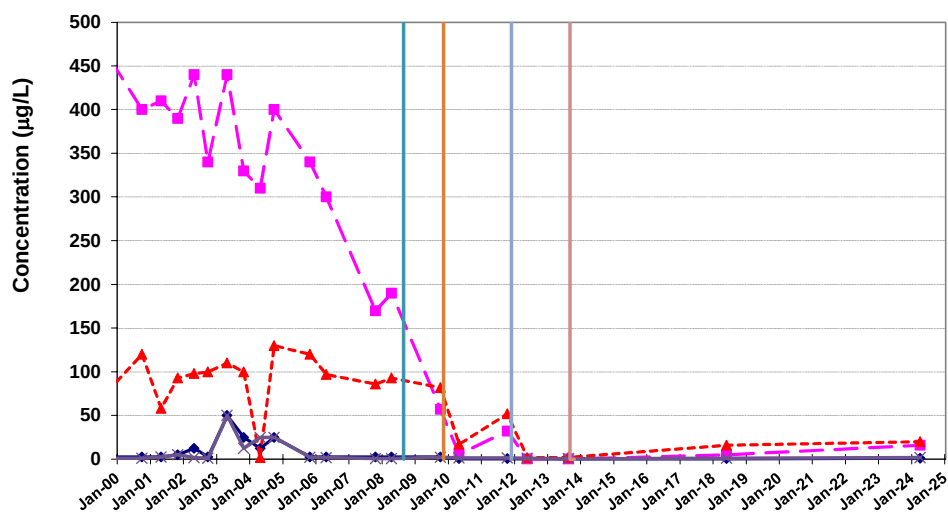
FORMER CARBORUNDUM COMPANY

LONG TERM TRENDS OF CHLORINATED
ETHENES IN WELLS MW-13B AND MW-14B

AECOM

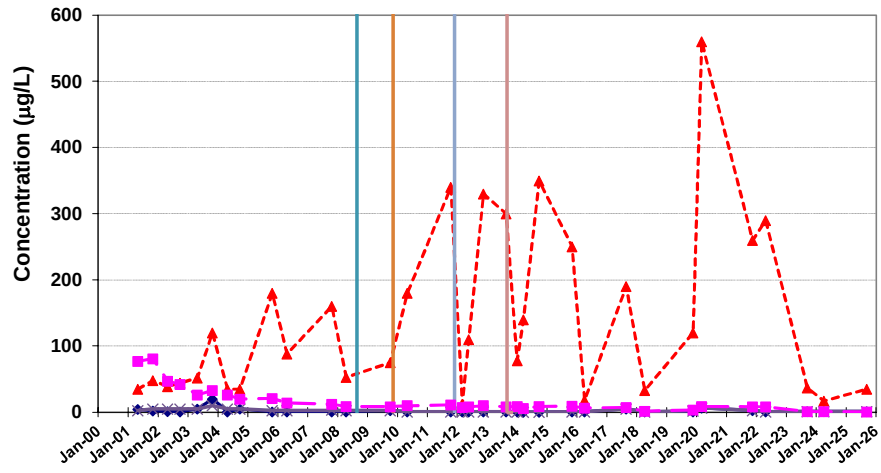
50 Lakefront Boulevard, Suite 111, Buffalo, New York 14202.

CONCENTRATIONS OF CHLOROETHENES MW-15

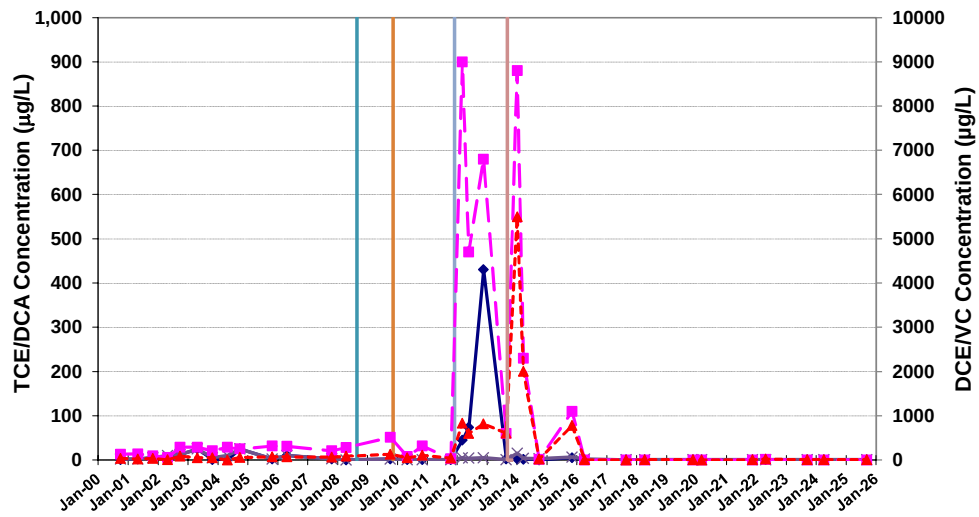


FORMER CARBORUNDUM COMPANY
LONG TERM TRENDS OF CHLORINATED ETHENES IN WELL MW-15
AECOM
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CONCENTRATIONS OF CHLOROETHENES MW-16A



CONCENTRATIONS OF CHLOROETHENES MW-16B



- ◆ TCE
- DCE
- ▲ VC
- × DCA
- OB Injection (Fall 08)
- OB & BR Injection (Fall 09)
- OB Injection (Fall 11)
- OB+ BR Injection (Fall 13)

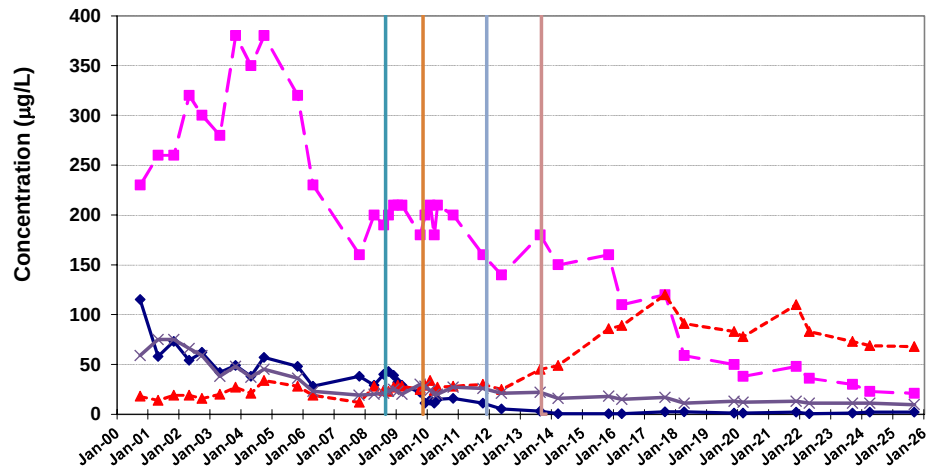
FORMER CARBORUNDUM COMPANY

LONG TERM TRENDS OF CHLORINATED
ETHENES IN WELLS MW-16A AND MW-16B

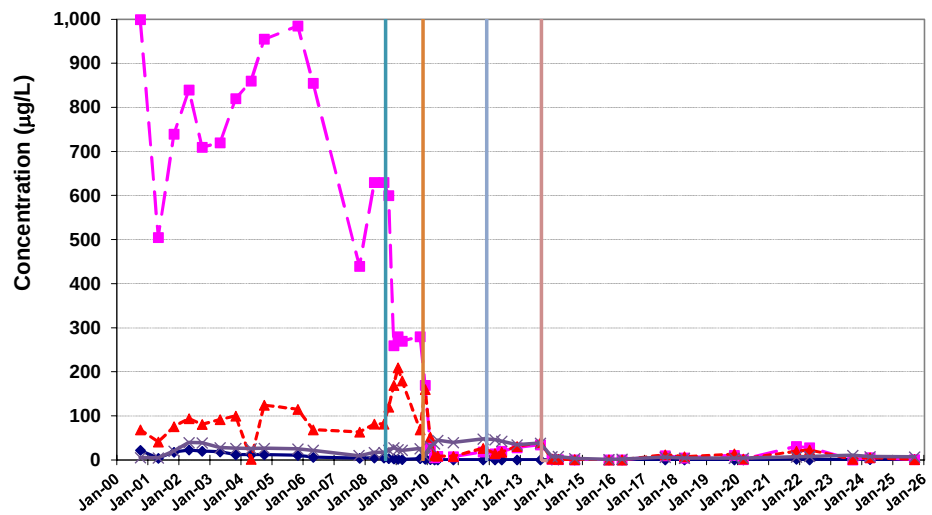
AECOM

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CONCENTRATIONS OF CHLOROETHENES MW-17A



CONCENTRATIONS OF CHLOROETHENES MW-17B



- ◆— TCE
- DCE
- ▲— VC
- ×— DCA
- ×— OB Injection (Fall 08)
- OB & BR Injection (Fall 09)
- OB Injection (Fall 11)
- OB+ BR Injection (Fall 13)

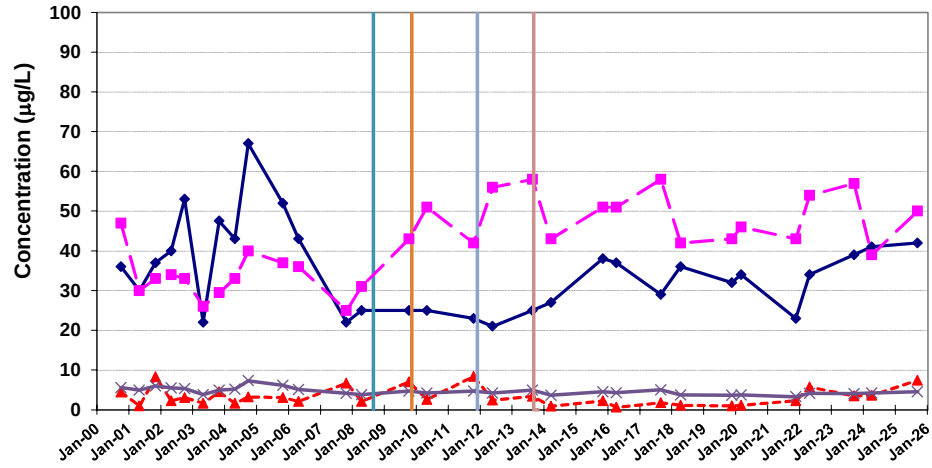
FORMER CARBORUNDUM COMPANY

LONG TERM TRENDS OF CHLORINATED
ETHENES IN WELLS MW-17A AND MW-17B

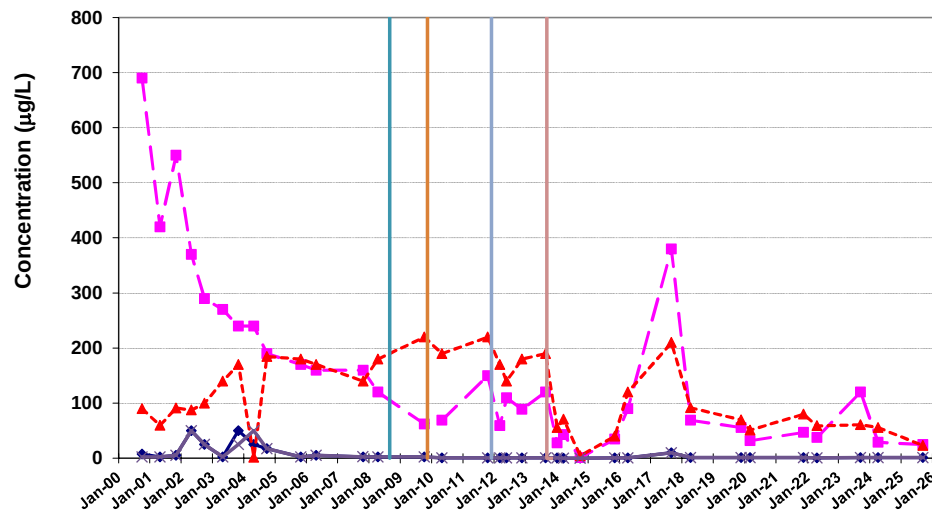
AECOM

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CONCENTRATIONS OF CHLOROETHENES MW-18A



CONCENTRATIONS OF CHLOROETHENES MW-18B



- ◆— TCE
- DCE
- ▲— VC
- ×— DCA
- *— OB Injection (Fall 08)
- OB & BR Injection (Fall 09)
- +— OB Injection (Fall 11)
- +— OB+ BR Injection (Fall 13)

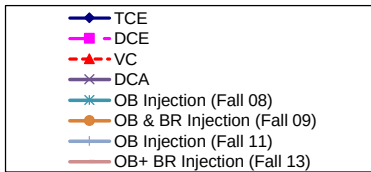
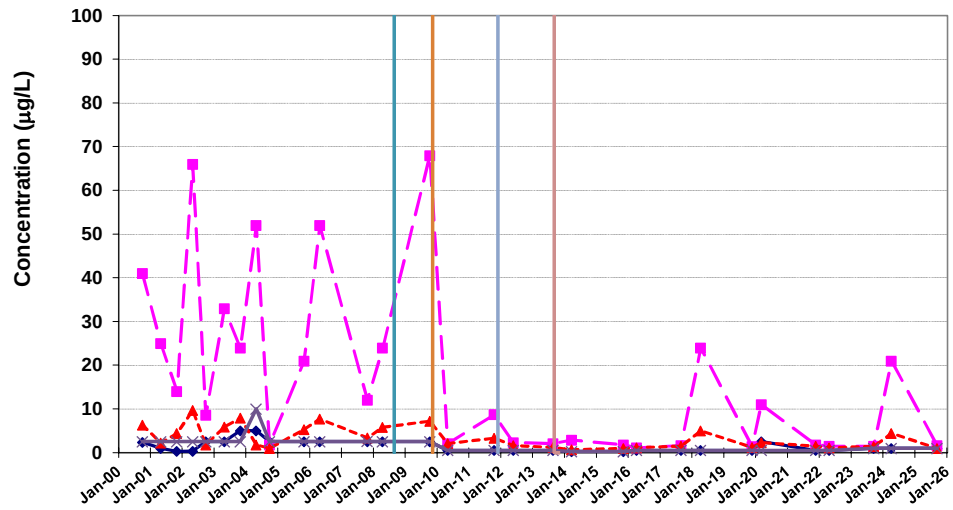
FORMER CARBORUNDUM COMPANY

LONG TERM TRENDS OF CHLORINATED
ETHENES IN WELLS MW-18A AND MW-18B

AECOM

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CONCENTRATIONS OF CHLOROETHENES MW-19B



FORMER CARBORUNDUM COMPANY
LONG TERM TRENDS OF CHLORINATED ETHENES IN WELL MW-19B
AECOM
50 Lakefront Boulevard, Suite 111, Buffalo, New York 14202.