Periodic Review Report

Former Leica, Inc. Facility

PREPARED FOR
Leica, Inc.

DATE
27 August 2025

REFERENCE
Site No. 915156



SIGNATURE PAGE

Periodic Review Report

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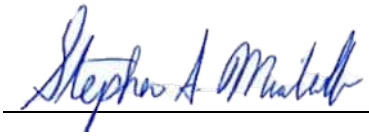
Site No. 915156



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ACRONYMS AND ABBREVIATIONS

Acronym	Description
cis-1,2-DCE	cis-1,2-dichloroethene
CVOC	Chlorinated Volatile Organic Compound
DMR	discharge monitoring report
DGI	Data gap investigation
EC	Engineering Control
ERM	ERM Consulting & Engineering, Inc.
GWES	Groundwater extraction system
IC	Institutional Control
Leica	Leica, Inc.
NYSDEC	New York State Department of Environmental Conservation
OM&M	Operation, maintenance, and monitoring
PRR	Periodic Review Report
RAO	Remedial Action Objective
ROD	Record of Decision
SMP	Site Management Plan
SSDS	Sub-slab depressurization system
TCE	Trichloroethene
TOGS	Technical Operational Guidance Series
VC	Vinyl chloride
VI	Vapor intrusion
VOC	Volatile organic compound

1. SITE OVERVIEW

The former Leica, Inc. (Leica) facility (the Site) located at 203 Eggert Road in Cheektowaga, New York (as shown on Figure 1) is listed in the Registry of Inactive Hazardous Waste Disposal Sites in New York State as Site Number 915156. This Periodic Review Report (PRR) documents the implementation of, and compliance with, Site-specific management requirements from 1 May 2024 through 30 April 2025.

The Site is composed of two parcels: one 22.76-acre parcel that was owned by Calypso Development of WNY Inc. and was purchased by 203 Eggert Road Properties, LLC in 2023, and one 1.22-acre parcel owned by Leica. Historical manufacturing activities resulted in volatile organic compound (VOC) impacts to Site soil, groundwater, and soil vapor. In September 1993, Leica entered into an Order of Consent with the New York State Department of Environmental Conservation (NYSDEC) to investigate and remediate the Site. A Record of Decision (ROD), dated March 1997, established Remedial Goals and Remedial Action Objectives (RAOs) for constituents of concern (COCs) in soil and groundwater. Remedial goals established in the ROD are presented in Table 1-1 along with the status of each goal during the reporting period.

TABLE 1-1 SUMMARY OF REMEDIAL GOALS

Remedial Goals	Status During Reporting Period
To achieve RAOs for groundwater and soil. Note: Surface water and sediment are also included in the ROD, but without respective RAOs.	In October 2024, ERM collected additional groundwater samples to evaluate the degree of natural attenuation occurring at the Site.
To restore groundwater to the maximum extent practicable by applicable standards and/or guidance values (i.e., RAOs for groundwater) in the overburden and bedrock aquifers.	Historical source remediation (Figure 2) outside the building significantly reduced COC concentrations in Site groundwater, as demonstrated through ongoing semi-annual groundwater monitoring.
To eliminate contaminant migration via groundwater so that potential releases of, and contact with, contaminated groundwater does not present a human or environmental threat.	The groundwater extraction system (GWES) is in the southeast corner of the Site (Figure 2) and has been shut down with NYSDEC approval since 4 June 2024. The *Periodic Review Report* (ERM July 2024) included a recommendation to permanently terminate operation of the GWES. In addition, a permeable reactive barrier (PRB) was installed during this reporting period in the southwest corner of the Site to mitigate the potential for off-Site migration of impacted groundwater in overburden and diminish the potential for off-Site vapor intrusion. This work was documented in a *Construction Completion Report* (ERM February 2025) and will be included in a Site Management Plan amendment. Groundwater use at the Site is restricted and the Erie County Water Authority provides potable water for the Site and surrounding area.

Remedial Goals	Status During Reporting Period
To prevent or mitigate the leaching and/or migration of contaminants in the soil that would cause groundwater and/or surface water contamination above standards.	Historical source remediation (Figure 2) outside the building significantly reduced COC concentrations in Site soil, as demonstrated through historical post-excavation soil sampling (Scientech 2004).
Eliminate, to the maximum extent practicable, the potential for direct human or animal contact with contaminated soil.	The Site has a *Site Management Plan* (SMP; ERM 2020) and land use restriction to minimize, to the maximum extent practicable, any direct human contact with impacted soil.
To prevent or mitigate the release and inhalation of airborne contaminants above acceptable standards.	Sub-slab depressurization systems (SSDSs) were installed in the Loading Dock (2012) and Warehouse (2017) areas to mitigate migration of soil vapor to indoor air (Figure 2). Currently, two blowers of the Warehouse SSDS are not functioning as designed and further detailed in Table 1-2. Due to deteriorated conditions within the main building, ERM was not able to maintain the SSDS blower units because the building was deemed unsafe for entry[1]. Currently, building renovations appear to have halted, and there is currently no power to the building.

The Site remedy includes institutional controls (ICs) and engineering controls (ECs) to protect human health and the environment that are documented in the Site Management Plan (SMP) and Environmental Easement. Table 1-2 below provides a status update on all ECs and those ICs pertinent to Site operations conducted during this reporting period:

TABLE 1-2 SUMMARY OF CONTROL MEASURES

ICs:	Status During Reporting Period
Prohibition of property use other than for commercial or industrial purposes.	Property zoning remains commercial. The property is currently vacant.
Prohibition on construction, use, or occupancy that results in a disturbance which interferes with the ECs, or which results in unacceptable human exposure.	Other than the SSDS, discussed above, no activities completed during this period resulted in interference with any ECs. The PRB installation created an additional EC. NYSDEC was notified of utility repair work by property owner not performed in accordance with SMP. NYSDEC communicated SMP requirements to property owner, with instructions that they must be adhered to during construction activities.
Implement the SMP	The SMP (ERM 2020) was implemented to the extent possible, given the access restrictions within the building discussed above.

[1] ERM submitted a letter to NYSDEC on 10 March 2023 documenting safety concerns and requesting approval to discontinue entry into the building by ERM personnel. NYSDEC provided approval on 15 March 2023. As such, ERM has not actively operated or maintained the SSDSs since that time. If safe building conditions are restored, the SSDS operation should be evaluated prior to occupation.

ICs:	Status During Reporting Period
Prohibition of groundwater use without treatment	Groundwater is not being used at the Site.

ECs:	Status During Reporting Period
Vapor mitigation	The Warehouse SSDS and Loading Dock SSDS (Figure 2) control the migration of soil vapor to indoor air by maintaining a negative pressure differential across the building slab. Blower 2 has been down since 25 December 2022 and blower 6 has been down since 28 February 2023, both due to no amperage/vacuum. The issues with blowers 2 and 6 are potentially due to a power loss or a mechanical malfunction. In December 2022, the area received record-breaking amounts of snowfall that further deteriorated the roof and collapsed a wall in the southeast corner of the building. Because of this, most of the building is now open to ambient air. While some blowers are operational (based on telemetry data), the SSDSs are not currently physically monitored nor maintained due to unsafe building conditions.
GWES	The GWES (Figure 2) was operated until 4 June 2024, when it was shut down with NYSDEC approval. COC mass recovery rates have decreased over time, as discussed in the *Remediation System Optimization - Groundwater Extraction System Report* (ERM 2023b). Groundwater treatment is no longer required prior to discharge to the Buffalo Sewer Authority Sewer System per the Site discharge permit effective 2 February 2023.
Permeable Reactive Barrier	Installation of a PRB (Figure 2) was completed in June 2024. Its objectives are twofold: (1) minimizing the potential for dissolved-phase COCs to migrate within overburden groundwater into off-Site areas; and (2) diminish the potential for off-Site vapor intrusion. Supplemental monitoring wells surround the PRB to monitor performance and concentrations of COCs in groundwater. This new EC will be added to an amended SMP.
Access Control by fence and gate	A perimeter fence and gates are maintained at the Site by the property owner. No changes were noted during this reporting period.

The required Institutional & Engineering Controls Certification form has been completed and signed by the Site representative and the Engineer-of-Record (Appendix A). Based upon the current status of the SSDS and GWES the Certification form Box 5 will be indicated as “no” as the ECs are not operating as described in the SMP. However, a Corrective Measures Workplan is not anticipated to be prepared subsequent to this certification. The GWES is not operating per NYSDEC approval, and the SSDS is inoperable because of unsafe building conditions and lack of apparent power supply for the vacant building. The property owner must first repair the building and restore power before the responsible party can assess the SSDS system for functionality.

During the reporting period, ERM prepared and submitted numerous deliverables, as described in Table 1-3:

TABLE 1-3 SUMMARY OF DELIVERABLES SUBMITTED DURING THE REPORTING PERIOD

Objective of Report	Report Name	Final Submission / Approval Date(s)
Define a scope of work to evaluate the effect of the current GWES on the shallow bedrock and overburden groundwater flow system by turning off the GWES and monitoring groundwater elevations and quality	*2024 Groundwater Extraction System Shut Down Test Work Plan*	9 April 2024/ 8 May 2024 (revised)
Define a scope of work to document the processes responsible for intrinsic biodegradation of chlorinated volatile organic compounds (CVOCs) in groundwater	*Natural Attenuation Monitoring Work Plan*	9 May 2024/ 10 May 2024 (revised)
Provide a status update on remedial goals from 1 May 2023 to 30 April 2024	2023 PRR	15 June 2024/ 16 July 2024 (revised)
Provide analytical results from the GWES discharge monitoring for Q2 2024	Q2 2024 Discharge Monitoring Report	5 September 2024
Provide notification of no GWES discharge during 2024 Q3 and Q4	Q3 and Q4 2024 No Discharge Notification	14 January 2025
Document implementation of the Southwest Corner Pilot Study Work Plan – Zero Valent Iron Permeable Reactive Berrier Work Plan	*Construction Completion Report Southwest Corner Pilot Study – Permeable Reactive Barrier Installation*	10 February 2025/ 11 February 2025 (revised)
Summarizes significant findings from the GWES shut down test and recommendations	*Groundwater Extraction System Shut Down Test Report*	18 February 2025

2. OPERATIONS, MAINTENANCE, AND MONITORING ACTIVITIES

During the reporting period, the SSDSs were remotely monitored to the extent possible; however, because ERM personnel were not able to enter the building, no system maintenance activities were completed to address issues with the system. On 14 February 2025, all SSDS vacuum data stopped reporting due to potential power loss to the telemetry equipment. According to Site maintenance personnel, electrical power to the building was lost and not restored during the

reporting period. SSDSs vacuum data are presented in Appendix B. Table 2-1 (below) summarizes the status of the SSDSs.

TABLE 2-1 SUMMARY OF SSDS

SSDS Identification	Current Status
System 1	Operational until 23 January 2025
System 2	Offline prior to May 2024
System 3	Offline prior to May 2024
System 4	Offline prior to May 2024
System 5	Offline prior to May 2024
System 6	Operational until 7 November 2024
System 7	Offline prior to May 2024
System 8	Offline prior to May 2024
Loading Dock 1	Operational until 15 February 2025
Loading Dock 2	Offline prior to May 2024

The GWES operated for one month during this reporting period prior to the GWES shut-down test. The GWES remained off-line for the remainder of the reporting period while the shut-down test was completed and to allow NYSDEC to review the resultant data. Operation, maintenance, and monitoring (OM&M) activities were conducted as prescribed in the SMP (ERM 2020) to allow reactivation of the GWES, if required. On 17 January 2025 ERM installed a new ISOMAG™ MS1000 electromagnetic flowmeter, the calibration report and flowmeter specifications are presented in Appendix D.

Table 2-2 (below) summarizes OM&M activities related to SSDS and GWES operations. It also provides details on: groundwater monitoring; soil gas monitoring; and the annual Site-wide inspection.

TABLE 2-2 SUMMARY OF OM&M ACTIVITIES

OM&M Activity	Frequency	Activity Details	Deficiencies	Data Presented In
Loading Dock & Warehouse Area SSDS Operation	Quarterly	Vacuum readings from system manometers	ERM could not actively operate or maintain the SSDSs during the reporting period. SSDSs vacuum data are incomplete during	Appendix B
	Annually	Pressure differential measurements		None

OM&M Activity	Frequency	Activity Details	Deficiencies	Data Presented In
			the reporting period.	
GWES Operations	Quarterly	Mechanical integrity, flow totalizer, telemetry	No deficiencies. No operation after 4 June 2024 due to the GWES shut-down test.	Table 1 Appendix C
GWES Effluent Monitoring	Quarterly	VOCs, SVOCs, TPH Regulatory reporting to Buffalo Sewer Authority and Town of Cheektowaga	No discharge after 4 June 2024 due to the GWES shut-down test.	Appendix D[2]
Groundwater Monitoring	Semi-annually Sampling and Gauging May and Oct 2024	VOCs, temperature, conductivity, pH, DO, ORP	Groundwater samples were not collected from wells that were dry or from wells inside and 50 feet from the building.	Figures 3-13 Tables 2–5 Appendices E, F, and G
Saint Stanislaus Soil Gas Monitoring	Semi-annually	VOCs	Soil gas monitoring on Saint Stanislaus property was completed in May and October 2024.	Figure 14 Table 6
Site-Wide Inspection / Severe Condition Inspections	Annually Completed 22 April 2025	Review all ICs and ECs	No deficiencies. No severe-conditions inspections were necessary.	Appendix H

Investigation derived waste disposed of during this reporting period includes: purge water from semi-annual groundwater sampling; soil cuttings and monitoring well development water associated with the PRB installation; PVC from monitoring well abandonment; and used PPE from miscellaneous Site activities. In addition, five drums of unknown origin containing soil, aqueous liquid, and PPE unrelated to ERM activities were found on-Site. These drums pre-date ERM involvement and were found in the eastern parking lot with illegible Non-Hazardous labels. At the request of the property owner, ERM characterized and disposed of these drums. All waste materials were disposed of as hazardous waste, consistent with prior practice at the Site. Hazardous waste manifests are presented in Appendix I.

[2] Appendix D includes a copy of the last pollutant discharge elimination permit, issued by the Buffalo Sewer Authority, effective 1 February 2023. GWES has been shut off since June 2024 and a “no discharge” notification has been issued as required by the permit.

3. NEW OWNER ACTIVITIES

As noted in the 2023 PRR (ERM 2024), a portion of the Site was purchased from Calypso Development of WNY Inc. by 203 Eggert Road Properties, LLC (the property owner). Leica still owns the other 1.22-acre parcel. Since purchasing a portion of the Site, the new property owner initiated, then suspended Site redevelopment activities.

The property owner submitted an Excavation Work Notification to NYSDEC in January 2024 as per the SMP in advance of proposed excavation for the installation of 12 new loading docks. Prior to the excavation, the property owner's consultant Montrose Environmental installed nine soil borings within the proposed excavation area, to determine if excavated soil could be re-used on Site. Based on the sample results, NYSDEC determined that all excavated material must be disposed of off-Site. At the time of this PRR, no excavation activities have occurred in this area.

In May 2024, ERM contracted On-Board Engineering to perform a structural assessment of the current building condition. On-Board Engineering concluded that much of the overhead structure (ceiling/roof) is unstable and will require significant repair before the building can be safely accessed. As these unstable areas pose a significant risk to personnel, work within the building and the 50-foot buffer area outside the building for any purpose, including to maintain ECs, remains prohibited until repairs are completed. The Structural Assessment Report is attached in Appendix J.

In June 2024, the property owner initiated repairs on the subsurface private sanitary sewer lines in the eastern parking lot. The SMP was not followed during this work and the NYSDEC was notified by ERM of the excavation and repairs. NYSDEC concluded that no further action was required in letter dated 31 July 2024 in Appendix K.

4. TEMPORARY MONITORING WELL DECOMMISSIONING

Temporary monitoring wells were installed during Site investigations conducted from 2019 through 2023 to evaluate shallow groundwater impacts along various Site utilities. The sampling data from these wells were provided to NYSDEC in the *Data Gap Investigation (DGI) Status Report* (ERM 2022) and the *DGI Addendum* (ERM 2024). Based on these results and assessment of the overall Site monitoring network, a proposal to abandon 32 temporary monitoring wells was submitted to NYSDEC. The *Temporary Monitoring Well Decommissioning Work Plan* (ERM March 2024) was approved by NYSDEC on 28 March 2024.

Thirty-two temporary monitoring wells, PZ-4, and MW-100 were decommissioned by a New York-licensed driller in accordance with NYSDEC's CP-43 Groundwater Monitoring Well Decommissioning Policy (NYSDEC 2009) in May 2024. The deeper of the nested piezometers at location PZ-4 and MW-100 were grouted-in-place. The piezometer casing for the deeper PZ-4 well could not be removed from the annulus of the six-inch casing inside of which the piezometer casings were installed;therefore, the casing remains in-place on Site. The shallower casing at location PZ-4 (total depth of 4 feet below grade) was removed. Decommissioning logs from these activities are included in Appendix L. Locations of the decommissioned wells are presented on Figure 15.

5. GWES SHUTDOWN TEST

A GWES was installed in the southeast corner of the Site in December 1999 to limit migration of groundwater containing chlorinated volatile organic compounds (CVOCs) from an area where contaminated soils were previously excavated. The pumping well (MW-11A) is approximately 36 feet deep (top of bedrock is at 14 feet below ground surface).

A shutdown test was conducted during this reporting period to evaluate the GWES hydraulic effects and determine if its operation affects CVOC migration in groundwater in this area. The work was conducted in accordance with the *Groundwater Extraction System Shutdown Test Work Plan* (ERM April 2024). Additional groundwater sampling with requirements outside of those in the SMP were also collected. Testing results for the shutdown test and details of the additional testing were provided in the *Groundwater Extraction System Shutdown Test Report* (ERM November 2024).

Overall, data from the shutdown test shows that operation of MW-11A does not significantly affect the local groundwater flow regime or groundwater quality in the southeastern corner of the Site. Permanent termination of GWES operation was recommended with continuation of groundwater monitoring in accordance with the current *Site Management Plan* (ERM 2020). Currently, the GWES remains off-line, pending NYSDEC review of the document.

6. PRB INSTALLATION

A PRB utilizing zero valent iron as the reactive media was installed in June 2024 in the southwest corner of the Site. The objectives were twofold: (1) minimizing the potential for dissolved-phase VOCs, especially trichloroethene (TCE), to migrate into off-Site areas; and (2) diminishing the potential for off-Site vapor intrusion. Groundwater monitoring wells were installed to monitor effectiveness and will be added to the semi-annual groundwater monitoring program. Soil vapor monitoring was also conducted to monitor the effectiveness of the PRB. Along with PRB construction information, the PRB *Construction Completion Report* (CCR) (ERM, February 2025) details imported material, disposal manifests, and groundwater sampling associated with PRB installation. The PRB CCR was approved by NYSDEC on 11 February 2025. The PRB and associated monitoring wells and associated sampling will be added to an updated SMP.

As discussed in the PRB CCR, excess zero valent iron was stockpiled and covered onsite in the southern parking lot for future asphalt paving projects by the property owner. The NYSDEC and property owner agreed for the zero valent iron will be used to level out the parking areas and act as a subbase for asphalt.

7. 2024 GROUNDWATER MONITORING

7.1 SEMI-ANNUAL GROUNDWATER VOC SAMPLING

A summary of the semi-annual groundwater sampling program is provided in Tables 2 and 3. As part of this work, comprehensive water level gauging of all Site wells was performed. Overburden groundwater elevation data for May 2024 and October 2024 gauging events are presented on Figures 4 and 5, respectively. Overburden groundwater generally flows south to southeast.

Bedrock groundwater elevation data for the May 2024 and October 2024 events are presented on Figures 6 and 7, respectively. Groundwater in bedrock generally flows toward the west with anisotropy in the fractured bedrock system resulting in some localized variations in the flow field.

Laboratory analytical results and geochemical parameter data are presented in Tables 4 and 5, respectively. Analytical results for the May and October groundwater sampling events are presented in Figures 8 through 11.

Appendix G contains charts of concentration vs. time for total chlorinated ethenes during the period 2014-2024. Appendix G also contains results of Mann-Kendall analyses for those wells with sufficient data to analyze[3]. The Mann-Kendall analysis was run over the period 2021-2024. This period represents the most recent 8 semiannual events, and prevents older data from biasing recent trends. A spatial presentation of the Mann-Kendall results for the constituents most consistently detected (TCE, cis-1,2-dichloroethene (cis-1,2-DCE), and vinyl chloride (VC)) is presented in Figures 12 and 13 for overburden and bedrock groundwater, respectively. These figures depict the most recent concentration magnitude and speciation, with concentration trends as determined by the Mann-Kendall analysis.

The trend data in Appendix G indicate that total chlorinated ethene concentrations are stable or decreasing in most wells. CVOC concentrations (Table 4) are dominated by TCE degradation products, cis-1,2-DCE and VC.

7.2 NATURAL ATTENUATION GROUNDWATER SAMPLING

Groundwater samples were collected in October 2024 to analyze dissolved gases, general chemistry, and certain metals to assess the potential for natural attenuation of CVOCs via biological reductive dechlorination. The results are presented in Table 6 and suggest the following interpretations:

- The presence of TCE degradation products (cis-1,2-DCE and VC) indicate that natural attenuation via biological reductive dechlorination is occurring.
- Dissolved gases (ethane, ethene and methane) are present in some wells indicating that complete degradation of the chlorinated ethenes is occurring in those wells.
- Dissolved oxygen concentrations are low (generally ≤0.6 mg/L), oxidation-reduction potential is generally negative and pH is approximately neutral. Geochemical conditions for reductive dechlorination are generally favorable.
- The potentially competing electron acceptors nitrate and iron^{+3} are not present in concentrations significant enough to impede reductive dechlorination of chlorinated ethenes. Sulfate concentrations are sporadically elevated (>100 mg/l), suggesting that the lower concentrations are indicative of sulfate-reducing conditions. The presence of dissolved methane in many wells is indicative of methanogenic conditions.

[3] Defined as a monitoring well data set with: (1) at least 50 percent of the samples have positive detections; and (2) a minimum of five samples have positive detections.

- In general, geochemical conditions are conducive to natural attenuation via biological reductive dechlorination.

Favorable geochemical conditions and the presence of CVOC daughter products are two lines of evidence indicating that CVOCs in groundwater are being completely degraded via biological reductive dechlorination at the Site,

7.3 BIO-TRAP SAMPLING

Concurrent with the chemical analyses, further evaluation of natural attenuation was performed by quantifying halorespiring bacteria populations at the Site and confirming the presence of the functional genes required for complete biodegradation. This was accomplished by deploying QuantArray® Bio-Trap–DNA samplers from Microbial Insights, Inc. in monitoring wells MW-11A, MW-53, and MW-26A. The traps were installed on 10 October 2024 and collected on 04 December 2024. Wells MW-11A, MW-53, and MW-26A were selected for analysis due to the presence of cis-1,2-DCE and VC. Analytical results are presented in Table 7 and Appendix M. Of note, Nitrite analysis was not completed in the December 2024 sampling event as the laboratory did not report these results..

Dehalococcoides (DHC) is the only genus of microbe known to completely biodegrade chlorinated ethenes from TCE to ethene (Maymó-Gatell et al 1999). DHC populations were detected in the three sampled monitoring wells, along with other genera known to partially biodegrade chlorinated ethenes, including *Desulfitobacterium* and *Dehalobacter*[4]. MW-11A and MW-26A also exhibited the presence of key functional genes necessary for complete biodegradation.

The presence of these various species capable of biodegrading CVOCs is a third line of evidence demonstrating that natural attenuation of CVOCs in groundwater via biological reductive dechlorination is occurring at the Site.

8. SUMMARY OF SOIL GAS SAMPLING RESULTS

Soil gas samples on the Saint Stanislaus Cemetery Property to the west of the Site were sampled concurrently with semi-annual groundwater events. Samples collected were analyzed via United States Environmental Protection Agency Method TO-15 by Pace Analytical Services LLC. Analytical results for these events are presented in Table 8 and Appendix N. Sampling locations are presented in Figure 14. No site-specific contaminants of concern were detected in soil gas from the May or October 2024 sampling events. These results indicate that the groundwater contamination present at the Saint Stanislaus Cemetery Property does not pose an exposure risk via soil gas migration to the surface. As these results have been consistent over time (TCE, cis-1,2-DCE, trans-1,2-DCE, nor VC have been historically detected in soil gas samples), ERM does not recommend continued soil gas sampling on the property.

ERM also collected soil gas samples in the SW corner of the Site in the vicinity of the PRB in June and September 2024. Analytical results for these events are presented in Table 8A. The Site-specific COCs detected in soil gas in the SW corner include TCE, cis-1,2-DCE, trans-1,2-DCE, and

[4] It is common to find a consortium of bacteria that are collectively capable of completely biodegrading chlorinated ethenes to ethene.

toluene. This sampling was conducted to establish baseline soil vapor conditions following the construction of the PRB. As such, no future soil gas sampling is planned in the SW corner.

9. SUMMARY OF UPCOMING SITE ACTIVITIES

Project tasks planned for the next reporting period are listed below in Table 9-1.

TABLE 9-1 SUMMARY OF UPCOMING SITE ACTIVITIES

Anticipated Activity	Anticipated Completion Date
Semi-annual Groundwater Sampling	May and October 2025
Semi-annual Soil Gas Sampling	May and October 2025
Quarterly Discharge Monitoring Reports[5]	March, June, September and December 2025
Annual Site Inspection	March 2026
Periodic Review Report (PRR)	May 2026

[5] The Discharge Monitoring Report schedule is subject to operation of the system. If the system remains off, quarterly discharge reporting is not required; semiannual “no discharge” notifications are required by the discharge permit.

10. REFERENCES

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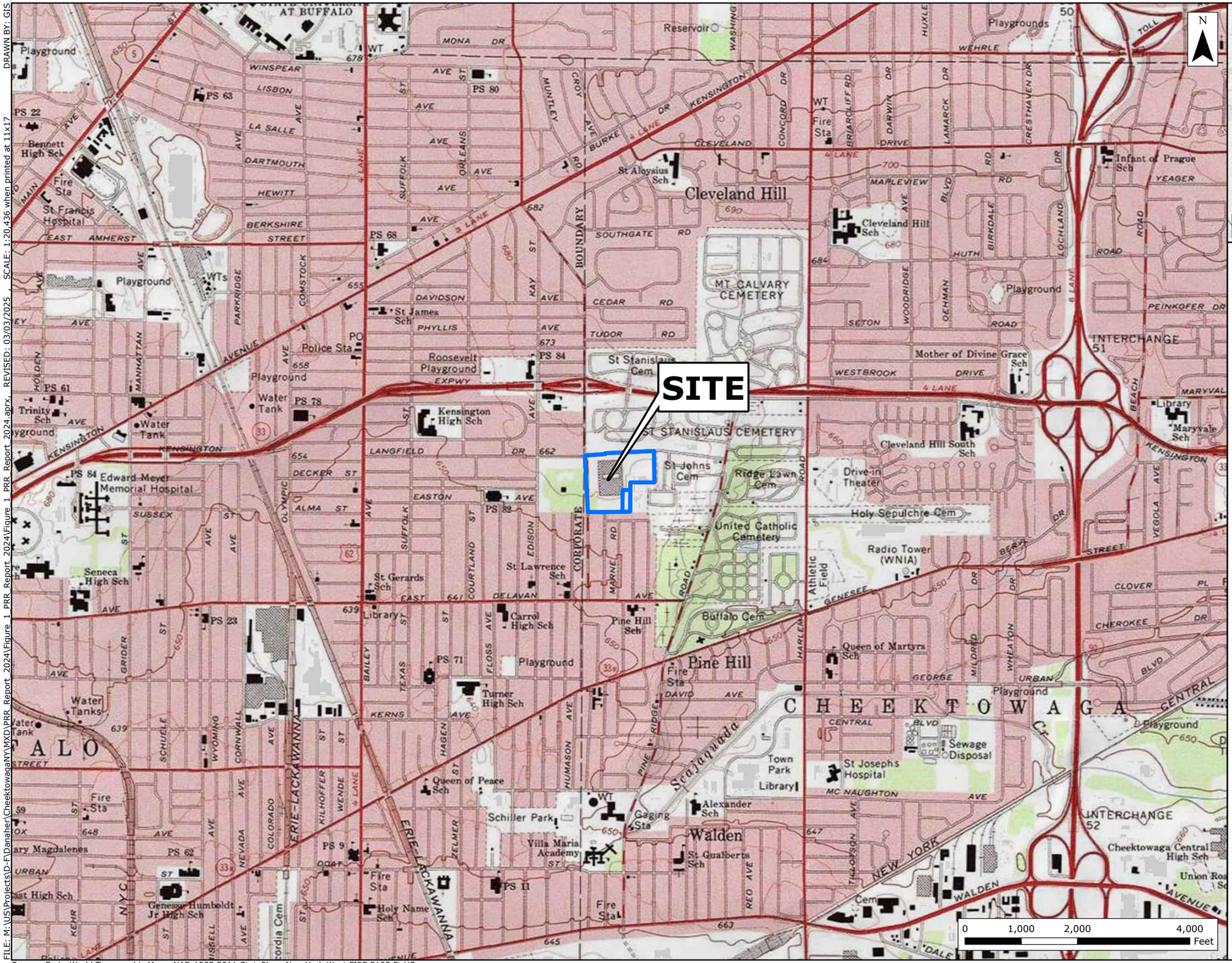
ERM. 2024. *Groundwater Extraction System Shutdown Test Report.* November 2024.

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Maymó-Gatell X, Anguish T, Zinder SH. 1999. *Reductive dechlorination of chlorinated ethenes and 1, 2-dichloroethane by "dehalococcoides ethenogenes" 195*. Applied and Environmental Microbiology. 1999;65:3108–13.

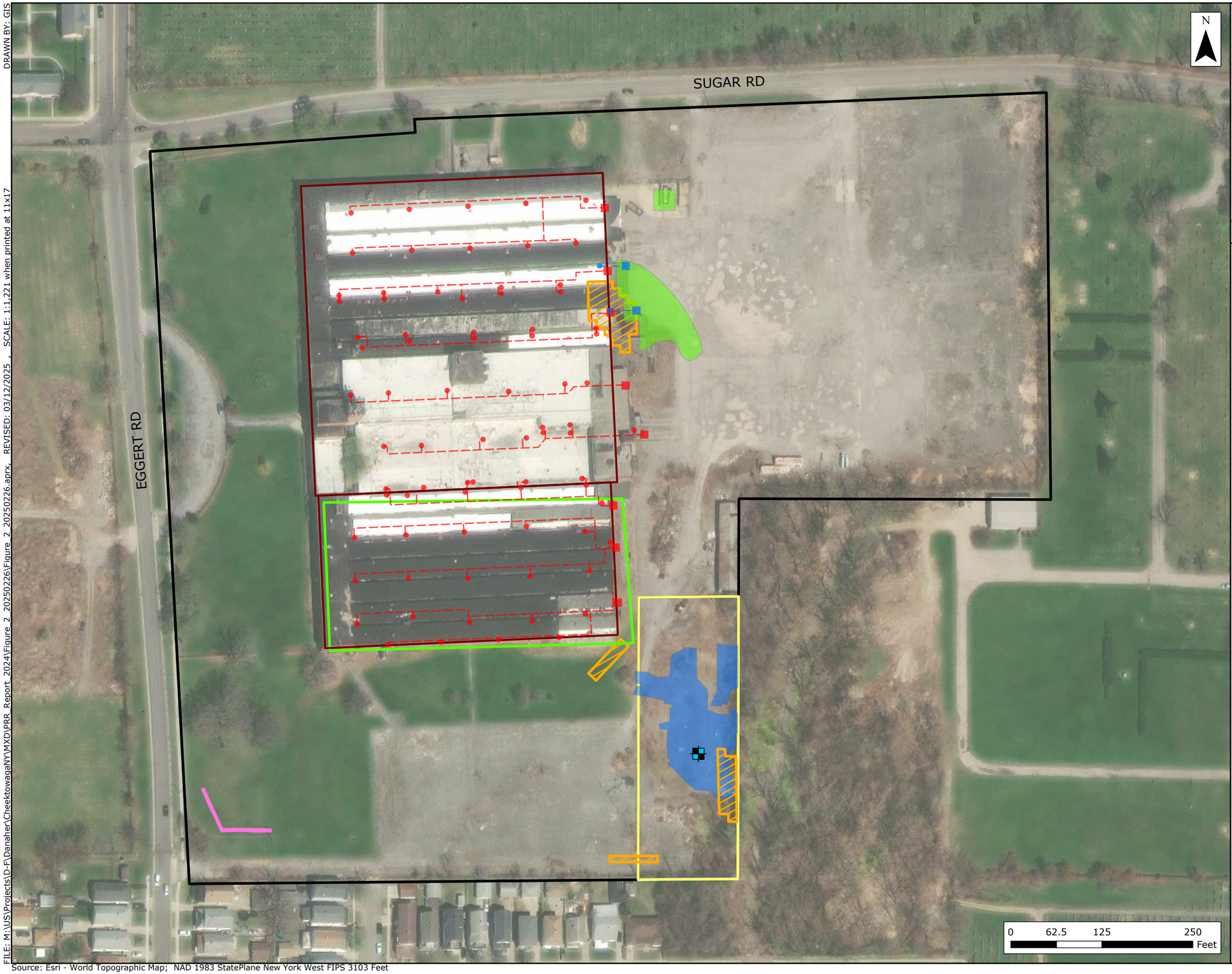
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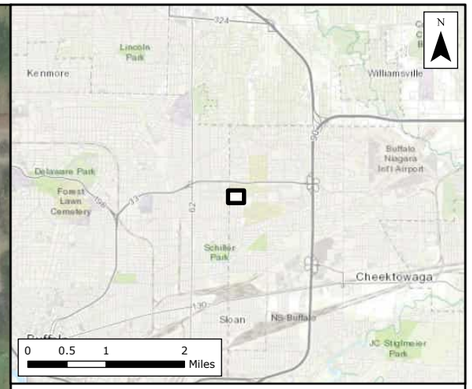
FIGURES



Source: Esri - World Topographic Map; NAD 1983 2011 StatePlane New York West FIPS 3103 Ft US

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Legend

- Groundwater Extraction Well
- Facility Outline
- Systems 7 and 8 Turned Off Due to Deteriorating of Building Conditions
- DVE/AS
- Bio-remediation Area
- Excavation Area
- PRB Area
- Site Property Boundary
- Leica-Owned Parcel

Warehouse Sub Slab Depressurization System

- Warehouse Exterior Mounted Fan
- Warehouse Vacuum Sump
- Warehouse PVC Piping

Loading Dock Sub Slab Depressurization System

- Loading Dock Exterior Mounted Fan
- Loading Dock Vacuum Sump
- Loading Dock PVC Piping

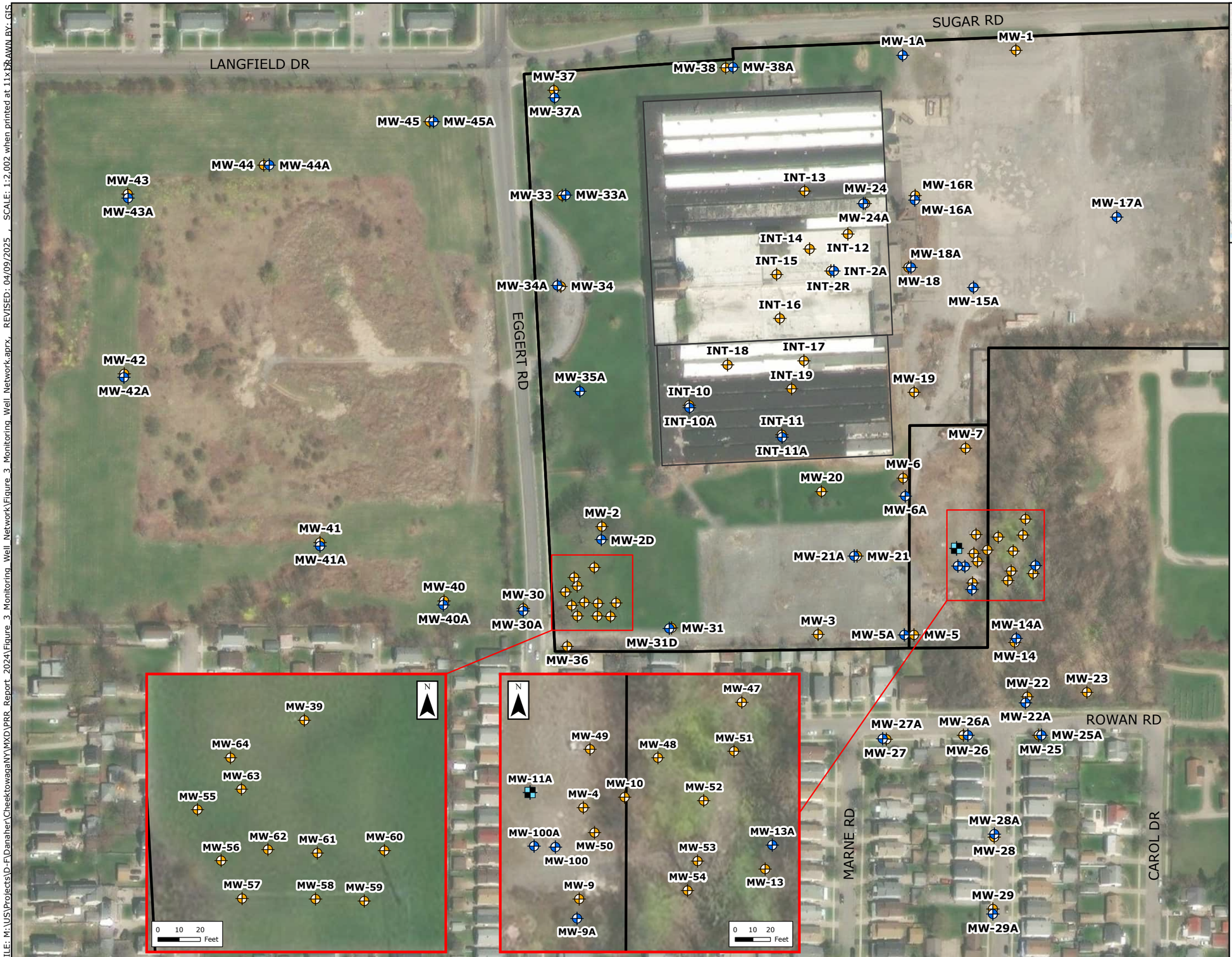
Notes:
- DVE/AS = Dual Vapor Extraction/Air Sparge
- ESRI World Imagery. Reproduced under license with ArcGIS Pro 3.3.2.

Figure 2
Remedy and Mitigation Measures
Former Leica, Inc. Facility
203 Eggert Road
Cheektowaga, New York

ERM

Source: Esri - World Topographic Map; NAD 1983 StatePlane New York West FIPS 3103 Feet

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Legend

- Overburden Monitoring Well
- Bedrock Monitoring Well
- Extraction Well
- Building Outline
- Site Property Boundary

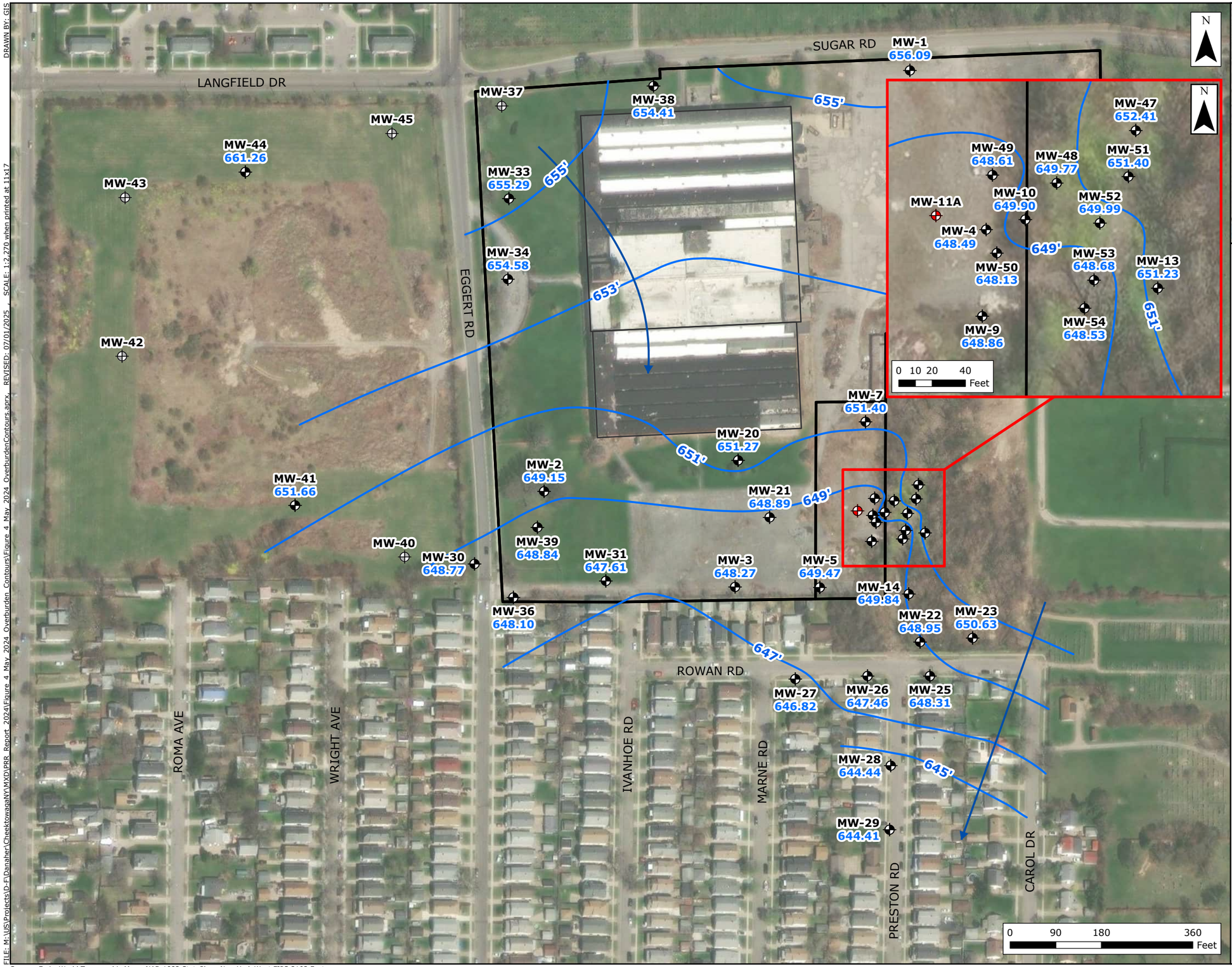
Notes:
- ESRI World Imagery. Reproduced under license with ArcGIS Pro 3.3.2.

Figure 3
Monitoring Well Network
Former Leica, Inc. Facility
203 Eggert Road
Cheektowaga, New York

ERM

Source: Esri - World Topographic Map; NAD 1983 StatePlane New York West FIPS 3103 Feet

FILE: M:\US\Projects\D-F\Danaher\CheektowagaNY\MXD\PRR_Report_2024\Figure_3_Monitoring_Well_Network.aprx, REVISED: 04/09/2025 , SCALE: 1:2,002 when printed at 11x17 DRAWN BY: GIS



Legend

- Monitoring Well
- Extraction Well
- Dry Monitoring Well - Dry/Low Recharge
- 645.07 Groundwater Elevation - feet
- Groundwater Contour - 2 feet
- Groundwater Flow Direction
- Building Outline
- Site Property Boundary

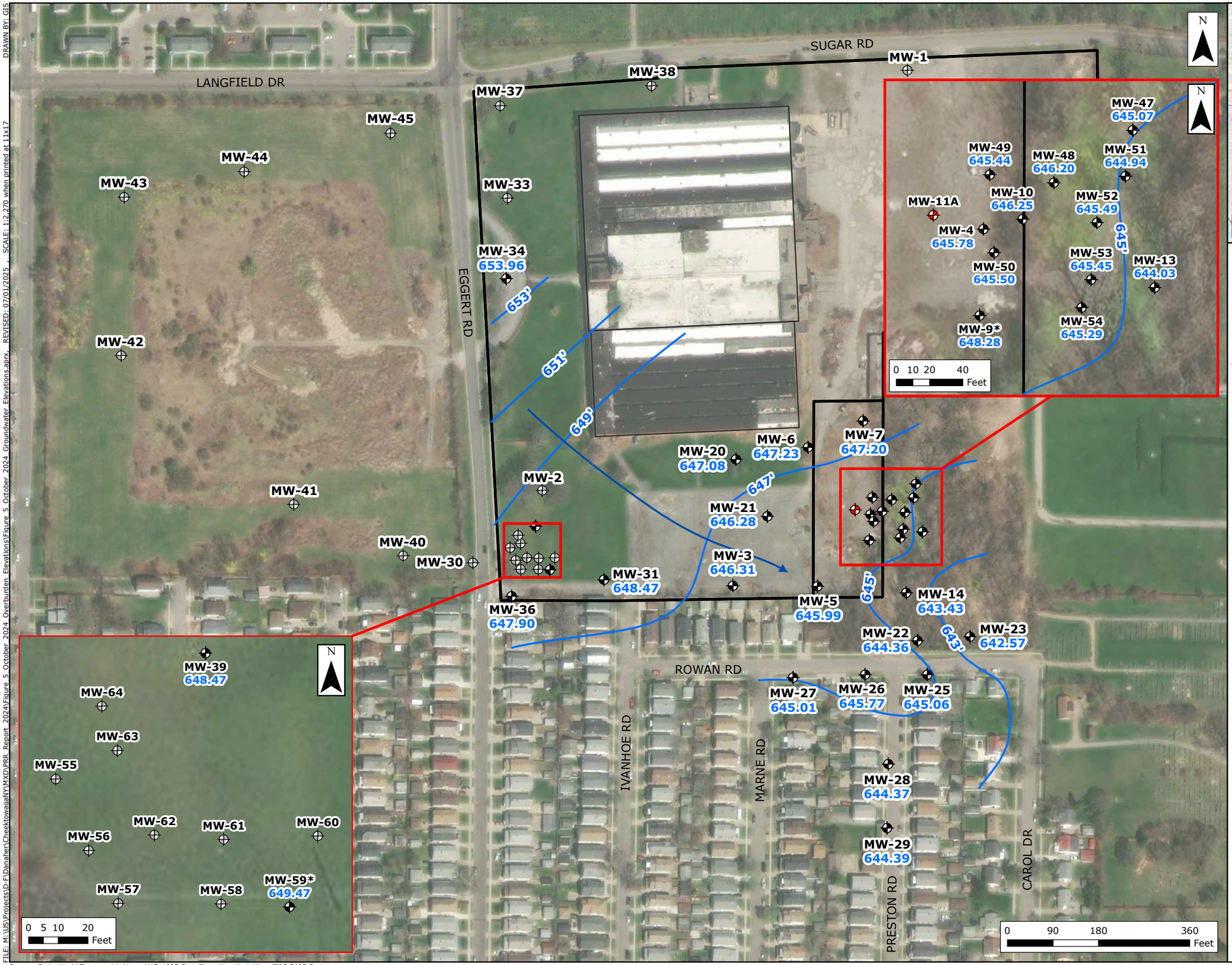
Notes:
- * = groundwater elevation not used in contour interpolation.
- Groundwater elevations measured on 05/06/2024.
- Groundwater elevations are reported as feet above mean sea level.
- MW-11A is a bedrock well and is shown for reference.
- ESRI World Imagery. Reproduced under license with ArcGIS Pro 3.3.2.

Figure 4
May 2024 Groundwater Flow Directions in Overburden
Former Leica, Inc. Facility
203 Eggert Road
Cheektowaga, New York

ERM

Source: Esri - World Topographic Map; NAD 1983 StatePlane New York West FIPS 3103 Feet

DRAWN BY: GIS
SCALE: 1:2,270 when printed at 11x17
REVISED: 07/01/2025
FILE: M:\US\Projects\D-F\Danaher\CheektowagaNY\MXD\PRR_Report_2024\Figure_4_May_2024_Overburden_Contours\Figure_4_May_2024_OverburdenContours.aprx



Legend

- Monitoring Well
- Extraction Well
- Dry Monitoring Well - Dry/Low Recharge
- 645.07 Groundwater Elevation - feet
- Groundwater Contour - 2 feet
- Groundwater Flow Direction
- Building Outline
- Site Property Boundary

Notes:
- * = groundwater elevation not used in contour interpolation.
- Groundwater elevations measured on 10/03/2024.
- Groundwater elevations are reported as feet above mean sea level.
- MW-11A is a bedrock well and is shown for reference.
- ESRI World Imagery. Reproduced under license with ArcGIS Pro 3.4.3.

Figure 5
October 2024 Groundwater Flow Directions in Overburden
Former Leica, Inc. Facility
203 Eggert Road
Cheektowaga, New York

ERM

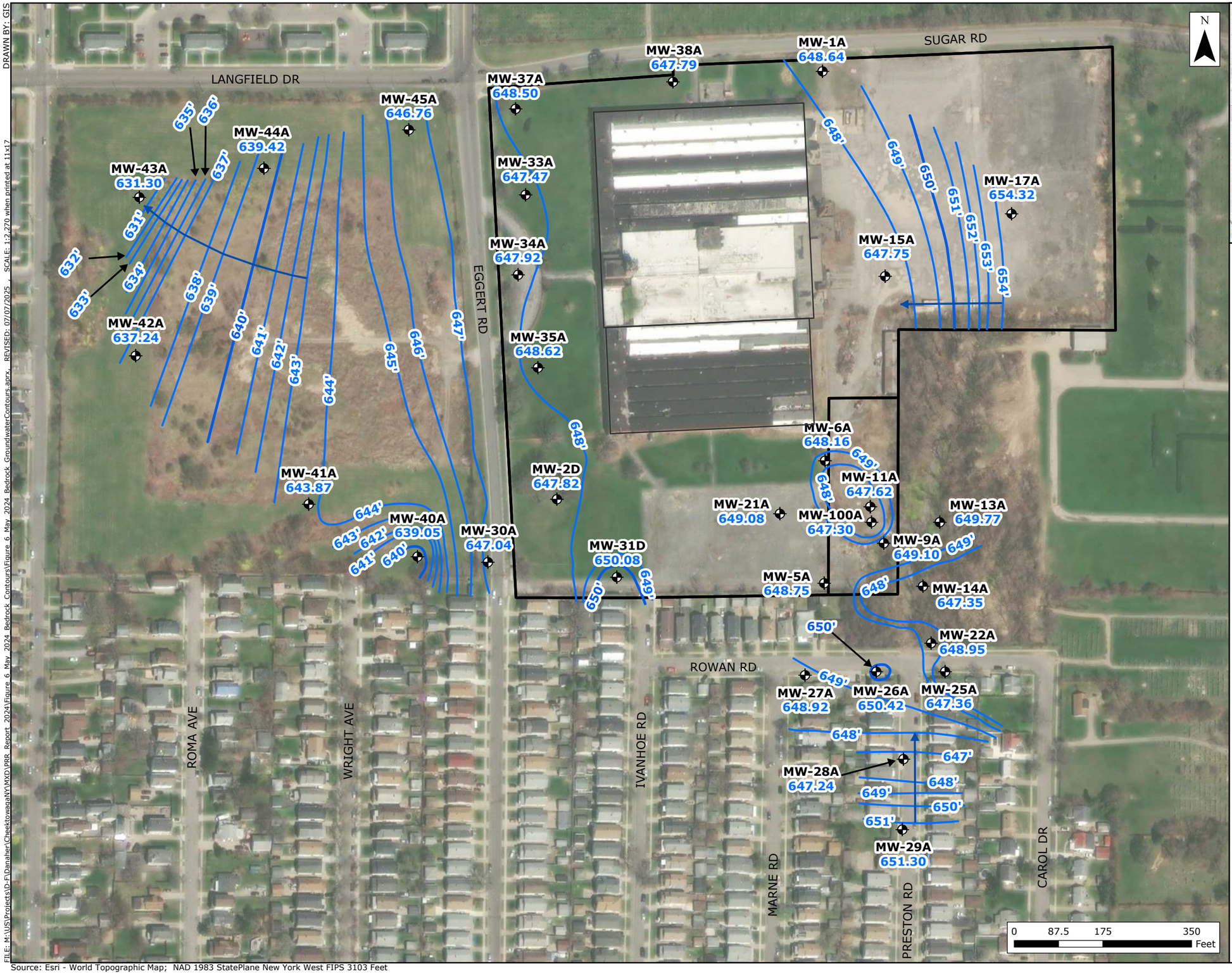
Source: Esri - World Topographic Map; NAD 1983 StatePlane New York West FIPS 3103 Feet

FILE: M:\US\Projects\D-F\Danaher\CheektowagaNY\MXD\PRR_Report_2024\Figure_5_October_2024_Overburden_Elevations\Figure_5_October_2024_Groundwater_Elevations.aprx, REVISED: 07/01/2025 , SCALE: 1:2,270 when printed at 11x17

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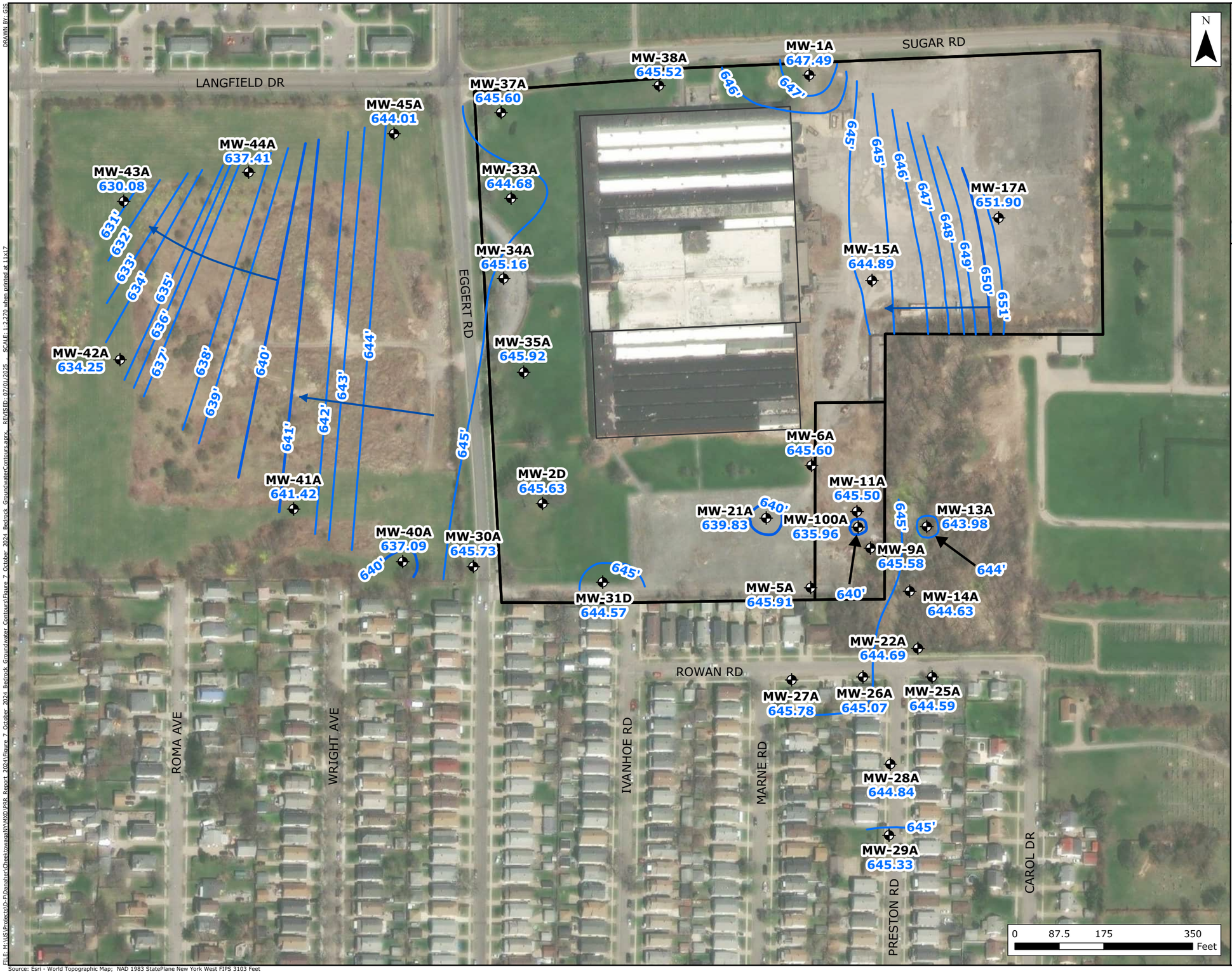
- Monitoring Well
- Extraction Well
- 631.30 Groundwater Elevation - feet
- Groundwater Contour - 10 feet
- Groundwater Contour - 1 foot
- Groundwater Flow Direction
- Building Outline
- Site Property Boundary

Notes:
- Groundwater elevations measured on 05/06/2024.
- Groundwater elevations are reported as feet above mean sea level.
- ESRI World Imagery. Reproduced under license with ArcGIS Pro 3.3.2.

Figure 6
May 2024 Groundwater Flow Directions in Bedrock
Former Leica, Inc. Facility
203 Eggert Road
Cheektowaga, New York

ERM

Source: Esri - World Topographic Map; NAD 1983 StatePlane New York West FIPS 3103 Feet



Legend

- Monitoring Well
- Extraction Well
- 630.08 Groundwater Elevation - feet
- Groundwater Contour - 10 feet
- Groundwater Contour - 1 foot
- Groundwater Flow Direction
- Building Outline
- Site Property Boundary

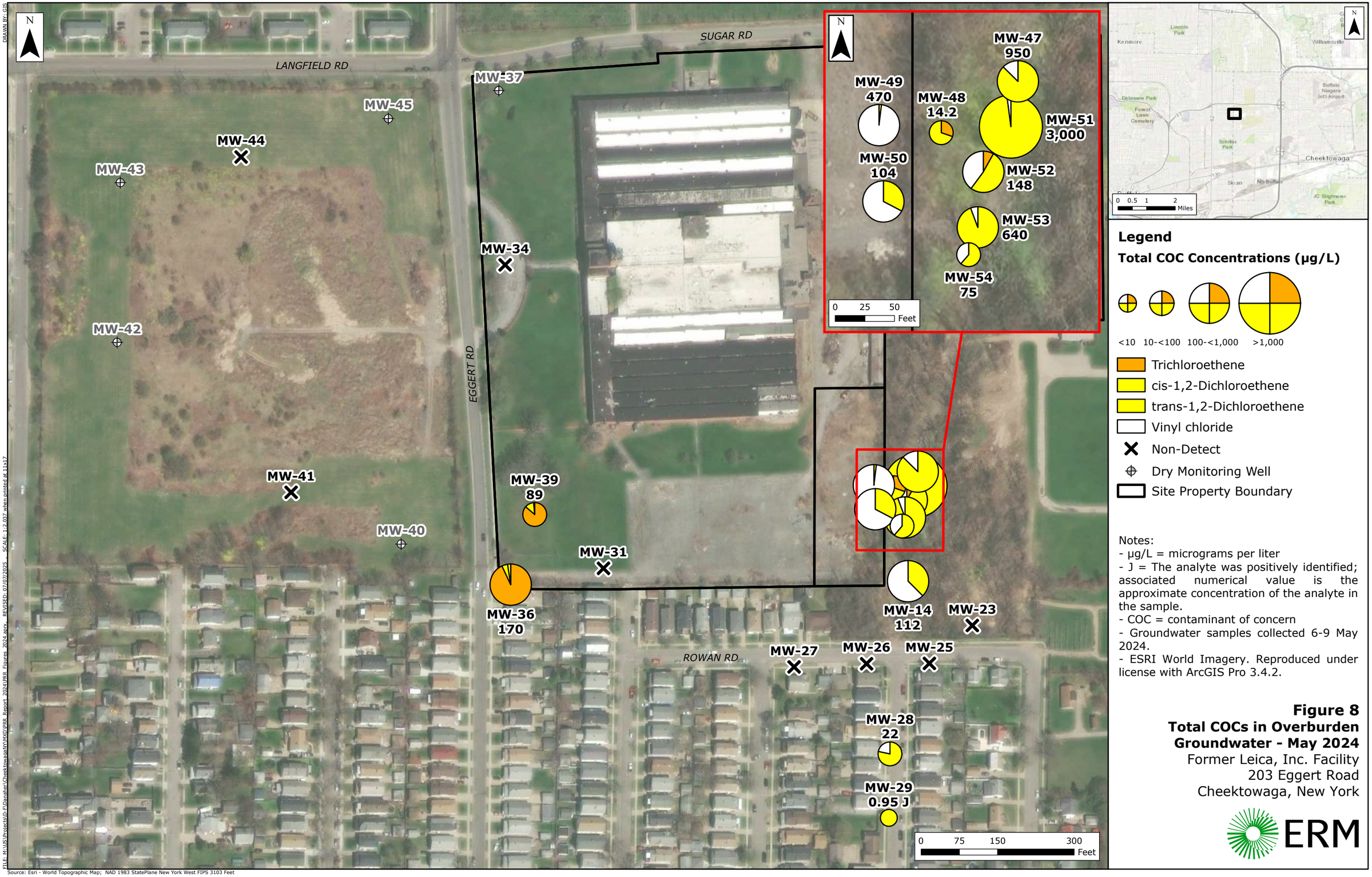
Notes:
- Groundwater elevations measured on 10/03/2024.
- Groundwater elevations are reported as feet above mean sea level.
- ESRI World Imagery. Reproduced under license with ArcGIS Pro 3.3.2.

Figure 7
October 2024 Groundwater Flow Directions in Bedrock
Former Leica, Inc. Facility
203 Eggert Road
Cheektowaga, New York

ERM

Source: Esri - World Topographic Map; NAD 1983 StatePlane New York West FIPS 3103 Feet

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SCALE: 1:2,270 when printed at 11x17
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Legend

Total COC Concentrations (µg/L)

<10 10-<100 100-<1,000 >1,000

- Trichloroethene
- cis-1,2-Dichloroethene
- trans-1,2-Dichloroethene
- Vinyl chloride
- Non-Detect
- Dry Monitoring Well
- Site Property Boundary

Notes:
- µg/L = micrograms per liter
- J = The analyte was positively identified; associated numerical value is the approximate concentration of the analyte in the sample.
- COC = contaminant of concern
- Groundwater samples collected 6-9 May 2024.
- ESRI World Imagery. Reproduced under license with ArcGIS Pro 3.4.2.

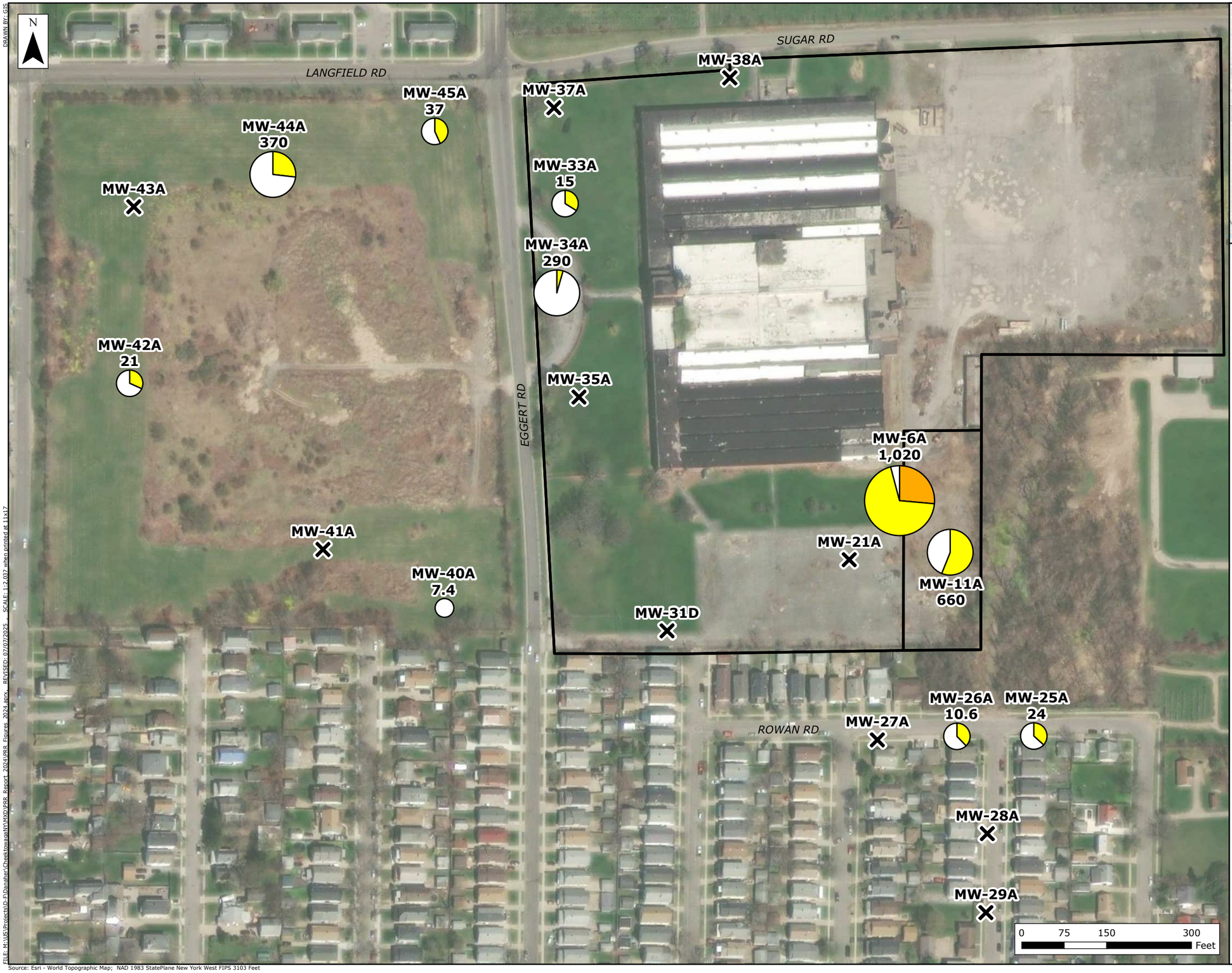
Figure 8
Total COCs in Overburden Groundwater - May 2024
Former Leica, Inc. Facility
203 Eggert Road
Cheektowaga, New York

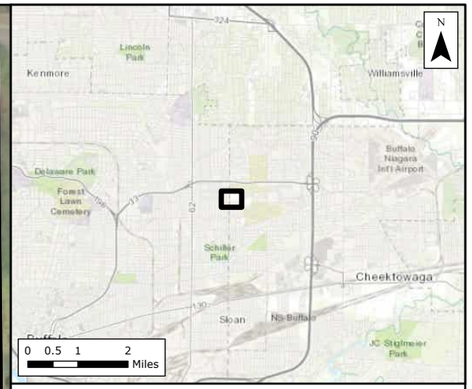
ERM

Source: Esri - World Topographic Map; NAD 1983 StatePlane New York West FIPS 3103 Feet

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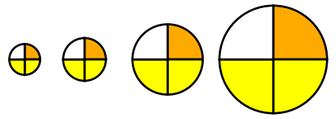
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Legend

Total COC Concentrations (µg/L)



- Trichloroethene
- cis-1,2-Dichloroethene
- trans-1,2-Dichloroethene
- Vinyl chloride
- Non-Detect
- Site Property Boundary

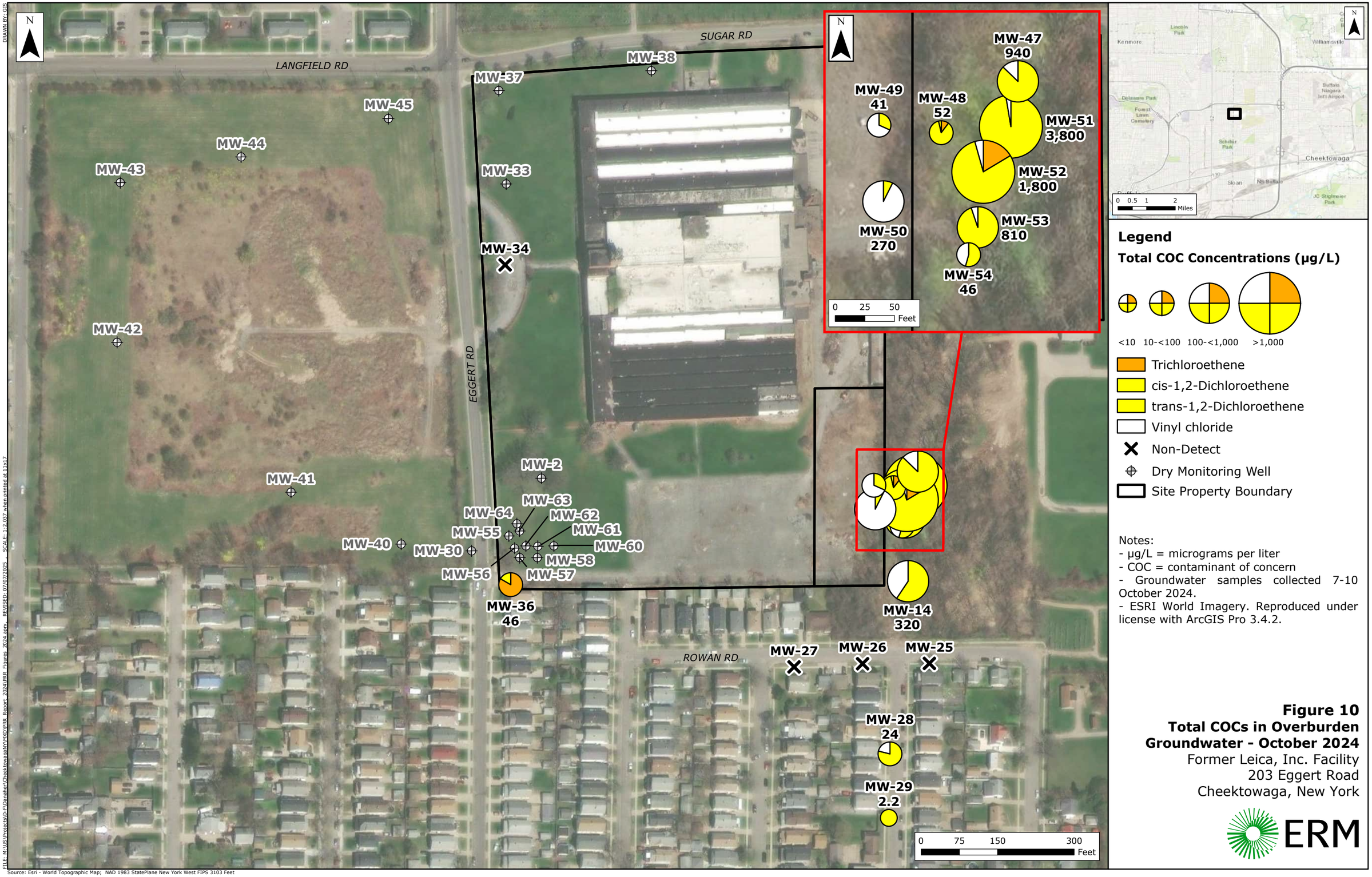
Notes:
- µg/L = micrograms per liter
- COC = contaminant of concern
- Groundwater samples collected 6-9 May 2024.
- ESRI World Imagery. Reproduced under license with ArcGIS Pro 3.4.2.

Figure 9
Total COCs in Bedrock Groundwater - May 2024
Former Leica, Inc. Facility
203 Eggert Road
Cheektowaga, New York

ERM

Source: Esri - World Topographic Map; NAD 1983 StatePlane New York West FIPS 3103 Feet

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Legend

Total COC Concentrations (µg/L)

<10 10-<100 100-<1,000 >1,000

- Trichloroethene
- cis-1,2-Dichloroethene
- trans-1,2-Dichloroethene
- Vinyl chloride
- Non-Detect
- Dry Monitoring Well
- Site Property Boundary

Notes:
- µg/L = micrograms per liter
- COC = contaminant of concern
- Groundwater samples collected 7-10 October 2024.
- ESRI World Imagery. Reproduced under license with ArcGIS Pro 3.4.2.

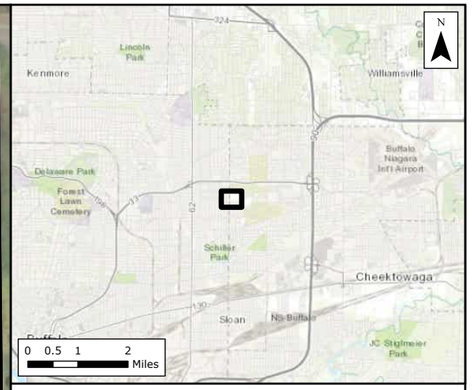
Figure 10
Total COCs in Overburden Groundwater - October 2024
Former Leica, Inc. Facility
203 Eggert Road
Cheektowaga, New York

ERM

Source: Esri - World Topographic Map; NAD 1983 StatePlane New York West FIPS 3103 Feet

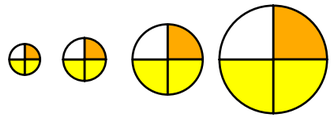
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Legend

Total COC Concentrations (µg/L)



- Trichloroethene
- cis-1,2-Dichloroethene
- trans-1,2-Dichloroethene
- Vinyl chloride
- Non-Detect
- Site Property Boundary

Notes:
- µg/L = micrograms per liter
- J = The analyte was positively identified; associated numerical value is the approximate concentration of the analyte in the sample.
- COC = contaminant of concern
- Groundwater samples collected 7-10 October 2024.
- ESRI World Imagery. Reproduced under license with ArcGIS Pro 3.4.2.

Figure 11
Total COCs in Bedrock Groundwater - October 2024
Former Leica, Inc. Facility
203 Eggert Road
Cheektowaga, New York

ERM

Source: Esri - World Topographic Map; NAD 1983 StatePlane New York West FIPS 3103 Feet

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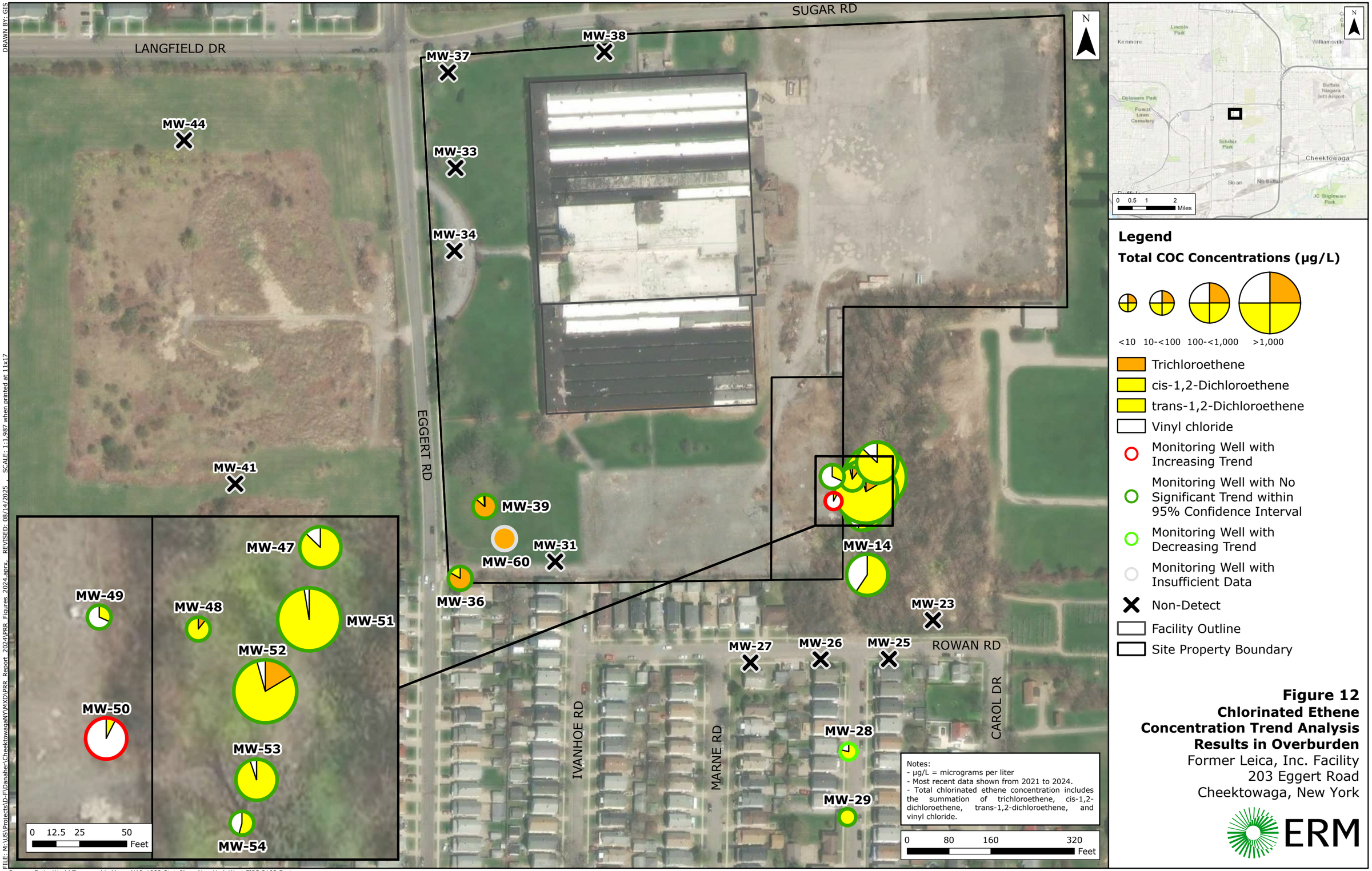


Figure 12
Chlorinated Ethene Concentration Trend Analysis Results in Overburden
Former Leica, Inc. Facility
203 Eggert Road
Cheektowaga, New York

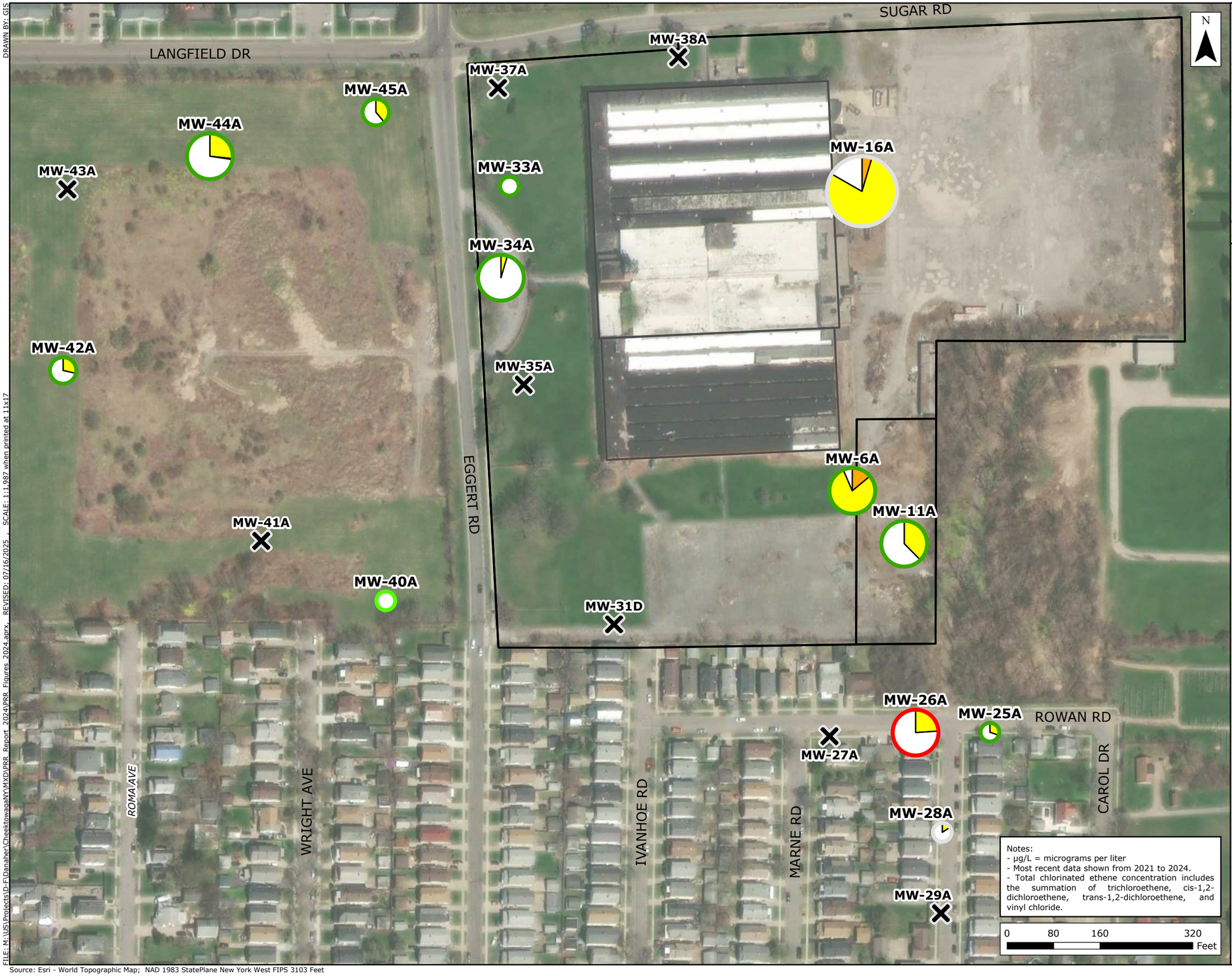
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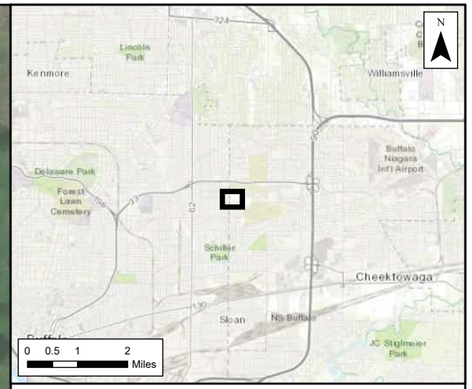
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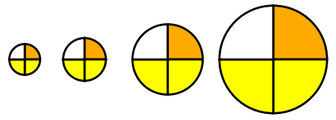
Source: Esri - World Topographic Map; NAD 1983 StatePlane New York West FIPS 3103 Feet





Legend

Total COC Concentrations (µg/L)



- Trichloroethene
- cis-1,2-Dichloroethene
- trans-1,2-Dichloroethene
- Vinyl chloride
- Monitoring Well with Increasing Trend
- Monitoring Well with No Significant Trend within 95% Confidence Interval
- Monitoring Well with Decreasing Trend
- Monitoring Well with Insufficient Data
- Non-Detect
- Facility Outline
- Site Property Boundary

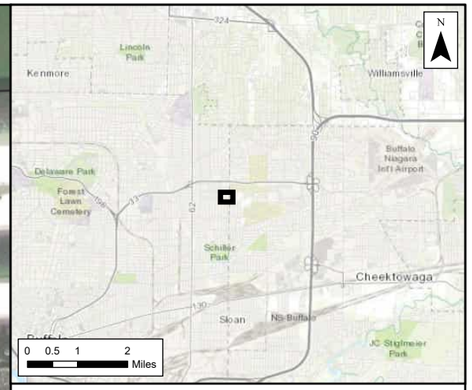
Figure 13
Chlorinated Ethene Concentration Trend Analysis Results in Bedrock
Former Leica, Inc. Facility
203 Eggert Road
Cheektowaga, New York

ERM

Source: Esri - World Topographic Map; NAD 1983 StatePlane New York West FIPS 3103 Feet

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Legend

- Soil Gas Sample Location
- Building Outline
- Site Property Boundary

Notes:
- ESRI World Imagery. Reproduced under license with ArcGIS Pro 3.4.3.

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Feet

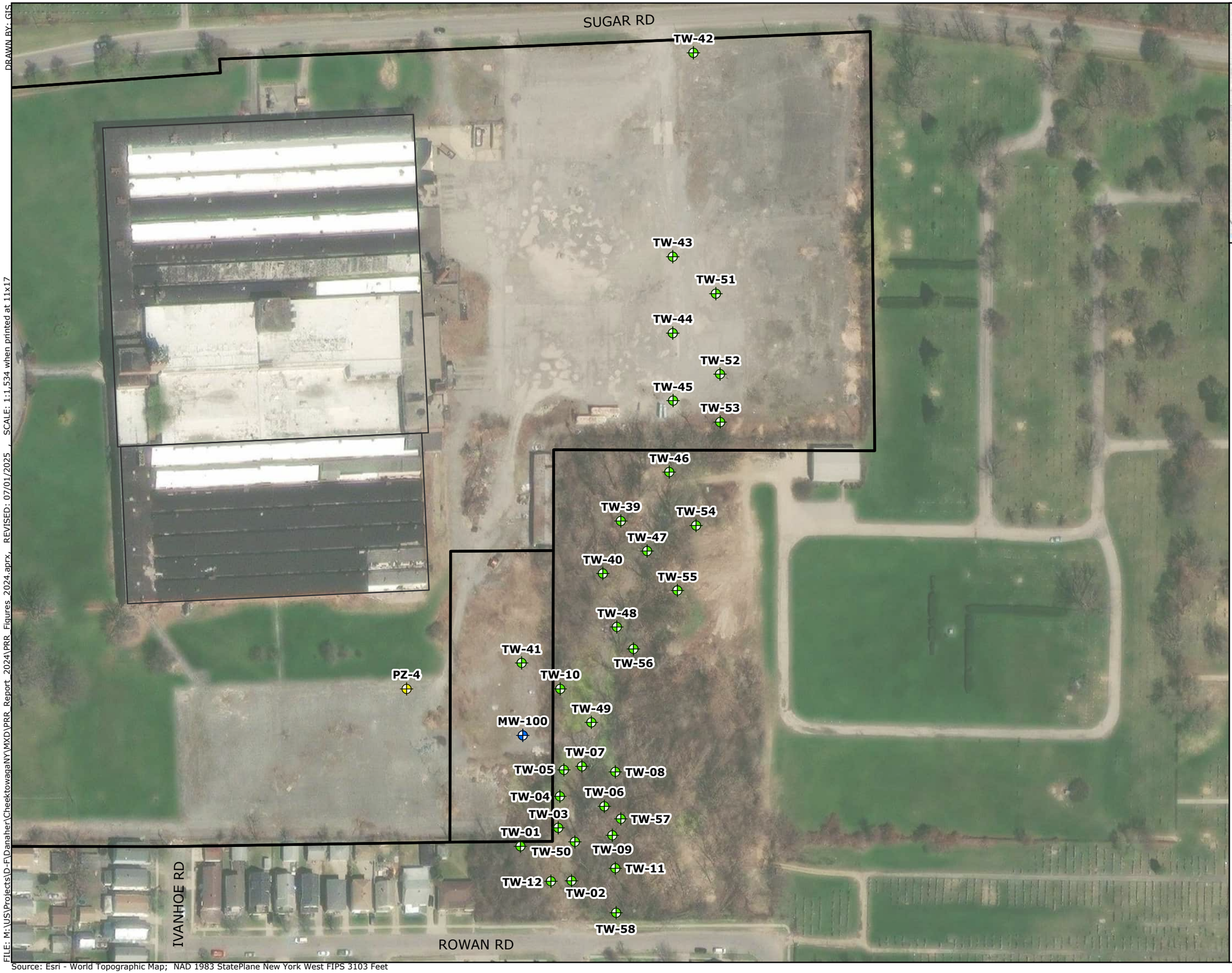
Figure 14
Soil Gas Sample Locations
Former Leica, Inc. Facility
203 Eggert Road
Cheektowaga, New York

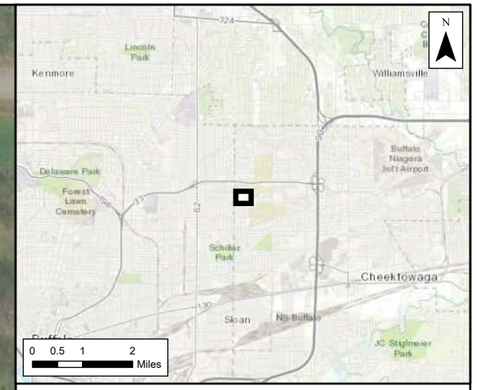
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Source: Esri - World Topographic Map; NAD 1983 StatePlane New York West FIPS 3103 Feet

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Legend

- Temporary Well Location
- Monitoring Well Location
- Piezometer Location
- Building Outline
- Site Property Boundary

Notes:
- Temporary wells were decommissioned May 2024.
- ESRI World Imagery. Reproduced under license with ArcGIS Pro 3.3.2.

N

0 140 280

Feet

Figure 15
Decommissioned Locations
Former Leica, Inc. Facility
203 Eggert Road
Cheektowaga, New York

ERM

Source: Esri - World Topographic Map; NAD 1983 StatePlane New York West FIPS 3103 Feet

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ERM

TABLES

Table 1 - Summary of Groundwater Extraction System Discharge
Operations Former Leica, Inc. Facility
Cheektowaga, New York

Date	Meter Reading (gallons)	Flow (gallons)	Average Daily Flow (gallons per day)	Comments
5/6/2024	1,111,879			
		10,990	999	
5/17/2024	1,122,869			Effluent sample collected on 5/17/2024
		17,652	981	
6/4/2024	1,140,521			NYSDEC approved shutdown of groundwater extraction system, startup pending.

28,642	**Total Gallons Discharged from 5/6/2024 - 6/4/2024**

Table 2
Summary of Groundwater Sampling Program
Former Leica Microsystems - Cheektowaga Facility
Cheektowaga, New York

Well ID	Sample Collection Method			Analysis	
	Grab	Low-Flow	Gauge Only	VOCs (EPA Method 8260)	Metals, Dissolved Gases, General Chemistry[1]
MW-6A		S,F+		X	X
MW-11A	S	F		X	X
MW-14	F	S		X	X
MW-16A					
MW-23	S		F*~	X	
MW-24A					
MW-25	F	S		X	X
MW-25A		S,F		X	X
MW-26	S	F		X	X
MW-26A		S,F		X	X
MW-27	F	S		X	
MW-27A		S,F		X	
MW-28		S,F		X	X
MW-28A		S,F		X	X
MW-29		S,F		X	X
MW-29A		S,F		X	X
MW-31	S		F	X	
MW-31D		S	F	X	
MW-33			S*,F*		
MW-33A		S,F		X	
MW-34	S,F			X	
MW-34A		S,F		X	X
MW-35A		S,F		X	
MW-36	S,F			X	
MW-37			S*,F*	X	
MW-37A		S,F		X	
MW-38			S*F*		
MW-38A	F	S		X	
MW-39	S		F*	X	
MW-40			S*,F*		
MW-40A		S,F		X	
MW-41	S		F*	X	
MW-41A		S,F		X	
MW-42			S*,F*		
MW-42A		S,F		X	
MW-43			S*,F*		
MW-43A		S,F		X	
MW-44		S	F*	X	
MW-44A		S,F		X	
MW-45			S*,F*		
MW-45A		S,F		X	
MW-47		S,F		X	X
MW-48	F	S		X	X
MW-49	F	S		X	X
MW-50		S,F		X	X
MW-51	F	S		X	X
MW-52	F	S		X	X
MW-53	S,F			X	X
MW-54	F	S		X	X
MW-55			S*,F*	X	
MW-56			S*,F*	X	
MW-57			S*,F*	X	
MW-58			S*,F*	X	
MW-59			S*,F*	X	
MW-60			S*,F*	X	
MW-61			S*,F*	X	
MW-62			S*,F*	X	
MW-63			S*,F*	X	
MW-64			S*,F*	X	
INT-2R					
INT-13					
INT-14					

Notes:

This table reflects the monitoring that was completed during the reporting year.

Semiannual groundwater monitoring events were conducted in May and October 2024.

Wells in bold are required to be sampled per the Site Management Plan

Wells that could not be accessed due to building conditions.

[1] = Well sampled in October for the listed analytes in addition to VOCs as per Natural Attenuation Work Plan

+ = Well is normally only annually sampled in May, but added in October as per Natural Attenuation Work Plan

~ = Low flow sampling was attemped but it went dry and did not recharge enough to collect a sample.
Field parameters are reported in Table 4.

* = Wells that were only gauged did not have sufficient volume to collect a sample.

S = the location was monitored during the May 2024 event.

F = the location was monitored during the October 2024 event.

VOC = volatile organic compound

Table 3
Summary of Groundwater Gauging Data
Former Leica Microsystems - Cheektowaga Facility
Cheektowaga, New York

Well	Measurement Date	Reference Elevation (ft amsl)	Depth to Water (feet)	Groundwater Elevation (ft amsl)
MW-1*	5/6/2024 10/3/2024	661.63	5.54 Dry	656.09 --
MW-1A*	5/6/2024 10/3/2024	662.79	14.15 15.30	648.64 647.49
MW-2	5/6/2024 10/3/2024	656.50	7.35 Dry	649.15 --
MW-2D*	5/6/2024 10/3/2024	656.23	8.41 10.60	647.82 645.63
MW-3*	5/6/2024 10/3/2024	655.26	6.99 8.95	648.27 646.31
MW-4	5/6/2024 10/3/2024	655.69	7.20 9.91	648.49 645.78
MW-5*	5/6/2024 10/3/2024	654.17	4.70 8.18	649.47 645.99
MW-5A*	5/6/2024 10/3/2024	654.14	5.39 8.23	648.75 645.91
MW-6	5/6/2024 10/3/2024	660.84	NM 13.61	-- 647.23
MW-6A*	5/6/2024 10/3/2024	658.74	10.58 13.14	648.16 645.60
MW-7*	5/6/2024 10/3/2024	657.53	6.13 10.33	651.40 647.20
MW-9	5/6/2024 10/3/2024	654.56	5.70 6.28	648.86 648.28
MW-9A*	5/6/2024 10/3/2024	654.18	5.08 8.60	649.10 645.58
MW-10*	5/6/2024 10/3/2024	654.83	4.93 8.58	649.90 646.25
MW-11A*	5/6/2024 10/3/2024	656.07	8.45 10.57	647.62 645.50
MW-13*	5/6/2024 10/3/2024	654.03	2.80 10.00	651.23 644.03
MW-13A	5/6/2024 10/3/2024	653.61	3.84 9.63	649.77 643.98
MW-14*	5/6/2024 10/3/2024	652.79	2.95 9.36	649.84 643.43
MW-14A*	5/6/2024 10/3/2024	653.05	5.70 8.42	647.35 644.63
MW-15A	5/6/2024 10/3/2024	657.64	9.89 12.75	647.75 644.89
MW-17A*	5/6/2024 10/3/2024	658.50	4.18 6.60	654.32 651.90
MW-20*	5/6/2024 10/3/2024	658.42	7.15 11.34	651.27 647.08
MW-21	5/6/2024 10/3/2024	657.16	8.27 10.88	648.89 646.28
MW-21A	5/6/2024 10/3/2024	656.68	7.60 16.85	649.08 639.83
MW-22*	5/6/2024 10/3/2024	651.71	2.76 7.35	648.95 644.36
MW-22A*	5/6/2024 10/3/2024	653.69	6.01 9.00	647.68 644.69
MW-23*	5/6/2024 10/3/2024	655.21	4.58 12.64	650.63 642.57
MW-25*	5/6/2024 10/3/2024	652.36	4.05 7.30	648.31 645.06
MW-25A*	5/6/2024 10/3/2024	652.49	5.13 7.90	647.36 644.59
MW-26*	5/6/2024 10/3/2024	652.77	5.31 7.00	647.46 645.77
MW-26A*	5/6/2024 10/3/2024	652.87	2.45 7.80	650.42 645.07
MW-27*	5/6/2024 10/3/2024	653.91	7.09 8.90	646.82 645.01
MW-27A*	5/6/2024 10/3/2024	654.03	5.11 8.25	648.92 645.78
MW-28*	5/6/2024 10/3/2024	652.42	7.98 8.05	644.44 644.37
MW-28A*	5/6/2024 10/3/2024	652.19	4.95 7.35	647.24 644.84
MW-29*	5/6/2024 10/3/2024	652.29	7.88 7.90	644.41 644.39
MW-29A*	5/6/2024 10/3/2024	652.18	0.88 6.85	651.30 645.33
MW-30*	5/6/2024 10/3/2024	655.83	7.06 Dry	648.77 --
MW-30A*	5/6/2024 10/3/2024	655.53	8.49 9.80	647.04 645.73
MW-31*	5/6/2024 10/3/2024	655.32	7.71 6.85	647.61 648.47
MW-31D*	5/6/2024 10/3/2024	655.10	5.02 10.53	650.08 644.57
MW-33	5/6/2024 10/3/2024	661.89	6.60 Dry	655.29 --

Notes:
All measurements taken during gauging event pre-sampling
ft = feet
amsl = above mean sea level
-- = not applicable
NM = not measured
Dry = well was dry upon gauging
* = Surveyed 11/4/2024

Table 3
Summary of Groundwater Gauging Data
Former Leica Microsystems - Cheektowaga Facility
Cheektowaga, New York

Well	Measurement Date	Reference Elevation (ft amsl)	Depth to Water (feet)	Groundwater Elevation (ft amsl)
MW-33A	5/6/2024 10/3/2024	661.83	14.36 17.15	647.47 644.68
MW-34	5/6/2024 10/3/2024	661.41	6.83 7.45	654.58 653.96
MW-34A	5/6/2024 10/3/2024	661.31	13.39 16.15	647.92 645.16
MW-35A	5/6/2024 10/3/2024	659.47	10.85 13.55	648.62 645.92
MW-36	5/6/2024 10/3/2024	655.14	7.04 7.24	648.10 647.90
MW-37	5/6/2024 10/3/2024	664.27	Dry Dry	-- --
MW-37A	5/6/2024 10/3/2024	663.95	15.45 18.35	648.50 645.60
MW-38	5/6/2024 10/3/2024	660.31	5.90 Dry	654.41 --
MW-38A	5/6/2024 10/3/2024	660.22	12.43 14.70	647.79 645.52
MW-39	5/6/2024 10/3/2024	655.67	6.83 7.20	648.84 648.47
MW-40	5/6/2024 10/3/2024	659.57	Dry Dry	-- --
MW-40A	5/6/2024 10/3/2024	658.09	19.04 21.00	639.05 637.09
MW-41	5/6/2024 10/3/2024	661.21	9.55 Dry	651.66 --
MW-41A	5/6/2024 10/3/2024	659.82	15.95 18.40	643.87 641.42
MW-42	5/6/2024 10/3/2024	662.20	Dry Dry	-- --
MW-42A	5/6/2024 10/3/2024	660.14	22.90 25.89	637.24 634.25
MW-43	5/6/2024 10/3/2024	665.28	Dry Dry	-- --
MW-43A	5/6/2024 10/3/2024	663.73	32.43 33.65	631.30 630.08
MW-44	5/6/2024 10/3/2024	669.46	8.20 Dry	661.26 --
MW-44A	5/6/2024 10/3/2024	668.46	29.04 31.05	639.42 637.41
MW-45	5/6/2024 10/3/2024	667.97	Dry Dry	-- --
MW-45A	5/6/2024 10/3/2024	666.41	19.65 22.40	646.76 644.01
MW-47	5/6/2024 10/3/2024	653.79	1.38 8.72	652.41 645.07
MW-48	5/6/2024 10/3/2024	654.39	4.62 8.19	649.77 646.20
MW-49	5/6/2024 10/3/2024	654.92	6.31 9.48	648.61 645.44
MW-50	5/6/2024 10/3/2024	654.25	6.12 8.75	648.13 645.50
MW-51	5/6/2024 10/3/2024	653.62	2.22 8.68	651.40 644.94
MW-52	5/6/2024 10/3/2024	653.79	3.80 8.30	649.99 645.49
MW-53	5/6/2024 10/3/2024	653.13	4.45 7.68	648.68 645.45
MW-54	5/6/2024 10/3/2024	653.18	4.65 7.89	648.53 645.29
MW-55	10/3/2024	655.98	Dry	--
MW-56	10/3/2024	655.59	Dry	--
MW-57	10/3/2024	655.18	Dry	--
MW-58	10/3/2024	655.06	Dry	--
MW-59	10/3/2024	654.97	5.50	649.47
MW-60	10/3/2024	655.35	Dry	--
MW-61	10/3/2024	655.25	Dry	--
MW-62	10/3/2024	655.31	Dry	--
MW-63	10/3/2024	655.67	Dry	--
MW-64	10/3/2024	655.83	Dry	--
MW-100A	5/6/2024 10/3/2024	657.23	9.93 21.27	647.30 635.96

Notes:
All measurements taken during gauging event pre-sampling
ft = feet
amsl = above mean sea level
-- = not applicable
NM = not measured
Dry = well was dry upon gauging
* = Surveyed 11/4/2024

Table 4
Groundwater Summary Table - Detected Compounds Only
Former Leica Microsystems - Cheektowaga Facility
Cheektowaga, New York

Analyte	NY TOGS 1.1.1 CLASS GA	Site-Specific Original RAO	Location ID	MW-6A	MW-6A	MW-6A	MW-11A+	MW-11A	MW-14	MW-14	MW-23	MW-25+	MW-25	MW-25A+	MW-25A	MW-26+
			Sample Date	5/8/2024	5/8/2024	10/8/2024	5/7/2024	10/8/2024	5/8/2024	10/10/2024	5/8/2024	5/9/2024	10/8/2024	5/8/2024	10/8/2024	5/8/2024
			Sample Type	N	FD	N	N	N	N	N	N	N	N	N	N	N
			Unit													
1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113)	5	NS	µg/L	< 10	< 10	< 10	< 10	< 2.0	< 4.0	< 4.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	**5**	NS	µg/L	**5.4 J**	**7.3 J**	**6.0 J**	< 10	< 2.0	< 4.0	< 4.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	**5**	NS	µg/L	**4.6 J**	**6.9 J**	**5.9 J**	< 10	< 2.0	< 4.0	< 4.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone	50	NS	µg/L	< 100	< 100	< 100	< 100	< 20	< 40	< 40	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	50	NS	µg/L	< 100	< 100	< 100	< 100	< 20	< 40	< 40	< 10	< 10	< 10	< 10	< 10	< 10
Benzene	**1**	NS	µg/L	< 10	< 10	< 10	< 10	**1.0 J**	< 4.0	< 4.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Carbon disulfide	60	NS	µg/L	< 10	< 10	< 10	< 10	< 2.0	< 4.0	< 4.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene	**5**	**5**	µg/L	**710**	**760**	**740**	**370**	**50**	**42**	**190**	< 1.0	< 1.0	< 1.0	**8.7**	**2.9**	< 1.0
Cyclohexane	NS	NS	µg/L	< 10	< 10	< 10	< 10	< 2.0	< 4.0	< 4.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	5	5	µg/L	< 10	< 10	< 10	< 10	< 2.0	< 4.0	< 4.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methyl tert-butyl ether	10	NS	µg/L	< 10	< 10	< 10	< 10	< 2.0	< 4.0	< 4.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.28 J**
Methylcyclohexane	NS	NS	µg/L	< 10	< 10	< 10	< 10	< 2.0	< 4.0	< 4.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methylene chloride	5	NS	µg/L	< 10	< 10	< 10	< 10	< 2.0	< 4.0	< 4.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	5	5	µg/L	< 10	< 10	< 10	< 10	< 2.0	< 4.0	< 4.0	< 1.0	< 1.0	**1.8**	< 1.0	< 1.0	< 1.0
trans-1,2-Dichloroethene	**5**	**5**	µg/L	< 10	**12**	< 10	< 10	< 2.0	< 4.0	< 4.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene	**5**	**5**	µg/L	**270**	**290**	**130**	< 10	< 2.0	< 4.0	< 4.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl chloride	**2**	**5**	µg/L	**42**	**55**	**60**	**290**	**83**	**70**	**130**	< 1.0	< 1.0	< 1.0	**15**	**6.6 J**	< 1.0
Xylene, Total	**5**	**5**	µg/L	< 20	< 20	< 20	< 20	< 4.0	< 8.0	< 8.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Chlorinated Ethanes, Total	NS	NS	µg/L	**10.0 J**	**14.2 J**	**11.9 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorinated Ethenes, Total	NS	NS	µg/L	**1,020**	**1,120**	**930**	**660**	**133**	**112**	**320**	ND	ND	ND	**24**	**9.5 J**	ND
Volatile Organic Compounds, Total	NS	NS	µg/L	**1,030 J**	**1,130 J**	**941.9 J**	**660**	**134 J**	**112**	**320**	ND	ND	**1.8**	**24**	**9.5 J**	**0.28 J**
Chlorinated Volatile Organic Compounds, Total	NS	NS	µg/L	**1,030**	**1,130**	**941.9 J**	**660**	**133**	**112**	**320**	ND	ND	ND	**24**	**9.5 J**	ND

Notes:

Only detected constituents are shown in this table.
Bold values indicate a detection above the laboratory reporting detection limit.
Shaded values indicate an exceedence of the groundwater standard.
+ = Well was also sampled as part of the shut-down test therefore it is also reported in the Shut Down Test Report
< = Compound not detected at concentrations above the laboratory reporting detection limit.The laboratory reporting detection limit is shown.
J = The analyte was positively identified; associated numerical value is the approximate concentration of the analyte in the sample.
N = Normal Environmental Sample
FD = Field Duplicate Sample
ND = No Detection
NS = No Standard
µg/L = micrograms per liter
All totals calculated to the highest order of magnitude reported by the laboratory
Chlorinated Ethanes = 1,1-Dichloroethane & 1,1-Dichloroethene
Chlorinated Ethenes = Trichloroethene, cis-1,2-Dichloroethene, trans-1,2-Dichloroethene, & Vinyl Chloride

Table 4
Groundwater Summary Table - Detected Compounds Only
Former Leica Microsystems - Cheektowaga Facility
Cheektowaga, New York

Analyte	NY TOGS 1.1.1 CLASS GA	Site-Specific Original RAO	Location ID	MW-26	MW-26A+	MW-26A	MW-27	MW-27	MW-27A	MW-27A	MW-28+	MW-28	MW-28A+	MW-28A
			Sample Date	10/7/2024	5/8/2024	10/8/2024	5/8/2024	10/8/2024	5/8/2024	10/8/2024	5/8/2024	10/7/2024	5/8/2024	10/8/2024
			Sample Type	N	N	N	N	N	N	N	N	N	N	N
			Unit											
1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113)	5	NS	µg/L	< 2.0	< 2.0	< 4.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	**5**	NS	µg/L	< 2.0	< 2.0	< 4.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	**5**	NS	µg/L	< 2.0	< 2.0	< 4.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone	50	NS	µg/L	< 20	< 20	< 40	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	50	NS	µg/L	< 20	< 20	< 40	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Benzene	**1**	NS	µg/L	< 2.0	< 2.0	< 4.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Carbon disulfide	60	NS	µg/L	< 2.0	< 2.0	< 4.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene	**5**	**5**	µg/L	< 2.0	**4.0**	**82**	< 1.0	< 1.0	< 1.0	< 1.0	**17**	**19**	< 1.0	**1.4**
Cyclohexane	NS	NS	µg/L	< 2.0	< 2.0	< 4.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	5	5	µg/L	< 2.0	< 2.0	< 4.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methyl tert-butyl ether	10	NS	µg/L	< 2.0	< 2.0	< 4.0	< 1.0	**0.32 J**	< 1.0	< 1.0	**0.48 J**	**0.41 J**	< 1.0	< 1.0
Methylcyclohexane	NS	NS	µg/L	< 2.0	< 2.0	< 4.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methylene chloride	5	NS	µg/L	< 2.0	< 2.0	< 4.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	5	5	µg/L	< 2.0	< 2.0	< 4.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,2-Dichloroethene	**5**	**5**	µg/L	< 2.0	< 2.0	< 4.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene	**5**	**5**	µg/L	< 2.0	< 2.0	< 4.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl chloride	**2**	**5**	µg/L	< 2.0 J	**6.6**	**260**	< 1.0	< 1.0	< 1.0	< 1.0	**4.7**	**5.1 J**	< 1.0	**7.5**
Xylene, Total	**5**	**5**	µg/L	< 4.0	< 4.0	< 8.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Chlorinated Ethanes, Total	NS	NS	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorinated Ethenes, Total	NS	NS	µg/L	ND	**10.6**	**340**	ND	ND	ND	ND	**22**	**24**	ND	**8.9**
Volatile Organic Compounds, Total	NS	NS	µg/L	ND	**10.6**	**340**	ND	**0.32 J**	ND	ND	**22 J**	**25 J**	ND	**8.9**
Chlorinated Volatile Organic Compounds, Total	NS	NS	µg/L	ND	**10.6**	**340**	ND	ND	ND	ND	**22**	**24**	ND	**8.9**

Notes:

Only detected constituents are shown in this table.
Bold values indicate a detection above the laboratory reporting detection limit.
Shaded values indicate an exceedence of the groundwater standard.
+ = Well was also sampled as part of the shut-down test therefore it is also reported in the Shut Down Test Report
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N = Normal Environmental Sample
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NS = No Standard
µg/L = micrograms per liter
All totals calculated to the highest order of magnitude reported by the laboratory
Chlorinated Ethanes = 1,1-Dichloroethane & 1,1-Dichloroethene
Chlorinated Ethenes = Trichloroethene, cis-1,2-Dichloroethene, trans-1,2-Dichloroethene, & Vinyl Chloride

Table 4
Groundwater Summary Table - Detected Compounds Only
Former Leica Microsystems - Cheektowaga Facility
Cheektowaga, New York

Analyte	NY TOGS 1.1.1 CLASS GA	Site-Specific Original RAO	Location ID	MW-28A	MW-29+	MW-29	MW-29A+	MW-29A	MW-31	MW-31D	MW-33A	MW-33A	MW-34	MW-34	MW-34A
			Sample Date	10/8/2024	5/8/2024	10/7/2024	5/8/2024	10/8/2024	5/8/2024	5/8/2024	5/8/2024	10/8/2024	5/9/2024	10/9/2024	5/7/2024
			Sample Type	FD	N	N	N	N	N	N	N	N	N	N	N
			Unit												
1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113)	5	NS	µg/L	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 2.0*	*< 1.0*	*< 2.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 4.0*
1,1-Dichloroethane	**5**	NS	µg/L	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 2.0*	*< 1.0*	*< 2.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 4.0*
1,1-Dichloroethene	**5**	NS	µg/L	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 2.0*	*< 1.0*	*< 2.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 4.0*
2-Butanone	50	NS	µg/L	*< 10*	*< 10*	*< 10*	*< 10*	*< 20*	*< 10*	*< 20*	*< 10*	*< 10*	*< 10*	*< 10*	*< 40*
Acetone	50	NS	µg/L	*< 10*	*< 10*	*< 10*	*< 10*	**6.9 J**	*< 10*	*< 20*	*< 10*	*< 10*	*< 10*	*< 10*	*< 40*
Benzene	**1**	NS	µg/L	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 2.0*	*< 1.0*	*< 2.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	**9.5**
Carbon disulfide	60	NS	µg/L	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 2.0*	*< 1.0*	*< 2.0*	**3.0**	*< 1.0*	*< 1.0*	*< 1.0*	*< 4.0*
cis-1,2-Dichloroethene	**5**	**5**	µg/L	**1.3**	**0.95 J**	**2.2**	*< 1.0*	*< 2.0*	*< 1.0*	*< 2.0*	**5.1**	*< 1.0*	*< 1.0*	*< 1.0*	**13**
Cyclohexane	NS	NS	µg/L	*< 1.0*	*< 1.0*	*< 1.0*	**3.2**	**0.88 J**	*< 1.0*	**0.95 J**	**0.22 J**	*< 1.0*	*< 1.0*	*< 1.0*	**1.2 J**
Ethylbenzene	5	5	µg/L	*< 1.0*	*< 1.0*	*< 1.0*	**1.0**	*< 2.0*	*< 1.0*	*< 2.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 4.0*
Methyl tert-butyl ether	10	NS	µg/L	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 2.0*	*< 1.0*	*< 2.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 4.0*
Methylcyclohexane	NS	NS	µg/L	*< 1.0*	*< 1.0*	*< 1.0*	**0.60 J**	**0.37 J**	*< 1.0*	*< 2.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 4.0*
Methylene chloride	5	NS	µg/L	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 2.0*	*< 1.0*	*< 2.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 4.0*
Toluene	5	5	µg/L	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 2.0*	*< 1.0*	*< 2.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 4.0*
trans-1,2-Dichloroethene	**5**	**5**	µg/L	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 2.0*	*< 1.0*	*< 2.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 4.0*
Trichloroethene	**5**	**5**	µg/L	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 2.0*	*< 1.0*	*< 2.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 4.0*
Vinyl chloride	**2**	**5**	µg/L	**6.8**	*< 1.0*	*< 1.0 J*	*< 1.0*	*< 2.0*	*< 1.0*	*< 2.0*	**10**	**1.5**	*< 1.0*	*< 1.0*	**280**
Xylene, Total	**5**	**5**	µg/L	*< 2.0*	*< 2.0*	*< 2.0*	*< 2.0*	*< 4.0*	*< 2.0*	*< 4.0*	*< 2.0*	*< 2.0*	*< 2.0*	*< 2.0*	*< 8.0*
Chlorinated Ethanes, Total	NS	NS	µg/L	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
Chlorinated Ethenes, Total	NS	NS	µg/L	**8.1**	**0.95 J**	**2.2**	*ND*	*ND*	*ND*	*ND*	**15**	**1.5**	*ND*	*ND*	**290**
Volatile Organic Compounds, Total	NS	NS	µg/L	**8.1**	**0.95 J**	**2.2**	**4.8 J**	**8.2 J**	*ND*	**0.95 J**	**18 J**	**1.5**	*ND*	*ND*	**300 J**
Chlorinated Volatile Organic Compounds, Total	NS	NS	µg/L	**8.1**	**0.95 J**	**2.2**	*ND*	*ND*	*ND*	*ND*	**15**	**1.5**	*ND*	*ND*	**290**

Notes:

Only detected constituents are shown in this table.
Bold values indicate a detection above the laboratory reporting detection limit.
Shaded values indicate an exceedence of the groundwater standard.
+ = Well was also sampled as part of the shut-down test therefore it is also reported in the Shut Down Test Report
< = Compound not detected at concentrations above the laboratory reporting detection limit.The laboratory reporting detection limit is shown.
J = The analyte was positively identified; associated numerical value is the approximate concentration of the analyte in the sample.
N = Normal Environmental Sample
FD = Field Duplicate Sample
ND = No Detection
NS = No Standard
µg/L = micrograms per liter
All totals calculated to the highest order of magnitude reported by the laboratory
Chlorinated Ethanes = 1,1-Dichloroethane & 1,1-Dichloroethene
Chlorinated Ethenes = Trichloroethene, cis-1,2-Dichloroethene, trans-1,2-Dichloroethene, & Vinyl Chloride

Table 4
Groundwater Summary Table - Detected Compounds Only
Former Leica Microsystems - Cheektowaga Facility
Cheektowaga, New York

Analyte	NY TOGS 1.1.1 CLASS GA	Site-Specific Original RAO	Location ID	MW-34A	MW-35A	MW-35A	MW-36	MW-36	MW-37A	MW-37A	MW-37A	MW-38A	MW-38A	MW-39	MW-40A
			Sample Date	10/8/2024	5/7/2024	10/8/2024	5/8/2024	10/8/2024	5/7/2024	10/8/2024	10/8/2024	5/8/2024	10/8/2024	5/9/2024	5/7/2024
			Sample Type	N	N	N	N	N	N	N	FD	N	N	N	N
			Unit												
1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113)	5	NS	µg/L	*< 4.0*	*< 1.0*	*< 1.0*	*< 4.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
1,1-Dichloroethane	**5**	NS	µg/L	*< 4.0*	*< 1.0*	*< 1.0*	*< 4.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
1,1-Dichloroethene	**5**	NS	µg/L	*< 4.0*	*< 1.0*	*< 1.0*	*< 4.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
2-Butanone	50	NS	µg/L	*< 40*	*< 10*	*< 10*	*< 40*	*< 10*	*< 10*	*< 10*	*< 10*	*< 10*	*< 10*	*< 10*	*< 10*
Acetone	50	NS	µg/L	*< 40*	*< 10*	*< 10*	*< 40*	*< 10*	*< 10*	*< 10*	*< 10*	*< 10*	*< 10*	*< 10*	*< 10*
Benzene	**1**	NS	µg/L	**8.2**	*< 1.0*	*< 1.0*	*< 4.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	**1.6**
Carbon disulfide	60	NS	µg/L	*< 4.0*	*< 1.0*	*< 1.0*	*< 4.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
cis-1,2-Dichloroethene	**5**	**5**	µg/L	**14**	*< 1.0*	*< 1.0*	**7.8**	**7.6**	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	**11**	*< 1.0*
Cyclohexane	NS	NS	µg/L	*< 4.0*	*< 1.0*	*< 1.0*	*< 4.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	**0.85 J**
Ethylbenzene	5	5	µg/L	*< 4.0*	*< 1.0*	*< 1.0*	*< 4.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Methyl tert-butyl ether	10	NS	µg/L	*< 4.0*	*< 1.0*	*< 1.0*	*< 4.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Methylcyclohexane	NS	NS	µg/L	*< 4.0*	*< 1.0*	*< 1.0*	*< 4.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Methylene chloride	5	NS	µg/L	*< 4.0*	*< 1.0*	*< 1.0*	*< 4.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Toluene	5	5	µg/L	*< 4.0*	*< 1.0*	*< 1.0*	*< 4.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
trans-1,2-Dichloroethene	**5**	**5**	µg/L	*< 4.0*	*< 1.0*	*< 1.0*	**4.2**	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	**1.3**	*< 1.0*
Trichloroethene	**5**	**5**	µg/L	*< 4.0*	*< 1.0*	*< 1.0*	**160**	**38**	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	**77**	*< 1.0*
Vinyl chloride	**2**	**5**	µg/L	**290 J**	*< 1.0*	*< 1.0*	*< 4.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	**7.4**
Xylene, Total	**5**	**5**	µg/L	*< 8.0*	*< 2.0*	*< 2.0*	*< 8.0*	*< 2.0*	*< 2.0*	*< 2.0*	*< 2.0*	*< 2.0*	*< 2.0*	*< 2.0*	*< 2.0*
Chlorinated Ethanes, Total	NS	NS	µg/L	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
Chlorinated Ethenes, Total	NS	NS	µg/L	**300 J**	*ND*	*ND*	**170**	**46**	*ND*	*ND*	*ND*	*ND*	*ND*	**89**	**7.4**
Volatile Organic Compounds, Total	NS	NS	µg/L	**310 J**	*ND*	*ND*	**170**	**46**	*ND*	*ND*	*ND*	*ND*	*ND*	**89**	**9.9**
Chlorinated Volatile Organic Compounds, Total	NS	NS	µg/L	**300 J**	*ND*	*ND*	**170**	**46**	*ND*	*ND*	*ND*	*ND*	*ND*	**89**	**7.4**

Notes:

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Shaded values indicate an exceedence of the groundwater standard.
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< = Compound not detected at concentrations above the laboratory reporting detection limit.The laboratory reporting detection limit is shown.
J = The analyte was positively identified; associated numerical value is the approximate concentration of the analyte in the sample.
N = Normal Environmental Sample
FD = Field Duplicate Sample
ND = No Detection
NS = No Standard
µg/L = micrograms per liter
All totals calculated to the highest order of magnitude reported by the laboratory
Chlorinated Ethanes = 1,1-Dichloroethane & 1,1-Dichloroethene
Chlorinated Ethenes = Trichloroethene, cis-1,2-Dichloroethene, trans-1,2-Dichloroethene, & Vinyl Chloride

Table 4
Groundwater Summary Table - Detected Compounds Only
Former Leica Microsystems - Cheektowaga Facility
Cheektowaga, New York

Analyte	NY TOGS 1.1.1 CLASS GA	Site-Specific Original RAO	Location ID	MW-40A	MW-41	MW-41A	MW-41A	MW-42A	MW-42A	MW-43A	MW-43A	MW-44	MW-44A	MW-44A	MW-44A
			Sample Date	10/9/2024	5/8/2024	5/8/2024	10/9/2024	5/7/2024	10/9/2024	5/8/2024	10/9/2024	5/8/2024	5/8/2024	5/8/2024	10/9/2024
			Sample Type	N	N	N	N	N	N	N	N	N	N	FD	N
			Unit												
1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113)	5	NS	µg/L	< 1.0	< 1.0	< 1.0	< 1.0	**0.32 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 4.0	< 4.0	< 1.0
1,1-Dichloroethane	**5**	NS	µg/L	< 1.0	< 1.0	< 1.0	< 1.0	**1.6**	**1.6**	< 1.0	< 1.0	< 1.0	< 4.0	< 4.0	< 1.0
1,1-Dichloroethene	**5**	NS	µg/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 4.0	< 4.0	**0.30 J**
2-Butanone	50	NS	µg/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 40	< 40	< 10
Acetone	50	NS	µg/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 40	< 40	< 10
Benzene	**1**	NS	µg/L	**5.0**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 4.0	< 4.0	< 1.0
Carbon disulfide	60	NS	µg/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**1.8**	**1.5**	< 1.0	< 4.0	**5.6**	< 1.0
cis-1,2-Dichloroethene	**5**	**5**	µg/L	< 1.0	< 1.0	< 1.0	< 1.0	**6.5**	**5.6**	< 1.0	< 1.0	< 1.0	**99**	**110**	**99**
Cyclohexane	NS	NS	µg/L	**0.69 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 4.0	< 4.0	< 1.0
Ethylbenzene	5	5	µg/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 4.0	< 4.0	< 1.0
Methyl tert-butyl ether	10	NS	µg/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 4.0	< 4.0	< 1.0
Methylcyclohexane	NS	NS	µg/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 4.0	< 4.0	< 1.0
Methylene chloride	5	NS	µg/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 4.0	< 4.0	< 1.0
Toluene	5	5	µg/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 4.0	< 4.0	< 1.0
trans-1,2-Dichloroethene	**5**	**5**	µg/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 4.0	< 4.0	**2.4**
Trichloroethene	**5**	**5**	µg/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 4.0	< 4.0	< 1.0
Vinyl chloride	**2**	**5**	µg/L	**7.7**	< 1.0	< 1.0	< 1.0	**14**	**14**	< 1.0	< 1.0	< 1.0	**270**	**270**	**270**
Xylene, Total	**5**	**5**	µg/L	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 8.0	< 8.0	< 2.0
Chlorinated Ethanes, Total	NS	NS	µg/L	ND	ND	ND	ND	**1.6**	**1.6**	ND	ND	ND	ND	ND	**0.30 J**
Chlorinated Ethenes, Total	NS	NS	µg/L	**7.7**	ND	ND	ND	**21**	**20**	ND	ND	ND	**370**	**380**	**370**
Volatile Organic Compounds, Total	NS	NS	µg/L	**13.4 J**	ND	ND	ND	**22 J**	**21**	**1.8**	**1.5**	ND	**370**	**390**	**370 J**
Chlorinated Volatile Organic Compounds, Total	NS	NS	µg/L	**7.7**	ND	ND	ND	**22**	**21**	ND	ND	ND	**370**	**380**	**370 J**

Notes:

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Chlorinated Ethanes = 1,1-Dichloroethane & 1,1-Dichloroethene
Chlorinated Ethenes = Trichloroethene, cis-1,2-Dichloroethene, trans-1,2-Dichloroethene, & Vinyl Chloride

Table 4
Groundwater Summary Table - Detected Compounds Only
Former Leica Microsystems - Cheektowaga Facility
Cheektowaga, New York

Analyte	NY TOGS 1.1.1 CLASS GA	Site-Specific Original RAO	Location ID	MW-44A	MW-45A	MW-45A	MW-47	MW-47	MW-48+	MW-48	MW-49+	MW-49	MW-50+	MW-50	MW-51
			Sample Date	10/9/2024	5/8/2024	10/9/2024	5/7/2024	10/9/2024	5/8/2024	10/10/2024	5/6/2024	10/9/2024	5/6/2024	10/9/2024	5/8/2024
			Sample Type	FD	N	N	N	N	N	N	N	N	N	N	N
			Unit												
1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113)	5	NS	µg/L	< 4.0	**0.44 J**	**0.69 J**	< 40	< 40	< 2.0	< 1.0	< 8.0	< 8.0	< 2.0	< 2.0	< 50
1,1-Dichloroethane	**5**	NS	µg/L	< 4.0	**1.7**	**2.1**	< 40	< 40	< 2.0	< 1.0	< 8.0	< 8.0	< 2.0	< 2.0	< 50
1,1-Dichloroethene	**5**	NS	µg/L	< 4.0	< 1.0	< 1.0	< 40	< 40	< 2.0	< 1.0	< 8.0	< 8.0	< 2.0	< 2.0	< 50
2-Butanone	50	NS	µg/L	< 40	< 10	< 10	< 400	< 400	< 20	< 10	< 80	< 80	< 20	< 20	< 500
Acetone	50	NS	µg/L	< 40	< 10	< 10	< 400	< 400	< 20	< 10	< 80	< 80	< 20	< 20	< 500
Benzene	**1**	NS	µg/L	< 4.0	< 1.0	< 1.0	< 40	< 40	< 2.0	< 1.0	< 8.0	< 8.0	< 2.0	< 2.0	< 50
Carbon disulfide	60	NS	µg/L	< 4.0	< 1.0	< 1.0	< 40	< 40	< 2.0	< 1.0	< 8.0	< 8.0	< 2.0	< 2.0	< 50
cis-1,2-Dichloroethene	**5**	**5**	µg/L	**100**	**16**	**21**	**830**	**820**	**9.9**	**45**	**9.1**	**13**	**34**	**20**	**2,900**
Cyclohexane	NS	NS	µg/L	< 4.0	< 1.0	< 1.0	< 40	< 40	< 2.0	< 1.0	< 8.0	< 8.0	< 2.0	< 2.0	< 50
Ethylbenzene	5	5	µg/L	< 4.0	< 1.0	< 1.0	< 40	< 40	< 2.0	< 1.0	< 8.0	< 8.0	< 2.0	< 2.0	< 50
Methyl tert-butyl ether	10	NS	µg/L	< 4.0	< 1.0	< 1.0	< 40	< 40	< 2.0	< 1.0	< 8.0	< 8.0	< 2.0	< 2.0	< 50
Methylcyclohexane	NS	NS	µg/L	< 4.0	< 1.0	< 1.0	< 40	< 40	< 2.0	< 1.0	< 8.0	< 8.0	< 2.0	< 2.0	< 50
Methylene chloride	5	NS	µg/L	< 4.0	< 1.0	< 1.0	< 40	< 40	< 2.0	< 1.0	< 8.0	< 8.0	< 2.0	< 2.0	< 50
Toluene	5	5	µg/L	< 4.0	< 1.0	< 1.0	< 40	< 40	< 2.0	< 1.0	< 8.0	< 8.0	< 2.0	< 2.0	< 50
trans-1,2-Dichloroethene	**5**	**5**	µg/L	< 4.0	< 1.0	< 1.0	< 40	< 40	< 2.0	**1.9**	< 8.0	< 8.0	< 2.0	< 2.0	< 50
Trichloroethene	**5**	**5**	µg/L	< 4.0	< 1.0	< 1.0	< 40	< 40	**4.3**	**5.4**	< 8.0	< 8.0	< 2.0	< 2.0	< 50
Vinyl chloride	**2**	**5**	µg/L	**290**	**21**	**33**	**120**	**120**	< 2.0	< 1.0	**460**	**28**	**70**	**250**	**61**
Xylene, Total	**5**	**5**	µg/L	< 8.0	< 2.0	< 2.0	< 80	< 80	< 4.0	< 2.0	< 16	**7.1 J**	< 4.0	< 4.0	< 100
Chlorinated Ethanes, Total	NS	NS	µg/L	ND	**1.7**	**2.1**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorinated Ethenes, Total	NS	NS	µg/L	**390**	**37**	**54**	**950**	**940**	**14.2**	**52**	**470**	**41**	**104**	**270**	**3,000**
Volatile Organic Compounds, Total	NS	NS	µg/L	**390**	**39 J**	**57 J**	**950**	**940**	**14.2**	**52**	**470**	**48**	**104**	**270**	**3,000**
Chlorinated Volatile Organic Compounds, Total	NS	NS	µg/L	**390**	**39**	**56**	**950**	**940**	**14.2**	**52**	**470**	**41**	**104**	**270**	**3,000**

Notes:

Only detected constituents are shown in this table.
Bold values indicate a detection above the laboratory reporting detection limit.
Shaded values indicate an exceedence of the groundwater standard.
+ = Well was also sampled as part of the shut-down test therefore it is also reported in the Shut Down Test Report
< = Compound not detected at concentrations above the laboratory reporting detection limit.The laboratory reporting detection limit is shown.
J = The analyte was positively identified; associated numerical value is the approximate concentration of the analyte in the sample.
N = Normal Environmental Sample
FD = Field Duplicate Sample
ND = No Detection
NS = No Standard
µg/L = micrograms per liter
All totals calculated to the highest order of magnitude reported by the laboratory
Chlorinated Ethanes = 1,1-Dichloroethane & 1,1-Dichloroethene
Chlorinated Ethenes = Trichloroethene, cis-1,2-Dichloroethene, trans-1,2-Dichloroethene, & Vinyl Chloride

Table 4
Groundwater Summary Table - Detected Compounds Only
Former Leica Microsystems - Cheektowaga Facility
Cheektowaga, New York

Analyte	NY TOGS 1.1.1 CLASS GA	Site-Specific Original RAO	Location ID	MW-51	MW-52+	MW-52+	MW-52	MW-53+	MW-53	MW-54	MW-54
			Sample Date	10/10/2024	5/8/2024	5/8/2024	10/10/2024	5/6/2024	10/10/2024	5/6/2024	10/10/2024
			Sample Type	N	N	FD	N	N	N	N	N
			Unit								
1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113)	5	NS	µg/L	< 50	< 1.0	< 1.0	< 20	< 25	< 8.0	< 2.0	< 4.0
1,1-Dichloroethane	**5**	NS	µg/L	< 50	< 1.0	< 1.0	< 20	< 25	< 8.0	**4.3**	**2.2 J**
1,1-Dichloroethene	**5**	NS	µg/L	< 50	< 1.0	**0.35 J**	< 20	< 25	< 8.0	< 2.0	< 4.0
2-Butanone	50	NS	µg/L	< 500	< 10	< 10	< 200	< 250	< 80	< 20	< 40
Acetone	50	NS	µg/L	< 500	< 10	< 10	< 200	< 250	< 80	< 20	< 40
Benzene	**1**	NS	µg/L	< 50	< 1.0	< 1.0	< 20	< 25	< 8.0	< 2.0	< 4.0
Carbon disulfide	60	NS	µg/L	< 50	< 1.0	**0.38 J**	< 20	< 25	< 8.0	< 2.0	< 4.0
cis-1,2-Dichloroethene	**5**	**5**	µg/L	**3,700**	**77**	**66**	**1,400**	**600**	**770**	**46**	**25**
Cyclohexane	NS	NS	µg/L	< 50	< 1.0	< 1.0	< 20	< 25	< 8.0	< 2.0	< 4.0
Ethylbenzene	5	5	µg/L	< 50	< 1.0	< 1.0	< 20	< 25	< 8.0	< 2.0	< 4.0
Methyl tert-butyl ether	10	NS	µg/L	< 50	< 1.0	< 1.0	< 20	< 25	< 8.0	< 2.0	< 4.0
Methylcyclohexane	NS	NS	µg/L	< 50	< 1.0	< 1.0	< 20	< 25	< 8.0	< 2.0	< 4.0
Methylene chloride	5	NS	µg/L	< 50	< 1.0	< 1.0	< 20	< 25	< 8.0	< 2.0	< 4.0
Toluene	5	5	µg/L	< 50	< 1.0	< 1.0	< 20	< 25	< 8.0	< 2.0	< 4.0
trans-1,2-Dichloroethene	**5**	**5**	µg/L	< 50	< 1.0	< 1.0	< 20	< 25	< 8.0	< 2.0	< 4.0
Trichloroethene	**5**	**5**	µg/L	< 50	**12**	**13**	**290**	< 25	< 8.0	< 2.0	< 4.0
Vinyl chloride	**2**	**5**	µg/L	**100**	**59**	**62**	**77**	**36**	**42**	**29**	**21**
Xylene, Total	**5**	**5**	µg/L	< 100	< 2.0	< 2.0	< 40	< 50	< 16	< 4.0	< 8.0
Chlorinated Ethanes, Total	NS	NS	µg/L	ND	ND	**0.35 J**	ND	ND	ND	**4.3**	**2.2 J**
Chlorinated Ethenes, Total	NS	NS	µg/L	**3,800**	**148**	**141**	**1,800**	**640**	**810**	**75**	**46**
Volatile Organic Compounds, Total	NS	NS	µg/L	**3,800**	**148**	**142 J**	**1,800**	**640**	**810**	**79**	**48 J**
Chlorinated Volatile Organic Compounds, Total	NS	NS	µg/L	**3,800**	**148**	**141 J**	**1,800**	**640**	**810**	**79**	**48 J**

Notes:

Only detected constituents are shown in this table.
Bold values indicate a detection above the laboratory reporting detection limit.
Shaded values indicate an exceedence of the groundwater standard.
+ = Well was also sampled as part of the shut-down test therefore it is also reported in the Shut Down Test Report
< = Compound not detected at concentrations above the laboratory reporting detection limit.The laboratory reporting detection limit is shown.
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N = Normal Environmental Sample
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µg/L = micrograms per liter
All totals calculated to the highest order of magnitude reported by the laboratory
Chlorinated Ethanes = 1,1-Dichloroethane & 1,1-Dichloroethene
Chlorinated Ethenes = Trichloroethene, cis-1,2-Dichloroethene, trans-1,2-Dichloroethene, & Vinyl Chloride

Table 5
Summary of Geochemical Parameters
Former Leica Microsysytems - Cheektowaga Facility
Cheektowaga, New York

Geochemical Parameters	Location ID	MW-6A	MW-6A	MW-11A	MW-14	MW-14	MW-23	MW-23	MW-25	MW-25	MW-25A+	MW-25A	MW-26+	MW-26
	Sample Date	5/8/2024	10/8/2024	10/8/2024	5/8/2024	10/10/2024	5/8/2024	10/9/2024	5/9/2024	10/8/2024	5/8/2024	10/8/2024	5/8/2024	10/7/2024
	Unit	N	N	N	N	N	N	N	N	N	N	N	N	N
Temperature, Field	deg C	12.4	13.3	14.5	10.0	14.0	10.2	13.6	11.3	16.2	12.2	14.5	12.1	18.0
pH, Field	pH units	7.09	6.98	7.04	7.14	7.02	7.9	7.08	6.91	7.16	6.97	7.02	7.36	7.02
Specific Conductivity, Field	uS/cm	1403	1250	1054	1307	1034	933	946	1082	1182	984	497.8	1803	1159
Oxidation-Reduction Potential, Field	mV	-15.7	-59.1	-172.6	-62.0	-71.5	-191.7	-77.9	71.2	-7.3	-311.4	-209.7	63.5	28.1
Turbidity, Field	NTU	2.88	1.22	7.26	2.56	31.8	overrange	overrange	0.96	16.10	25.9	1.39	7.12	1.56
Dissolved Oxygen, Field	mg/L	0.15	0.07	0.32	0.32	0.27	4.32	0.95	2.77	2.31	0.14	0.40	12.75	0.60

Geochemical Parameters	Location ID	MW-26A+	MW-26A	MW-27	MW-27	MW-27A	MW-27A	MW-28+	MW-28	MW-28A+	MW-28A	MW-29+	MW-29
	Sample Date	5/8/2024	10/8/2024	5/8/2024	10/8/2024	5/8/2024	10/8/2024	5/8/2024	10/7/2024	5/8/2024	10/8/2024	5/8/2024	10/7/2024
	Unit	N	N	N	N	N	N	N	N	N	N	N	N
Temperature, Field	deg C	12.9	15.2	11.4	18.0	13.0	16.7	12.6	18.0	13.1	15.4	11.8	18.7
pH, Field	pH units	8.11	7.32	7.29	7.11	8.10	7.85	7.14	7.25	7.67	7.47	7.21	7.26
Specific Conductivity, Field	uS/cm	416.0	861	1873	2360	616	616	924	951	831	917	2947	1879
Oxidation-Reduction Potential, Field	mV	-101.8	-174.3	42.4	27.1	-4.8	-222.2	80.0	-40.5	71.5	-184.7	53.7	79.4
Turbidity, Field	NTU	25.7	1.01	1.49	42	11.24	1.73	0.53	0.26	53.6	8.68	0.60	0.55
Dissolved Oxygen, Field	mg/L	2.18	0.19	2.06	3.95	0.16	0.19	2.59	0.10	2.32	0.10	0.37	0.37

Geochemical Parameters	Location ID	MW-29A+	MW-29A	MW-31	MW-31D	MW-33A	MW-33A	MW-34	MW-34	MW-34A	MW-34A	MW-35A	MW-35A
	Sample Date	5/8/2024	10/8/2024	5/8/2024	5/8/2024	5/8/2024	10/8/2024	5/9/2024	10/9/2024	5/7/2024	10/8/2024	5/7/2024	10/8/2024
	Unit	N	N	N	N	N	N	N	N	N	N	N	N
Temperature, Field	deg C	12.9	17.2	9.6	12.1	13.6	14.1	14.8	19.9	13.6	14.8	11.6	14.3
pH, Field	pH units	8.41	7.50	7.30	7.37	7.16	7.22	7.68	7.67	7.10	7.08	7.03	6.79
Specific Conductivity, Field	uS/cm	1243	405.3	727	577.4	1270	1228	1863	1099	1411	899	1082	1372
Oxidation-Reduction Potential, Field	mV	-274.7	-227.3	-136.6	-304.6	-311.8	-141.6	-187.4	27.9	-258.2	-202.2	21.3	-41.6
Turbidity, Field	NTU	7.87	24.7	14.3	3.27	48.9	2.53	15	6.94	2.13	0.97	0.45	0.31
Dissolved Oxygen, Field	mg/L	0.13	0.28	0.70	0.31	0.29	0.36	4.03	0.54	0.35	0.51	0.94	0.33

Notes:

+ = Well was also sampled as part of the shut-down test therefore it is also reported in the Shut Down Test Report
-- = not analyzed
deg C = degrees Celsius
pH units = pH units
uS/cm = microSiemens per centimeter
mV = millivolts
NTU = nephelometric turbidity units
mg/L = milligrams per liter

Table 5
Summary of Geochemical Parameters
Former Leica Microsysytems - Cheektowaga Facility
Cheektowaga, New York

Geochemical Parameters	MW-36	MW-36	MW-37A	MW-37A	MW-38A	MW-38A	MW-39	MW-40A	MW-40A	MW-41A	MW-41A	MW-42A	MW-42A	MW-43A	MW-43A
	5/8/2024	10/8/2024	5/7/2024	10/8/2024	5/8/2024	10/8/2024	5/9/2024	5/7/2024	10/9/2024	5/7/2024	10/9/2024	5/7/2024	10/9/2024	5/8/2024	10/9/2024
	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Temperature, Field	11.8	17.6	11.4	13.5	10.8	13.8	11.3	12.2	11.3	11.8	12.0	12.5	11.7	12.0	12.3
pH, Field	7.67	7.04	7.21	6.88	7.24	7.20	7.5	7.15	7.19	6.98	7.22	6.96	7.18	6.76	6.87
Specific Conductivity, Field	726	503.0	1876	1793	1137	1087	734	1090	1173	1557	1364	1172	1213	2574	2514
Oxidation-Reduction Potential, Field	241.3	36.4	169.4	-52.8	-248.4	-36.8	216.5	-305.8	-300.5	-62.1	-100.6	-165.1	-87.7	-351.4	-356.4
Turbidity, Field	24.3	22.7	3.35	1.49	2.42	1.87	66.7	1.45	1.67	0.41	0.49	0.15	1.89	0.79	3.99
Dissolved Oxygen, Field	3.83	3.94	0.90	0.43	1.34	0.17	3.76	0.10	0.11	0.10	0.44	0.21	0.35	0.93	0.95

Geochemical Parameters	MW-44	MW-44A	MW-44A	MW-45A	MW-45A	MW-47	MW-47	MW-48+	MW-48	MW-49+	MW-49	MW-50+	MW-50
	5/8/2024	5/8/2024	10/9/2024	5/8/2024	10/9/2024	5/8/2024	10/9/2024	5/8/2024	10/10/2024	5/6/2024	10/9/2024	5/6/2024	10/9/2024
	N	N	N	N	N	N	N	N	N	N	N	N	N
Temperature, Field	10.9	12.6	12.4	13.2	13.3	10.4	13.6	9.3	14.3	9.8	15.5	9.7	15.1
pH, Field	6.65	7.01	7.05	6.92	7.05	6.91	6.84	6.93	6.81	6.98	6.82	7.08	6.47
Specific Conductivity, Field	1002	1255	1309	1253	1220	1386	1182	993	1007	1186	1029	989	1041
Oxidation-Reduction Potential, Field	-126.7	-312.4	-325.2	-170.1	-248.0	19.6	-72.0	154.1	41.5	-373.7	-74.4	-122.1	-150.1
Turbidity, Field	3.10	34.8	7.13	3.54	1.76	9.00	122	2.13	46.6	3.17	36.01	5.53	3.17
Dissolved Oxygen, Field	0.45	0.32	0.36	0.43	0.10	0.19	0.47	0.38	3.85	0.23	1.24	0.32	0.48

Geochemical Parameters	MW-51	MW-51	MW-52+	MW-52	MW-53+	MW-53	MW-54+	MW-54
	5/8/2024	10/10/2024	5/8/2024	10/10/2024	5/6/2024	10/10/2024	5/6/2024	10/10/2024
	N	N	N	N	N	N	N	N
Temperature, Field	9.5	14.2	9.2	14.8	10.1	15.1	9.9	15.1
pH, Field	6.89	6.75	6.79	6.76	6.87	6.81	6.87	6.86
Specific Conductivity, Field	1077	1210	1193	1296	1401	1392	1516	1344
Oxidation-Reduction Potential, Field	-334.8	-48.7	-294.7	-43.5	-21.0	57.5	-18.1	-113.8
Turbidity, Field	6.96	overrange	4.88	--	56.6	33.0	4.52	181
Dissolved Oxygen, Field	0.14	0.42	0.40	0.53	0.65	1.64	0.34	0.40

Notes:

+ = Well was also sampled as part of the shut-down test therefore it is also reported in the Shut Down Test Report
-- = not analyzed
deg C = degrees Celsius
pH units = pH units
uS/cm = microSiemens per centimeter
mV = millivolts
NTU = nephelometric turbidity units
mg/L = milligrams per liter

Table 6
Natural Attenuation GW Summary
Former Leica Microsystems - Cheektowaga
Cheektowaga, New York

Analyte		NY TOGS 1.1.1 CLASS GA	Site-Specific Original RAO	Location	MW-6A	MW-11A	MW-14	MW-25	MW-25A	MW-26
				Sample Date	10/08/2024	10/8/2024	10/10/2024	10/8/2024	10/8/2024	10/7/2024
				Sample Type	N	N	N	N	N	N
				Unit						
VOCs	Trichloroethene	5	5	µg/L	130	< 2.0	< 4.0	< 1.0	< 1.0	< 2.0
	cis-1,2-Dichloroethene	5	5	µg/L	740	50	190	< 1.0	2.9	< 2.0
	Vinyl chloride	2	5	µg/L	60	83	130	< 1.0	6.6 J	< 2.0 J
Metals*	Iron, Dissolved	0.5	NS	mg/L	2.3	12.0	18.7	0.33	0.12	0.13
	Manganese, Dissolved		NS	mg/L	0.094	0.068	0.15	0.025	0.047	0.0064
	Iron, Total	0.5	NS	mg/L	2.3	10.8	323	0.24	0.088	0.078
	Manganese, Total		NS	mg/L	0.094	0.065	1.6	0.019	0.049	0.0053
Dissolved Gases	Ethane	NS	NS	µg/L	< 7.5	35 J	< 170	< 7.5	< 330	< 7.5
	Ethene	NS	NS	µg/L	2.3 J	< 150	50 J	< 7.0	< 310	< 7.0
	Methane	NS	NS	µg/L	170	2,100	2,200	210	2,200	< 4.0
General Chemistry	Dissolved Oxygen (field)	NS	NS	mg/L	0.07	0.32	0.27	2.31	0.40	0.60
	Oxidation Reduction Potential (field)	NS	NS	mV	-59.1	-172.6	-71.5	-7.3	-209.7	28.1
	pH (field)	NS	NS	pH units	6.98	7.04	7.02	7.16	7.02	7.02
	Alkalinity, Total as CaCO3	NS	NS	mg/L	521	533	502	484	467	315
	Chloride	250	NS	mg/L	11.3	9.5	19.8	42.8	41.5	164
	Nitrate as N	10	NS	mg/L	< 0.050	< 0.050	0.027 J	0.037 J	< 0.050 J	0.17
	Sulfate	250	NS	mg/L	262	99.7	84.1	34.2	27.8 J	39.6
	Organic Carbon, Total	NS	NS	mg/L	2.0	6.1	8.8	0.84 J	0.67 J	6.6
	Sulfide	NS	NS	mg/L	< 1.0	< 1.0	< 1.0	< 1.0	1.6 J	< 1.0

Notes:

Bold values indicate a detection above the laboratory reporting detection limit.

Shaded values indicate an exceedence of the groundwater standard.

< = Compound not detected at concentrationsabove the indicated laboratory reporting limit.

-- = not analyzed

J = The analyte was positively identified; the numerical value is considered approximate.

N = Normal Environmental Sample

FD = Field Duplicate Sample

NS = No Standard

* = NY TOGS 1.1.1 Class GA Aesthetic Standard for Iron and Manganese is 0.3 mg/L each and 0.5 mg/L combined (Class GA, Type E, Basis Code F)

mg/L = milligrams per liter

µg/L = micrograms per liter

Table 6
Natural Attenuation GW Summary
Former Leica Microsystems - Cheektowaga
Cheektowaga, New York

Analyte		NY TOGS 1.1.1 CLASS GA	Site-Specific Original RAO	Location	MW-26A	MW-28	MW-28A	MW-28A	MW-29	MW-29A
				Sample Date	10/8/2024	10/07/2024	10/08/2024	10/08/2024	10/07/2024	10/08/2024
				Sample Type	N	N	N	FD	N	N
				Unit						
VOCs	Trichloroethene	5	5	µg/L	< 4.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	cis-1,2-Dichloroethene	5	5	µg/L	82	19	1.4	1.3	2.2	< 2.0
	Vinyl chloride	2	5	µg/L	260	5.1 J	7.5	6.8	< 1.0 J	< 2.0
Metals*	Iron, Dissolved	0.5	NS	mg/L	7.2	0.35	7.8	7.6	0.19	11.1
	Manganese, Dissolved		NS	mg/L	0.13	0.034	0.11	0.11	0.057	0.27
	Iron, Total	0.5	NS	mg/L	5.8	0.36	7.6	7.3	0.21	10.5
	Manganese, Total		NS	mg/L	0.11	0.035	0.11	0.11	0.059	0.28
Dissolved Gases	Ethane	NS	NS	µg/L	10	< 7.5	8.8	< 170	< 7.5	< 170
	Ethene	NS	NS	µg/L	38	< 7.0	2.0 J	< 150	< 7.0	< 150
	Methane	NS	NS	µg/L	890	98	1,400	1,200	8.6	2,300
General Chemistry	Dissolved Oxygen (field)	NS	NS	mg/L	0.19	0.10	0.10	--	0.37	0.28
	Oxidation Reduction Potential (field)	NS	NS	mV	-174.3	-40.5	-184.7	--	79.4	-227.3
	pH (field)	NS	NS	pH units	7.32	7.25	7.47	--	7.26	7.50
	Alkalinity, Total as CaCO3	NS	NS	mg/L	344	418	407	404	301	153
	Chloride	250	NS	mg/L	40.1	48.1	70.8	70.8	766	31.3
	Nitrate as N	10	NS	mg/L	< 0.050 J	< 0.050	< 0.050 J	< 0.050 J	0.072	< 0.050 J
	Sulfate	250	NS	mg/L	25.0	27.6	22.8	23.3	44.6	1.8 J
	Organic Carbon, Total	NS	NS	mg/L	2.0	0.47 J	< 1.0	0.52 J	< 1.0	10.2
	Sulfide	NS	NS	mg/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Notes:

Bold values indicate a detection above the laboratory reporting detection limit.

Shaded values indicate an exceedence of the groundwater standard.

< = Compound not detected at concentrationsabove the indicated laboratory reporting limit.

-- = not analyzed

J = The analyte was positively identified; the numerical value is considered approximate.

N = Normal Environmental Sample

FD = Field Duplicate Sample

NS = No Standard

* = NY TOGS 1.1.1 Class GA Aesthetic Standard for Iron and Manganese is 0.3 mg/L each and 0.5 mg/L combined (Class GA, Type E, Basis Code F)

mg/L = milligrams per liter

µg/L = micrograms per liter

Table 6
Natural Attenuation GW Summary
Former Leica Microsystems - Cheektowaga
Cheektowaga, New York

Analyte		NY TOGS 1.1.1 CLASS GA	Site-Specific Original RAO	Location	MW-34A	MW-34A	MW-47	MW-48	MW-49	MW-50
				Sample Date	10/08/2024	10/11/2024	10/09/2024	10/10/2024	10/09/2024	10/09/2024
				Sample Type	N	N	N	N	N	N
				Unit						
VOCs	Trichloroethene	5	5	µg/L	< 4.0	--	< 40	5.4	< 8.0	< 2.0
	cis-1,2-Dichloroethene	5	5	µg/L	14	--	820	45	13	20
	Vinyl chloride	2	5	µg/L	290 J	--	120	< 1.0	28	250
Metals*	Iron, Dissolved	0.5	NS	mg/L	--	0.049 J	7.7	1.8	0.90	3.5
	Manganese, Dissolved		NS	mg/L	--	0.048	0.30	0.15	0.046	0.12
	Iron, Total	0.5	NS	mg/L	--	0.049 J	6.5	19.8	3.8	3.6
	Manganese, Total		NS	mg/L	--	0.048	0.22	0.87	0.17	0.13
Dissolved Gases	Ethane	NS	NS	µg/L	--	76	< 170	< 7.5	250	88 J
	Ethene	NS	NS	µg/L	--	34	< 150	< 7.0	82 J	130 J
	Methane	NS	NS	µg/L	--	140	280	< 4.0	8,100	3,800
General Chemistry	Dissolved Oxygen (field)	NS	NS	mg/L	--	0.51	0.47	3.85	1.24	0.48
	Oxidation Reduction Potential (field)	NS	NS	mV	--	-202.2	-72.0	41.5	-74.4	-150.1
	pH (field)	NS	NS	pH units	7.08	7.08	6.84	6.81	6.82	6.47
	Alkalinity, Total as CaCO3	NS	NS	mg/L	--	374	615	345	561	504
	Chloride	250	NS	mg/L	--	149	12.0	20.0	21.2	24.2
	Nitrate as N	10	NS	mg/L	--	< 0.050	0.022 J	0.029 J	< 0.050	< 0.050
	Sulfate	250	NS	mg/L	--	43.5	119	125	17.3	35.0
	Organic Carbon, Total	NS	NS	mg/L	--	0.88 J	4.9	3.6	8.6	9.1
	Sulfide	NS	NS	mg/L	--	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Notes:

Bold values indicate a detection above the laboratory reporting detection limit.

Shaded values indicate an exceedence of the groundwater standard.

< = Compound not detected at concentrationsabove the indicated laboratory reporting limit.

-- = not analyzed

J = The analyte was positively identified; the numerical value is considered approximate.

N = Normal Environmental Sample

FD = Field Duplicate Sample

NS = No Standard

* = NY TOGS 1.1.1 Class GA Aesthetic Standard for Iron and Manganese is 0.3 mg/L each and 0.5 mg/L combined (Class GA, Type E, Basis Code F)

mg/L = milligrams per liter

µg/L = micrograms per liter

Table 6
Natural Attenuation GW Summary
Former Leica Microsystems - Cheektowaga
Cheektowaga, New York

Analyte		NY TOGS 1.1.1 CLASS GA	Site-Specific Original RAO	Location	MW-51	MW-52	MW-53	MW-54
				Sample Date	10/10/2024	10/10/2024	10/10/2024	10/10/2024
				Sample Type	N	N	N	N
				Unit				
VOCs	Trichloroethene	5	5	µg/L	< 50	290	< 8.0	< 4.0
	cis-1,2-Dichloroethene	5	5	µg/L	3,700	1,400	770	25
	Vinyl chloride	2	5	µg/L	100	77	42	21
Metals*	Iron, Dissolved	0.5	NS	mg/L	915	2.1	6.5	2.6
	Manganese, Dissolved		NS	mg/L	9.7	0.095	0.34	0.22
	Iron, Total	0.5	NS	mg/L	57.5	3.7	10.1	2.9
	Manganese, Total		NS	mg/L	1.4	0.13	0.31	0.22
Dissolved Gases	Ethane	NS	NS	µg/L	< 7.5	< 7.5	2.2 J	< 170
	Ethene	NS	NS	µg/L	< 7.0	< 7.0	< 7.0	< 150
	Methane	NS	NS	µg/L	130	23	30	1,300
General Chemistry	Dissolved Oxygen (field)	NS	NS	mg/L	0.42	0.53	1.64	0.40
	Oxidation Reduction Potential (field)	NS	NS	mV	-48.7	-43.5	57.5	-113.8
	pH (field)	NS	NS	pH units	6.75	6.76	6.81	6.86
	Alkalinity, Total as CaCO3	NS	NS	mg/L	551	495	469	420
	Chloride	250	NS	mg/L	25.7	15.2	26.4	19.5
	Nitrate as N	10	NS	mg/L	< 0.050	0.041 J	< 0.050	< 0.050
	Sulfate	250	NS	mg/L	99.4	120	165	163
	Organic Carbon, Total	NS	NS	mg/L	4.2	3.6	3.4	11.1
	Sulfide	NS	NS	mg/L	< 1.0	< 1.0	< 1.0	< 1.0

Notes:

Bold values indicate a detection above the laboratory reporting detection limit.

Shaded values indicate an exceedence of the groundwater standard.

< = Compound not detected at concentrationsabove the indicated laboratory reporting limit.

-- = not analyzed

J = The analyte was positively identified; the numerical value is considered approximate.

N = Normal Environmental Sample

FD = Field Duplicate Sample

NS = No Standard

* = NY TOGS 1.1.1 Class GA Aesthetic Standard for Iron and Manganese is 0.3 mg/L each and 0.5 mg/L combined (Class GA, Type E, Basis Code F)

mg/L = milligrams per liter

µg/L = micrograms per liter

Table 7
Biotrap Analytical Results
Former Leica Microsystems - Cheektowaga
Cheektowaga, New York

Analyte		Location	MW-11A	MW-26A	MW-53
		Sample Date	12/04/2024	12/04/2024	12/04/2024
		Sample Type	N	N	N
		Unit			
Reductive Dechlorination	Dehalococcoides spp.	cells/bead	**320**	**550**	**14**
	Dehalococcoides tceA Reductase (TCE)	cells/bead	< 12.5	**19**	< 12.5
	Dehalococcoides Vinyl chloride reductase	cells/bead	**42**	**530**	< 12.5
	BAV1 Vinyl Chloride Reductase	cells/bead	**21**	**14**	< 12.5
	Dehalobacter spp.	cells/bead	**86,000**	**230,000**	< 12.5
	Dehalobacter DCM	cells/bead	< 12.5	< 12.5	< 12.5
	Dehalogenimonas spp. (DHG)	cells/bead	**4,000**	**45,000**	< 12.5
	CerA Reductase (CER)	cells/bead	**300**	**620**	< 12.5
	trans-1,2-Dichloroethene reductase	cells/bead	< 12.5	< 12.5	< 12.5
	Desulfitobacterium spp.	cells/bead	**78,000**	**230,000**	< 12.5
	Dehalobium chlorocoercia	cells/bead	**14,000**	**170**	< 12.5
	Desulfuromonas spp.	cells/bead	**15,000**	< 12.5	**36**
	PCE Reductase 1	cells/bead	< 12.5	< 12.5	< 12.5
	PCE Reductase 2	cells/bead	< 12.5	< 12.5	< 12.5
	Chloroform Reductase (CFR)	cells/bead	< 12.5	< 12.5	< 12.5
	1,1 DCA Reductase	cells/bead	< 12.5	< 12.5	< 12.5
	1,2 DCA Reductase	cells/bead	< 12.5	< 12.5	< 12.5
Aerobic (Co)Metabolic	Soluble Methane Monooxygenase	cells/bead	< 12.5	< 12.5	< 12.5
	Toluene Dioxygenase	cells/bead	< 12.5	< 12.5	< 12.5
	Phenol Hydroxylase	cells/bead	**4,200**	**1,600**	**17,000**
	Trichlorobenzene Dioxygenase	cells/bead	< 12.5	< 12.5	< 12.5
	Toluene Monooxygenase	cells/bead	**3,500**	< 12.5	**22,000**
	Toluene Monooxygenase 2	cells/bead	**180**	< 12.5	**31,000**
	Ethene Monooxygenase	cells/bead	**4,100**	< 12.5	< 12.5
	Epoxyalkane Transferase	cells/bead	**19,000**	< 12.5	**3,600**
	Dichloromethane Dehalogenase	cells/bead	< 12.5	< 12.5	< 12.5
Total	Eubacteria, Total	cells/bead	**10,900,000**	**14,900,000**	**47,600,000**
	Sulfate Reducing Bacteria (APS)	cells/bead	**330,000**	**260,000**	**14,000**
	Methanogens	cells/bead	< 12.5	**18**	< 12.5

Notes:

Bold values indicate detections above the laboratory reporting detection limit.

< = Compound not detected at concentrations above the laboratory reporting detection limit

N = Normal Environmental Sample

cells/bead = cells per bead

Table 8
Saint Stanislaus Soil Gas Sampling Summary
Former Leica Microsystems - Cheektowaga
Cheektowaga, New York

Analyte	Location	AA-06	AA-09	SV-13	SV-13	SV-13	SV-14	SV-14	SV-15	SV-15
	Sample Date	05/07/2024	10/08/2024	05/07/2024	05/07/2024	10/08/2024	05/07/2024	10/08/2024	05/07/2024	10/08/2024
	Sample Type	N	N	N	FD	N	N	N	N	N
	Unit									
1,1,1-Trichloroethane	µg/m3	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.54	< 1.09	< 1.67
1,1,2,2-Tetrachloroethane	µg/m3	< 1.37	< 1.37	< 1.37	< 1.37	< 1.37	< 1.37	< 1.94	< 1.37	< 2.10
1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113)	µg/m3	< 1.53	< 1.53	< 1.53	< 1.53	< 1.53	< 1.53	< 2.17	< 1.53	< 2.35
1,1,2-Trichloroethane	µg/m3	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.54	< 1.09	< 1.67
1,1-Dichloroethane	µg/m3	< 0.809	< 0.809	< 0.809	< 0.809	< 0.809	< 0.809	< 1.15	< 0.809	< 1.24
1,1-Dichloroethene	µg/m3	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 1.12	< 0.793	< 1.21
1,2,4-Trichlorobenzene	µg/m3	< 1.48	< 1.48	< 1.48	< 1.48	< 1.48	< 1.48	< 2.10	< 1.48	< 2.27
1,2,4-Trimethylbenzene	µg/m3	< 0.983	< 0.983	**4.58**	**5.41**	< 0.983	< 0.983	< 1.39	< 0.983	< 1.50
1,2-dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	µg/m3	< 1.40	< 1.40	< 1.40	< 1.40	< 1.40	< 1.40	< 1.98	< 1.40	< 2.14
1,2-Dichlorobenzene	µg/m3	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.70	< 1.20	< 1.84
1,2-Dichloroethane	µg/m3	< 0.809	< 0.809	< 0.809	< 0.809	< 0.809	< 0.809	< 1.15	< 0.809	< 1.24
1,2-Dichloropropane	µg/m3	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 1.31	< 0.924	< 1.41
1,3,5-Trimethylbenzene	µg/m3	< 0.983	< 0.983	**1.17**	**1.87**	< 0.983	< 0.983	< 1.39	< 0.983	< 1.50
1,3-Butadiene	µg/m3	< 0.442	< 0.442	< 0.442	< 0.442	< 0.442	< 0.442	< 0.626	< 0.442	< 0.677
1,3-Dichlorobenzene	µg/m3	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.70	< 1.20	< 1.84
1,4-Dichlorobenzene	µg/m3	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.70	< 1.20	< 1.84
1,4-Dioxane	µg/m3	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 1.02	< 0.721	< 1.10
2,2,4-Trimethylpentane	µg/m3	< 0.934	< 0.934	**4.59**	< 0.934	< 0.934	**1.68**	< 1.32	< 0.934	< 1.43
2-Butanone	µg/m3	< 1.47	< 1.47	**10.0**	**6.93**	< 1.47	**2.54**	< 2.09	< 1.47	< 2.26
2-Hexanone	µg/m3	< 0.820	< 0.820	< 0.820	< 0.820	< 0.820	< 0.820	< 1.16	< 0.820	< 1.25
4-Ethyltoluene	µg/m3	< 0.983	< 0.983	**1.01**	**1.16**	< 0.983	< 0.983	< 1.39	< 0.983	< 1.50
4-Methyl-2-pentanone	µg/m3	< 2.05	< 2.05	< 2.05	< 2.05	< 2.05	< 2.05	< 2.90	< 2.05	< 3.14
Acetone	µg/m3	**5.58**	**3.16**	**43.7**	**55.1**	< 2.38	**4.54**	< 3.37	**3.37**	< 3.63
Allyl chloride	µg/m3	< 0.626	< 0.626	< 0.626	< 0.626	< 0.626	< 0.626	< 0.886	< 0.626	< 0.958
Benzene	µg/m3	< 0.639	< 0.639	**9.62**	**8.31**	< 0.639	< 0.639	< 0.904	< 0.639	< 0.978
Benzyl chloride	µg/m3	< 1.04	< 1.04	< 1.04	< 1.04	< 1.04	< 1.04	< 1.47	< 1.04	< 1.58
Bromodichloromethane	µg/m3	< 1.34	< 1.34	< 1.34	< 1.34	< 1.34	< 1.34	< 1.90	< 1.34	< 2.05
Bromoform	µg/m3	< 2.07	< 2.07	< 2.07	< 2.07	< 2.07	< 2.07	< 2.93	< 2.07	< 3.16
Carbon disulfide	µg/m3	< 0.623	< 0.623	< 0.623	< 0.623	< 0.623	< 0.623	< 0.881	< 0.623	< 0.953
Carbon tetrachloride	µg/m3	< 1.26	< 1.26	< 1.26	< 1.26	< 1.26	< 1.26	< 1.78	< 1.26	< 1.92
Chlorobenzene	µg/m3	< 0.921	< 0.921	< 0.921	< 0.921	< 0.921	< 0.921	< 1.30	< 0.921	< 1.41
Chloroethane	µg/m3	< 0.528	< 0.528	< 0.528	< 0.528	< 0.528	< 0.528	< 0.747	< 0.528	< 0.807
Chloroform	µg/m3	< 0.977	< 0.977	< 0.977	< 0.977	< 0.977	< 0.977	< 1.38	< 0.977	< 1.49
cis-1,2-Dichloroethene	µg/m3	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 1.12	< 0.793	< 1.21
cis-1,3-Dichloropropene	µg/m3	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 1.28	< 0.908	< 1.39
Cyclohexane	µg/m3	< 0.688	< 0.688	**3.99**	**3.79**	< 0.688	**1.36**	< 0.974	< 0.688	< 1.05
Dibromochloromethane	µg/m3	< 1.70	< 1.70	< 1.70	< 1.70	< 1.70	< 1.70	< 2.41	< 1.70	< 2.61
Dichlorodifluoromethane (Freon 12)	µg/m3	**2.53**	**1.94**	**2.69**	**2.69**	**1.73**	**2.53**	**1.95**	**2.86**	**1.85**
Ethanol	µg/m3	< 9.42	< 9.42	< 9.42	< 9.42	< 9.42	< 9.42	< 13.3	**10.0**	< 14.4
Ethyl acetate	µg/m3	< 1.80	< 1.80	< 1.80	< 1.80	< 1.80	< 1.80	< 2.55	< 1.80	< 2.76
Ethylbenzene	µg/m3	< 0.869	< 0.869	**3.44**	**5.82**	< 0.869	< 0.869	< 1.23	< 0.869	< 1.33
Ethylene dibromide	µg/m3	< 1.54	< 1.54	< 1.54	< 1.54	< 1.54	< 1.54	< 2.17	< 1.54	< 2.35
Heptane	µg/m3	< 0.820	< 0.820	**5.00**	**7.05**	< 0.820	< 0.820	< 1.16	< 0.820	< 1.25
Hexachlorobutadiene	µg/m3	< 2.13	< 2.13	< 2.13	< 2.13	< 2.13	< 2.13	< 3.02	< 2.13	< 3.26
Isopropyl alcohol	µg/m3	< 1.23	< 1.23 J	< 1.23	< 1.23	< 1.23 J	< 1.23	< 1.74 J	< 1.23	< 1.88 J
m,p-Xylenes	µg/m3	< 1.74	< 1.74	**7.86**	**24.9**	< 1.74	< 1.74	< 2.46	< 1.74	< 2.66
Methyl bromide	µg/m3	< 0.777	< 0.777	< 0.777	< 0.777	< 0.777	< 0.777	< 1.10	< 0.777	< 1.19
Methyl chloride	µg/m3	**1.24**	**0.880**	< 0.413	< 0.413	< 0.413	< 0.413	< 0.584	< 0.413	< 0.632
Methyl tert-butyl ether	µg/m3	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 1.02	< 0.721	< 1.10
Methylene chloride	µg/m3	**2.86**	< 1.74	< 1.74	< 1.74	< 1.74	< 1.74	< 2.46	< 1.74	< 2.66
Naphthalene	µg/m3	< 1.05	< 1.05	< 1.05	< 1.05	< 1.05	< 1.05	< 1.48	< 1.05	< 1.60
n-Hexane	µg/m3	< 0.705	< 0.705	**3.63**	**3.74**	< 0.705	< 0.705	< 0.997	< 0.705	< 1.08
o-Xylene	µg/m3	< 0.869	< 0.869	**2.80**	**8.56**	< 0.869	< 0.869	< 1.23	< 0.869	< 1.33
Styrene	µg/m3	< 0.852	< 0.852	< 0.852	< 0.852	< 0.852	< 0.852	< 1.20	< 0.852	< 1.30
tert-Butyl alcohol	µg/m3	< 1.52	< 1.52	< 1.52	< 1.52	< 1.52	**2.19**	< 2.15	< 1.52	< 2.32
Tetrachloroethene	µg/m3	< 1.36	< 1.36	< 1.36	< 1.36	< 1.36	< 1.36	< 1.92	< 1.36	< 2.08
Tetrahydrofuran	µg/m3	< 1.47	< 1.47	< 1.47	< 1.47	< 1.47	< 1.47	< 2.09	< 1.47	< 2.26
Toluene	µg/m3	**0.863**	< 0.754	**28.1**	**37.5**	< 0.754	< 0.754	< 1.07	< 0.754	< 1.15
trans-1,2-Dichloroethene	µg/m3	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 1.12	< 0.793	< 1.21
trans-1,3-Dichloropropene	µg/m3	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 1.28	< 0.908	< 1.39
Trichloroethene	µg/m3	< 1.07	< 1.07	< 1.07	< 1.07	< 1.07	< 1.07	< 1.52	< 1.07	< 1.64
Trichlorofluoromethane (Freon 11)	µg/m3	**1.29**	< 1.12	**1.65**	**1.62**	< 1.12	**1.37**	< 1.59	**1.61**	< 1.72
Vinyl bromide	µg/m3	< 0.874	< 0.874	< 0.874	< 0.874	< 0.874	< 0.874	< 1.24	< 0.874	< 1.34
Vinyl chloride	µg/m3	< 0.511	< 0.511	< 0.511	< 0.511	< 0.511	< 0.511	< 0.723	< 0.511	< 0.782
Chlorinated Ethanes, Total	µg/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorinated Ethenes, Total	µg/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds, Total	µg/m3	**14.4**	**5.98**	**22.04**	**174.5**	**1.73 J**	**16.21**	**1.95 J**	**17.8**	**1.85 J**
Chlorinated Volatile Organic Compounds, Total	µg/m3	**5.06**	**2.82**	**2.04**	**4.31**	**1.73**	**3.90**	**1.95**	**4.47**	**1.85**

Notes:

Bold values indicate a detection above the laboratory reporting detection limit.

< = Compound not detected at concentrationsabove the laboratory reporting detection limit.The laboratory reporting detection limit is shown.

J = The analyte was positively identified; associated numerical value is the approximate concentration of the analyte in the sample.

N = Normal Environmental Sample

FD = Field Duplicate Sample

ND = No Detection

µg/m3 = micrograms per cubic meter

All totals calculated to the highest order of magnitude reported by the laboratory

Chlorinated Ethanes = 1,1-Dichloroethane & 1,1-Dichloroethene

Chlorinated Ethenes = Trichlrooethene, cis-1,2-Dichloroethene, trans-1,2-Dichloroethene, & Vinyl Chloride

Table 8
Saint Stanislaus Soil Gas Sampling Summary
Former Leica Microsystems - Cheektowaga
Cheektowaga, New York

Analyte	Location	SV-16	SV-16	SV-16	SV-17	SV-18	SV-18	SV-19	SV-19
	Sample Date	05/07/2024	10/08/2024	10/08/2024	05/07/2024	05/07/2024	10/08/2024	05/07/2024	10/08/2024
	Sample Type	N	N	FD	N	N	N	N	N
	Unit								
1,1,1-Trichloroethane	µg/m3	< 1.09	< 1.57	< 1.63	< 1.09	< 1.09	< 1.61	< 1.09	< 1.55
1,1,2,2-Tetrachloroethane	µg/m3	< 1.37	< 1.98	< 2.05	< 1.37	< 1.37	< 2.03	< 1.37	< 1.95
1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113)	µg/m3	< 1.53	< 2.21	< 2.28	< 1.53	< 1.53	< 2.26	< 1.53	< 2.18
1,1,2-Trichloroethane	µg/m3	< 1.09	< 1.57	< 1.63	< 1.09	< 1.09	< 1.61	< 1.09	< 1.55
1,1-Dichloroethane	µg/m3	< 0.809	< 1.17	< 1.21	< 0.809	< 0.809	< 1.19	< 0.809	< 1.15
1,1-Dichloroethene	µg/m3	< 0.793	< 1.14	< 1.18	< 0.793	< 0.793	< 1.17	< 0.793	< 1.13
1,2,4-Trichlorobenzene	µg/m3	< 1.48	< 2.14	< 2.21	< 1.48	< 1.48	< 2.19	< 1.48	< 2.11
1,2,4-Trimethylbenzene	µg/m3	**1.08**	< 1.42	< 1.47	< 0.983	< 0.983	< 1.45	< 0.983	< 1.40
1,2-dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	µg/m3	< 1.40	< 2.01	< 2.08	< 1.40	< 1.40	< 2.06	< 1.40	< 1.99
1,2-Dichlorobenzene	µg/m3	< 1.20	< 1.73	< 1.79	< 1.20	< 1.20	< 1.77	< 1.20	< 1.71
1,2-Dichloroethane	µg/m3	< 0.809	< 1.17	< 1.21	< 0.809	< 0.809	< 1.19	< 0.809	< 1.15
1,2-Dichloropropane	µg/m3	< 0.924	< 1.33	< 1.38	< 0.924	< 0.924	< 1.36	< 0.924	< 1.31
1,3,5-Trimethylbenzene	µg/m3	< 0.983	< 1.42	< 1.47	< 0.983	< 0.983	< 1.45	< 0.983	< 1.40
1,3-Butadiene	µg/m3	< 0.442	< 0.637	< 0.659	< 0.442	< 0.442	< 0.653	< 0.442	< 0.628
1,3-Dichlorobenzene	µg/m3	< 1.20	< 1.73	< 1.79	< 1.20	< 1.20	< 1.77	< 1.20	< 1.71
1,4-Dichlorobenzene	µg/m3	< 1.20	< 1.73	< 1.79	< 1.20	< 1.20	< 1.77	< 1.20	< 1.71
1,4-Dioxane	µg/m3	< 0.721	< 1.04	< 1.07	< 0.721	< 0.721	< 1.06	< 0.721	< 1.02
2,2,4-Trimethylpentane	µg/m3	< 0.934	< 1.35	< 1.39	< 0.934	**7.61**	< 1.38	< 0.934	< 1.33
2-Butanone	µg/m3	< 1.47	< 2.13	< 2.20	< 1.47	**2.24**	< 2.18	< 1.47	< 2.09
2-Hexanone	µg/m3	< 0.820	< 1.18	< 1.22	< 0.820	< 0.820	< 1.21	< 0.820	< 1.16
4-Ethyltoluene	µg/m3	< 0.983	< 1.42	< 1.47	< 0.983	< 0.983	< 1.45	< 0.983	< 1.40
4-Methyl-2-pentanone	µg/m3	< 2.05	< 2.95	< 3.05	< 2.05	< 2.05	< 3.02	< 2.05	< 2.91
Acetone	µg/m3	**6.20**	< 3.42	< 3.54	**3.80**	**6.41**	< 3.52	**3.85**	< 3.37
Allyl chloride	µg/m3	< 0.626	< 0.901	< 0.933	< 0.626	< 0.626	< 0.923	< 0.626	< 0.889
Benzene	µg/m3	< 0.639	< 0.920	< 0.952	< 0.639	< 0.639	< 0.942	< 0.639	< 0.907
Benzyl chloride	µg/m3	< 1.04	< 1.49	< 1.54	< 1.04	< 1.04	< 1.53	< 1.04	< 1.47
Bromodichloromethane	µg/m3	< 1.34	< 1.93	< 2.00	< 1.34	< 1.34	< 1.98	< 1.34	< 1.90
Bromoform	µg/m3	< 2.07	< 2.98	< 3.08	< 2.07	< 2.07	< 3.05	< 2.07	< 2.94
Carbon disulfide	µg/m3	< 0.623	< 0.897	< 0.928	< 0.623	**1.02**	< 0.919	< 0.623	< 0.884
Carbon tetrachloride	µg/m3	< 1.26	< 1.81	< 1.87	< 1.26	< 1.26	< 1.86	< 1.26	< 1.79
Chlorobenzene	µg/m3	< 0.921	< 1.33	< 1.37	< 0.921	< 0.921	< 1.36	< 0.921	< 1.31
Chloroethane	µg/m3	< 0.528	< 0.760	< 0.786	< 0.528	< 0.528	< 0.778	< 0.528	< 0.749
Chloroform	µg/m3	< 0.977	< 1.41	< 1.46	< 0.977	< 0.977	< 1.44	< 0.977	< 1.39
cis-1,2-Dichloroethene	µg/m3	< 0.793	< 1.14	< 1.18	< 0.793	< 0.793	< 1.17	< 0.793	< 1.13
cis-1,3-Dichloropropene	µg/m3	< 0.908	< 1.31	< 1.35	< 0.908	< 0.908	< 1.34	< 0.908	< 1.29
Cyclohexane	µg/m3	< 0.688	< 0.991	< 1.03	< 0.688	**5.82**	< 1.02	< 0.688	< 0.978
Dibromochloromethane	µg/m3	< 1.70	< 2.45	< 2.54	< 1.70	< 1.70	< 2.51	< 1.70	< 2.42
Dichlorodifluoromethane (Freon 12)	µg/m3	**2.96**	**1.88**	**1.91**	**2.94**	**2.68**	**1.76**	**3.37**	**1.54**
Ethanol	µg/m3	< 9.42	< 13.6	< 14.0	< 9.42	< 9.42	< 13.9	< 9.42	< 13.4
Ethyl acetate	µg/m3	< 1.80	< 2.60	< 2.68	< 1.80	< 1.80	< 2.66	< 1.80	< 2.56
Ethylbenzene	µg/m3	< 0.869	< 1.25	< 1.29	< 0.869	< 0.869	< 1.28	< 0.869	< 1.23
Ethylene dibromide	µg/m3	< 1.54	< 2.21	< 2.29	< 1.54	< 1.54	< 2.27	< 1.54	< 2.18
Heptane	µg/m3	< 0.820	< 1.18	< 1.22	< 0.820	**4.14**	< 1.21	< 0.820	< 1.16
Hexachlorobutadiene	µg/m3	< 2.13	< 3.07	< 3.18	< 2.13	< 2.13	< 3.15	< 2.13	< 3.03
Isopropyl alcohol	µg/m3	< 1.23	< 1.77 J	< 1.83 J	< 1.23	< 1.23	< 1.81 J	< 1.23	< 1.75 J
m,p-Xylenes	µg/m3	< 1.74	< 2.51	< 2.59	< 1.74	< 1.74	< 2.56	< 1.74	< 2.47
Methyl bromide	µg/m3	< 0.777	< 1.12	< 1.16	< 0.777	< 0.777	< 1.15	< 0.777	< 1.10
Methyl chloride	µg/m3	< 0.413	< 0.595	< 0.615	< 0.413	< 0.413	< 0.609	< 0.413	< 0.586
Methyl tert-butyl ether	µg/m3	< 0.721	< 1.04	< 1.07	< 0.721	< 0.721	< 1.06	< 0.721	< 1.02
Methylene chloride	µg/m3	< 1.74	< 2.50	< 2.59	< 1.74	< 1.74	< 2.56	< 1.74	< 2.47
Naphthalene	µg/m3	< 1.05	< 1.51	< 1.56	< 1.05	< 1.05	< 1.55	< 1.05	< 1.49
n-Hexane	µg/m3	< 0.705	< 1.02	< 1.05	< 0.705	**4.37**	< 1.04	< 0.705	< 1.00
o-Xylene	µg/m3	< 0.869	< 1.25	< 1.29	< 0.869	< 0.869	< 1.28	< 0.869	< 1.23
Styrene	µg/m3	< 0.852	< 1.23	< 1.27	< 0.852	< 0.852	< 1.26	< 0.852	< 1.21
tert-Butyl alcohol	µg/m3	< 1.52	< 2.19	< 2.26	< 1.52	**4.40**	< 2.24	**1.96**	< 2.15
Tetrachloroethene	µg/m3	< 1.36	< 1.95	< 2.02	< 1.36	< 1.36	< 2.00	< 1.36	< 1.93
Tetrahydrofuran	µg/m3	< 1.47	< 2.13	< 2.20	< 1.47	< 1.47	< 2.18	< 1.47	< 2.09
Toluene	µg/m3	**0.920**	< 1.09	< 1.12	< 0.754	**0.822**	< 1.11	< 0.754	< 1.07
trans-1,2-Dichloroethene	µg/m3	< 0.793	< 1.14	< 1.18	< 0.793	< 0.793	< 1.17	< 0.793	< 1.13
trans-1,3-Dichloropropene	µg/m3	< 0.908	< 1.31	< 1.35	< 0.908	< 0.908	< 1.34	< 0.908	< 1.29
Trichloroethene	µg/m3	< 1.07	< 1.55	< 1.60	< 1.07	< 1.07	< 1.59	< 1.07	< 1.53
Trichlorofluoromethane (Freon 11)	µg/m3	**1.70**	< 1.62	< 1.67	< 1.12	< 1.12	< 1.66	**1.44**	< 1.60
Vinyl bromide	µg/m3	< 0.874	< 1.26	< 1.30	< 0.874	< 0.874	< 1.29	< 0.874	< 1.24
Vinyl chloride	µg/m3	< 0.511	< 0.736	< 0.762	< 0.511	< 0.511	< 0.754	< 0.511	< 0.726
Chlorinated Ethanes, Total	µg/m3	ND	ND	ND	ND	ND	ND	ND	ND
Chlorinated Ethenes, Total	µg/m3	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds, Total	µg/m3	**12.86**	**1.88 J**	**1.91 J**	**6.74**	**39.51**	**1.76 J**	**10.62**	**1.54 J**
Chlorinated Volatile Organic Compounds, Total	µg/m3	**4.66**	**1.88**	**1.91**	**2.94**	**2.68**	**1.76**	**4.81**	**1.54**

Notes:

Bold values indicate a detection above the laboratory reporting detection limit.

< = Compound not detected at concentrationsabove the laboratory reporting detection limit.The laboratory reporting detection limit is shown.

J = The analyte was positively identified; associated numerical value is the approximate concentration of the analyte in the sample.

N = Normal Environmental Sample

FD = Field Duplicate Sample

ND = No Detection

µg/m3 = micrograms per cubic meter

All totals calculated to the highest order of magnitude reported by the laboratory

Chlorinated Ethanes = 1,1-Dichloroethane & 1,1-Dichloroethene

Chlorinated Ethenes = Trichlrooethene, cis-1,2-Dichloroethene, trans-1,2-Dichloroethene, & Vinyl Chloride

Table 8A
PRB Soil Gas Sampling Summary
Former Leica Microsystems - Cheektowaga
Cheektowaga, New York

Analyte	Location	AA-07	AA-08	SV-03	SV-03	SV-04D	SV-04D	SV-04D	SV-04D
	Sample Date	06/24/2024	09/13/2024	06/24/2024	09/13/2024	06/24/2024	06/24/2024	09/13/2024	09/13/2024
	Sample Type	N	N	N	N	N	FD	N	FD
	Unit								
1,1,1-Trichloroethane	µg/m3	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09
1,1,2,2-Tetrachloroethane	µg/m3	< 1.37	< 1.37	< 1.37	< 1.37	< 1.37	< 1.37	< 1.37	< 1.37
1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113)	µg/m3	< 1.53	< 1.53	< 1.53	< 1.53	< 1.53	< 1.53	< 1.53	< 1.53
1,1,2-Trichloroethane	µg/m3	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09
1,1-Dichloroethane	µg/m3	< 0.809	< 0.809	< 0.809	< 0.809	< 0.809	< 0.809	< 0.809	< 0.809
1,1-Dichloroethene	µg/m3	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793
1,2,4-Trichlorobenzene	µg/m3	< 1.48	< 1.48	< 1.48	< 1.48	< 1.48	< 1.48	< 1.48	< 1.48
1,2,4-Trimethylbenzene	µg/m3	< 0.983	< 0.983	< 0.983	< 0.983	< 0.983	< 0.983	< 0.983	< 0.983
1,2-dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	µg/m3	< 1.40	< 1.40	< 1.40	< 1.40	< 1.40	< 1.40	< 1.40	< 1.40
1,2-Dichlorobenzene	µg/m3	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20
1,2-Dichloroethane	µg/m3	< 0.809	< 0.809	< 0.809	< 0.809	< 0.809	< 0.809	< 0.809	< 0.809
1,2-Dichloropropane	µg/m3	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924
1,3,5-Trimethylbenzene	µg/m3	< 0.983	< 0.983	< 0.983	< 0.983	< 0.983	< 0.983	< 0.983	< 0.983
1,3-Butadiene	µg/m3	< 0.442	< 0.442	< 0.442	< 0.442	< 0.442	< 0.442	< 0.442	< 0.442
1,3-Dichlorobenzene	µg/m3	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20
1,4-Dichlorobenzene	µg/m3	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20
1,4-Dioxane	µg/m3	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721
2,2,4-Trimethylpentane	µg/m3	< 0.934	< 0.934	< 0.934	< 0.934	**1.30**	< 0.934	< 0.934	< 0.934
2-Butanone	µg/m3	< 1.47	< 1.47	< 1.47	< 1.47	< 1.47	< 1.47	< 1.47	**8.35**
2-Hexanone	µg/m3	< 0.820	< 0.820 J	**1.10**	< 0.820	< 0.820	< 0.820	< 0.820	< 0.820
4-Ethyltoluene	µg/m3	< 0.983	< 0.983	< 0.983	< 0.983	< 0.983	< 0.983	< 0.983	< 0.983
4-Methyl-2-pentanone	µg/m3	< 2.05	< 2.05	< 2.05	< 2.05	< 2.05	< 2.05	< 2.05	< 2.05
Acetone	µg/m3	**9.03**	**10.4**	**4.11**	**4.47**	**4.70**	**4.13**	**3.73**	**5.82**
Allyl chloride	µg/m3	< 0.626	< 0.626	< 0.626	< 0.626	< 0.626	< 0.626	< 0.626	< 0.626
Benzene	µg/m3	< 0.639	< 0.639	< 0.639	< 0.639	< 0.639	< 0.639	< 0.639	< 0.639
Benzyl chloride	µg/m3	< 1.04	< 1.04	< 1.04	< 1.04	< 1.04	< 1.04	< 1.04	< 1.04
Bromodichloromethane	µg/m3	< 1.34	< 1.34	< 1.34	< 1.34	< 1.34	< 1.34	< 1.34	< 1.34
Bromoform	µg/m3	< 2.07	< 2.07 J	< 2.07	< 2.07	< 2.07	< 2.07	< 2.07	< 2.07
Carbon disulfide	µg/m3	< 0.623	< 0.623	< 0.623	< 0.623	< 0.623	< 0.623	< 0.623	< 0.623
Carbon tetrachloride	µg/m3	< 1.26	< 1.26	< 1.26	< 1.26	< 1.26	< 1.26	< 1.26	< 1.26
Chlorobenzene	µg/m3	< 0.921	< 0.921	< 0.921	< 0.921	< 0.921	< 0.921	< 0.921	< 0.921
Chloroethane	µg/m3	< 0.528	< 0.528	< 0.528	< 0.528	< 0.528	< 0.528	< 0.528	< 0.528
Chloroform	µg/m3	< 0.977	< 0.977	< 0.977	< 0.977	< 0.977	< 0.977	< 0.977	< 0.977
cis-1,2-Dichloroethene	µg/m3	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793
cis-1,3-Dichloropropene	µg/m3	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908
Cyclohexane	µg/m3	< 0.688	< 0.688	< 0.688	< 0.688	< 0.688	< 0.688	< 0.688	< 0.688
Dibromochloromethane	µg/m3	< 1.70	< 1.70	< 1.70	< 1.70	< 1.70	< 1.70	< 1.70	< 1.70
Dichlorodifluoromethane (Freon 12)	µg/m3	**1.97**	**2.29**	**2.04**	**2.97**	**2.09**	**2.09**	**2.32**	**2.29**
Ethanol	µg/m3	**12.5**	< 9.42	**12.6**	< 9.42	< 9.42	< 9.42	**27.7**	< 9.42
Ethyl acetate	µg/m3	< 1.80	< 1.80	< 1.80	< 1.80	< 1.80	< 1.80	< 1.80	< 1.80
Ethylbenzene	µg/m3	< 0.869	< 0.869	< 0.869	< 0.869	< 0.869	< 0.869	< 0.869	< 0.869
Ethylene dibromide	µg/m3	< 1.54	< 1.54	< 1.54	< 1.54	< 1.54	< 1.54	< 1.54	< 1.54
Heptane	µg/m3	< 0.820	< 0.820	< 0.820	< 0.820	< 0.820	< 0.820	< 0.820	< 0.820
Hexachlorobutadiene	µg/m3	< 2.13	< 2.13	< 2.13	< 2.13	< 2.13	< 2.13	< 0.533	< 0.533
Isopropyl alcohol	µg/m3	< 1.23	< 1.23	< 1.23	< 1.23	< 1.23	< 1.23	**1.41**	< 1.23
m,p-Xylenes	µg/m3	< 1.74	< 1.74	< 1.74	< 1.74	< 1.74	< 1.74	< 1.74	< 1.74
Methyl bromide	µg/m3	< 0.777	< 0.777	< 0.777	< 0.777	< 0.777	< 0.777	< 0.777	< 0.777
Methyl chloride	µg/m3	**1.13**	**1.25**	< 0.413	< 0.413	< 0.413	< 0.413	< 0.413	< 0.413
Methyl tert-butyl ether	µg/m3	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721
Methylene chloride	µg/m3	< 1.74	< 1.74	< 1.74	< 1.74	**6.53**	**2.11**	< 1.74	< 1.74
Naphthalene	µg/m3	< 1.05	< 1.05	< 1.05	< 1.05	< 1.05	< 1.05	< 1.05	< 1.05
n-Hexane	µg/m3	< 0.705	< 0.705	< 0.705	< 0.705	< 0.705	< 0.705	< 0.705	< 0.705
o-Xylene	µg/m3	< 0.869	< 0.869	< 0.869	< 0.869	< 0.869	< 0.869	< 0.869	< 0.869
Styrene	µg/m3	< 0.852	< 0.852	< 0.852	< 0.852	< 0.852	< 0.852	< 0.852	< 0.852
tert-Butyl alcohol	µg/m3	< 1.52	< 1.52	**2.19**	< 1.52	**2.46**	< 1.52	< 1.52	**8.28**
Tetrachloroethene	µg/m3	< 1.36	< 1.36	< 1.36	< 1.36	< 1.36	< 1.36	< 1.36	< 1.36
Tetrahydrofuran	µg/m3	< 1.47	**4.13**	< 1.47	< 1.47	< 1.47	< 1.47	< 1.47	< 1.47
Toluene	µg/m3	< 0.754	**1.48**	< 0.754	< 0.754	< 0.754	< 0.754	< 0.754	< 0.754
trans-1,2-Dichloroethene	µg/m3	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793
trans-1,3-Dichloropropene	µg/m3	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908
Trichloroethene	µg/m3	< 1.07	< 1.07	< 1.07	< 1.07	**32.1**	**31.3**	**45.5**	**49.9**
Trichlorofluoromethane (Freon 11)	µg/m3	**1.25**	< 1.12	< 1.12	< 1.12	**1.70**	**1.76**	< 1.12	**1.22**
Vinyl bromide	µg/m3	< 0.874	< 0.874	< 0.874	< 0.874	< 0.874	< 0.874	< 0.874	< 0.874
Vinyl chloride	µg/m3	< 0.511	< 0.511	< 0.511	< 0.511	< 0.511	< 0.511	< 0.511	< 0.511
Chlorinated Ethanes, Total	µg/m3	ND	ND	ND	ND	ND	ND	ND	ND
Chlorinated Ethenes, Total	µg/m3	ND	ND	ND	ND	**32.1**	**31.3**	**45.5**	**49.9**
Volatile Organic Compounds, Total	µg/m3	**25.88**	**19.55**	**22.04**	**7.44**	**50.88**	**41.39**	**80.66**	**75.86**
Chlorinated Volatile Organic Compounds, Total	µg/m3	**4.35**	**3.54**	**2.04**	**2.97**	**35.89**	**35.15**	**47.82**	**53.41**

Notes:

Bold values indicate a detection above the laboratory reporting detection limit.

< = Compound not detected at concentrationsabove the laboratory reporting detection limit.The laboratory reporting detection limit is shown.

N = Normal Environmental Sample

FD = Field Duplicate Sample

ND = No Detection

µg/m3 = micrograms per cubic meter

All totals calculated to the highest order of magnitude reported by the laboratory

Chlorinated Ethanes = 1,1-Dichloroethane & 1,1-Dichloroethene

Chlorinated Ethenes = Trichlrooethene, cis-1,2-Dichloroethene, trans-1,2-Dichloroethene, & Vinyl Chloride

Table 8A
PRB Soil Gas Sampling Summary
Former Leica Microsystems - Cheektowaga
Cheektowaga, New York

Analyte	Location	SV-04S	SV-04S	SV-05	SV-05
	Sample Date	06/24/2024	09/13/2024	06/24/2024	09/13/2024
	Sample Type	N	N	N	N
	Unit				
1,1,1-Trichloroethane	µg/m3	< 1.09	< 1.09	< 1.09	< 1.09
1,1,2,2-Tetrachloroethane	µg/m3	< 1.37	< 1.37	< 1.37	< 1.37
1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113)	µg/m3	< 1.53	< 1.53	< 1.53	< 1.53
1,1,2-Trichloroethane	µg/m3	< 1.09	< 1.09	< 1.09	< 1.09
1,1-Dichloroethane	µg/m3	< 0.809	< 0.809	< 0.809	< 0.809
1,1-Dichloroethene	µg/m3	< 0.793	< 0.793	< 0.793	< 0.793
1,2,4-Trichlorobenzene	µg/m3	< 1.48	< 1.48	< 1.48	< 1.48
1,2,4-Trimethylbenzene	µg/m3	< 0.983	< 0.983	< 0.983	< 0.983
1,2-dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	µg/m3	< 1.40	< 1.40	< 1.40	< 1.40
1,2-Dichlorobenzene	µg/m3	< 1.20	< 1.20	< 1.20	< 1.20
1,2-Dichloroethane	µg/m3	< 0.809	< 0.809	< 0.809	< 0.809
1,2-Dichloropropane	µg/m3	< 0.924	< 0.924	< 0.924	< 0.924
1,3,5-Trimethylbenzene	µg/m3	< 0.983	< 0.983	< 0.983	< 0.983
1,3-Butadiene	µg/m3	< 0.442	< 0.442	< 0.442	< 0.442
1,3-Dichlorobenzene	µg/m3	< 1.20	< 1.20	< 1.20	< 1.20
1,4-Dichlorobenzene	µg/m3	< 1.20	< 1.20	< 1.20	< 1.20
1,4-Dioxane	µg/m3	< 0.721	< 0.721	< 0.721	< 0.721
2,2,4-Trimethylpentane	µg/m3	< 0.934	< 0.934	< 0.934	**26.4**
2-Butanone	µg/m3	< 1.47	< 1.47	< 1.47	< 1.47
2-Hexanone	µg/m3	< 0.820	< 0.820	< 0.820	< 0.820
4-Ethyltoluene	µg/m3	< 0.983	< 0.983	< 0.983	< 0.983
4-Methyl-2-pentanone	µg/m3	< 2.05	< 2.05	< 2.05	< 2.05
Acetone	µg/m3	**4.13**	**4.42**	**4.11**	**2.61**
Allyl chloride	µg/m3	< 0.626	< 0.626	< 0.626	< 0.626
Benzene	µg/m3	**0.837**	< 0.639	**1.06**	< 0.639
Benzyl chloride	µg/m3	< 1.04	< 1.04	< 1.04	< 1.04
Bromodichloromethane	µg/m3	< 1.34	< 1.34	< 1.34	< 1.34
Bromoform	µg/m3	< 2.07	< 2.07	< 2.07	< 2.07
Carbon disulfide	µg/m3	< 0.623	< 0.623	< 0.623	< 0.623
Carbon tetrachloride	µg/m3	< 1.26	< 1.26	< 1.26	< 1.26
Chlorobenzene	µg/m3	< 0.921	< 0.921	< 0.921	< 0.921
Chloroethane	µg/m3	< 0.528	< 0.528	< 0.528	< 0.528
Chloroform	µg/m3	**4.46**	**8.50**	< 0.977	**1.33**
cis-1,2-Dichloroethene	µg/m3	**2.45**	< 0.793	< 0.793	< 0.793
cis-1,3-Dichloropropene	µg/m3	< 0.908	< 0.908	< 0.908	< 0.908
Cyclohexane	µg/m3	< 0.688	< 0.688	< 0.688	< 0.688
Dibromochloromethane	µg/m3	< 1.70	< 1.70	< 1.70	< 1.70
Dichlorodifluoromethane (Freon 12)	µg/m3	**1.77**	**2.34**	**1.76**	**2.33**
Ethanol	µg/m3	**10.1**	< 9.42	< 9.42	< 9.42
Ethyl acetate	µg/m3	< 1.80	< 1.80	< 1.80	< 1.80
Ethylbenzene	µg/m3	< 0.869	< 0.869	< 0.869	< 0.869
Ethylene dibromide	µg/m3	< 1.54	< 1.54	< 1.54	< 1.54
Heptane	µg/m3	**2.29**	< 0.820	< 0.820	< 0.820
Hexachlorobutadiene	µg/m3	< 2.13	< 0.533	< 2.13	< 0.533
Isopropyl alcohol	µg/m3	< 1.23	< 1.23	< 1.23	< 1.23
m,p-Xylenes	µg/m3	< 1.74	< 1.74	< 1.74	< 1.74
Methyl bromide	µg/m3	< 0.777	< 0.777	< 0.777	< 0.777
Methyl chloride	µg/m3	< 0.413	< 0.413	< 0.413	< 0.413
Methyl tert-butyl ether	µg/m3	< 0.721	< 0.721	< 0.721	< 0.721
Methylene chloride	µg/m3	**13.7**	< 1.74	< 1.74	< 1.74
Naphthalene	µg/m3	< 1.05	< 1.05	< 1.05	< 1.05
n-Hexane	µg/m3	**0.737**	< 0.705	< 0.705	**1.08**
o-Xylene	µg/m3	< 0.869	< 0.869	< 0.869	< 0.869
Styrene	µg/m3	< 0.852	< 0.852	< 0.852	< 0.852
tert-Butyl alcohol	µg/m3	**2.28**	< 1.52	< 1.52	< 1.52
Tetrachloroethene	µg/m3	**16.6**	**1.61**	< 1.36	< 1.36
Tetrahydrofuran	µg/m3	< 1.47	< 1.47	**2.89**	< 1.47
Toluene	µg/m3	**0.935**	< 0.754	< 0.754	< 0.754
trans-1,2-Dichloroethene	µg/m3	**26.2**	**22.3**	**1.52**	**5.39**
trans-1,3-Dichloropropene	µg/m3	< 0.908	< 0.908	< 0.908	< 0.908
Trichloroethene	µg/m3	**7200**	**10800**	**618**	**903**
Trichlorofluoromethane (Freon 11)	µg/m3	**1.42**	< 1.12	**1.62**	< 1.12
Vinyl bromide	µg/m3	< 0.874	< 0.874	< 0.874	< 0.874
Vinyl chloride	µg/m3	< 0.511	< 0.511	< 0.511	< 0.511
Chlorinated Ethanes, Total	µg/m3	ND	ND	ND	ND
Chlorinated Ethenes, Total	µg/m3	**7228.65**	**10822.3**	**619.52**	**908.39**
Volatile Organic Compounds, Total	µg/m3	**7287.909**	**10839.17**	**630.96**	**942.14**
Chlorinated Volatile Organic Compounds, Total	µg/m3	**7252.9**	**10834.75**	**622.9**	**912.05**

Notes:

Bold values indicate a detection above the laboratory reporting detection limit.

< = Compound not detected at concentrationsabove the laboratory reporting detection limit.The laboratory reporting detection limit is shown.

N = Normal Environmental Sample

FD = Field Duplicate Sample

ND = No Detection

µg/m3 = micrograms per cubic meter

All totals calculated to the highest order of magnitude reported by the laboratory

Chlorinated Ethanes = 1,1-Dichloroethane & 1,1-Dichloroethene

Chlorinated Ethenes = Trichlrooethene, cis-1,2-Dichloroethene, trans-1,2-Dichloroethene, & Vinyl Chloride

APPENDIX A INSTITUTIONAL CONTROL AND ENGINEERING CONTROL CERTIFICATION

Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. 915156

Site Name Leica, Inc.

Site Address: Eggert and Sugar Roads Zip Code: 14215
City/Town: Cheektowaga
County: Erie
Site Acreage: 24.000

Reporting Period: April 30, 2024 to April 30, 2025

	YES	NO
1. Is the information above correct?	x	
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?		x
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?		x
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?		x
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?		x

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial	x	
7. Are all ICs in place and functioning as designed?	x	

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative Date

SITE NO. 915156 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
91.00-1-26.11	Leica Microsystems, Inc.	Landuse Restriction Site Management Plan O&M Plan IC/EC Plan Ground Water Use Restriction Soil Management Plan Monitoring Plan

As per Declaration of Covenants and Restrictions (filed on February 28, 2012), the following controls are required :

1) Implementation of Site Management Plan, dated September 2011. Revised in August 2020.
2) Prohibition of use of groundwater without treatment.
3) Prohibition of property use other than commercial or industrial.

91.00-1-26.12	203 Eggert Road Properties, LLC	Ground Water Use Restriction Soil Management Plan Monitoring Plan O&M Plan IC/EC Plan Landuse Restriction Site Management Plan

As per Declaration of Covenants and Restrictions (filed on February 28, 2012), the following controls are required :

1) Implementation of Site Management Plan, dated September 2011. Revised in August 2020.
2) Prohibition of use of groundwater without treatment.
3) Prohibition of property use other than commercial or industrial.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
91.00-1-26.11	Vapor Mitigation Groundwater Treatment System Fencing/Access Control
91.00-1-26.12	Vapor Mitigation Groundwater Treatment System Fencing/Access Control Alternate Water Supply

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;

b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
X	

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

(a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

(b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

(c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

(d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

(e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

The SSDS EC in Box 4 is unable to be certified in the PRR. The SSDS is inoperable because of no apparent power supply to the building. The building is vacant and structurally unsafe for an evaluation to be performed. The property owner must restore power and repair the structure for the SSDS EC prior to evaluation/maintenance.

YES	NO
	X

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

_____ _____

Signature of Owner, Remedial Party or Designated Representative Date

IC CERTIFICATIONS
SITE NO. 915156

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Vince Guiliani (print name) at 2200 Pennsylvania Ave NW Suite 800, DC (print business address),

am certifying as Remedial Party (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.



Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

8/26/2025
Date

EC CERTIFICATIONS

Box 7

Professional Engineer Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Stephen A Mirabello (print name) at 5784 Widewaters Parkway Syracuse, NY, 13214 (print business address),

am certifying as a Professional Engineer for the Remedial Party (Owner or Remedial Party)

Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification

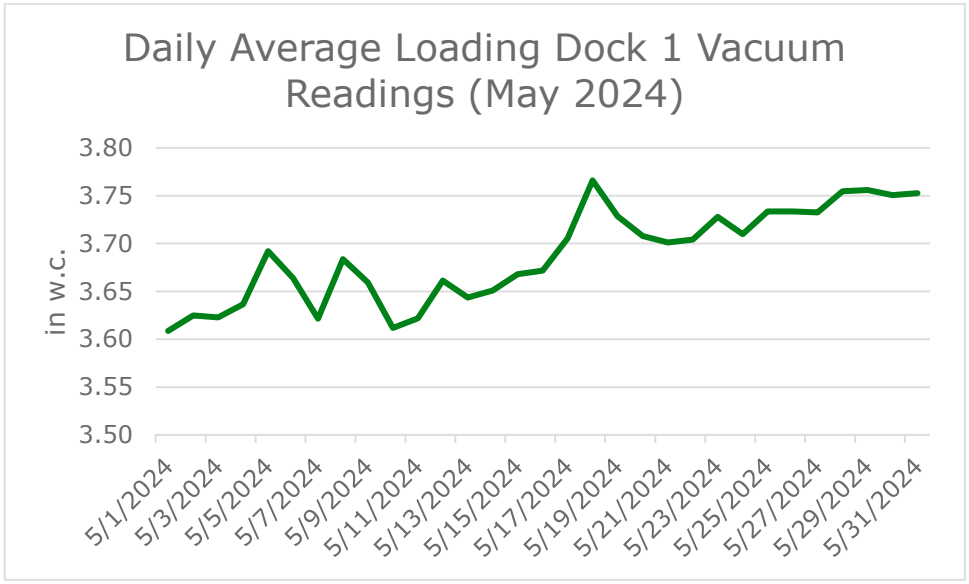
Stamp (Required for PE)

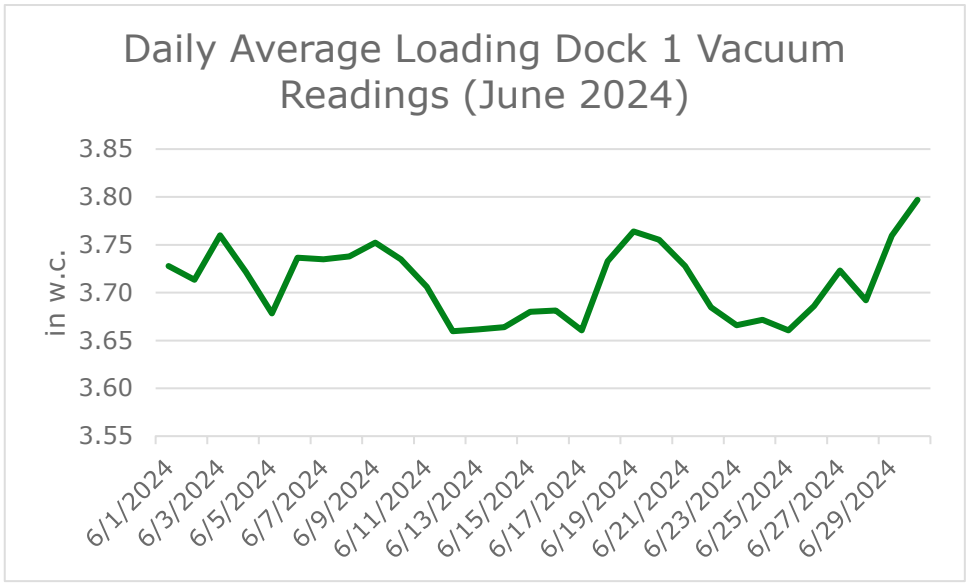
8/22/25
Date

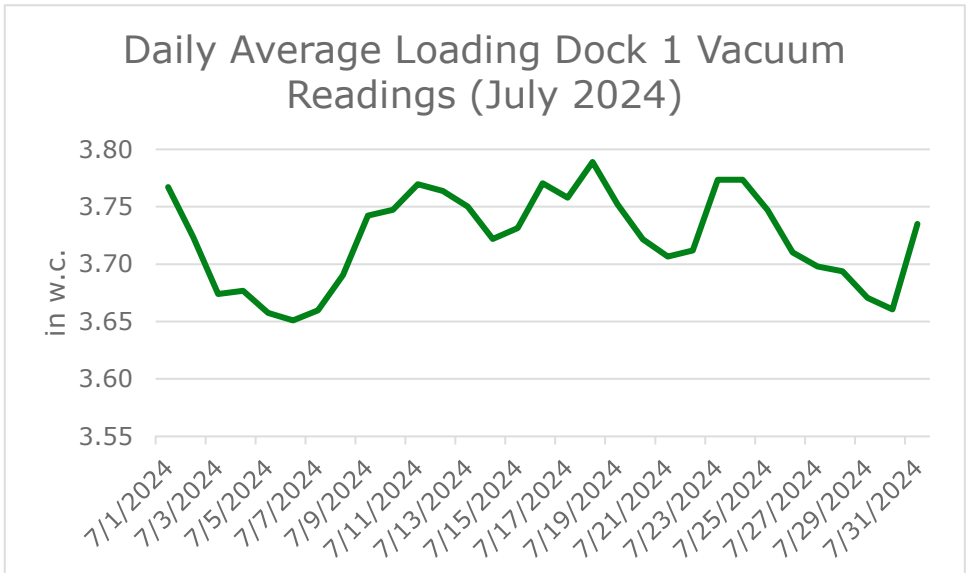
Certification is for Site Access and GWES ECs
The SSDS is inoperable because of no apparent power supply to the building. The building is vacant and structurally unsafe for an evaluation to be performed. The property owner must restore power and repair the structure for the SSDS EC prior to evaluation.

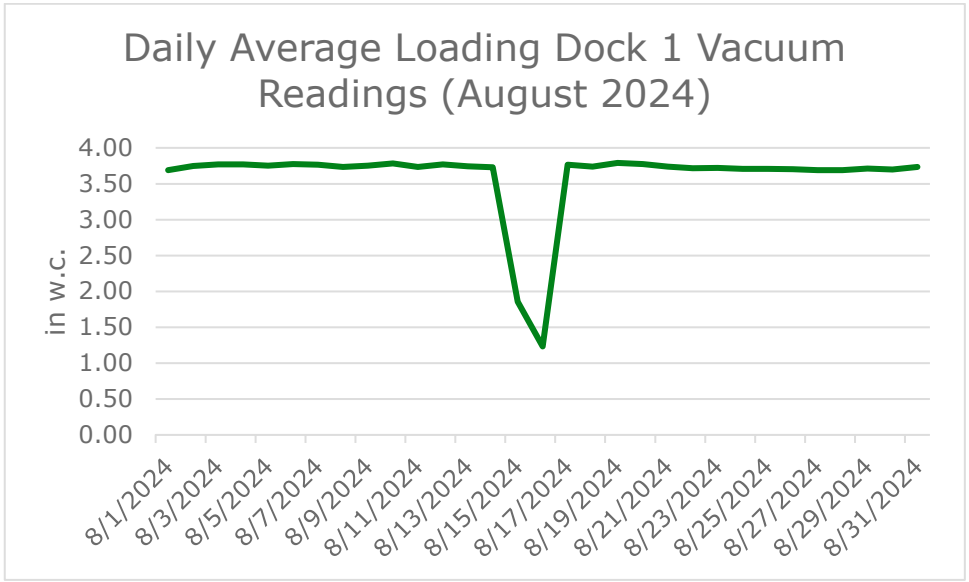


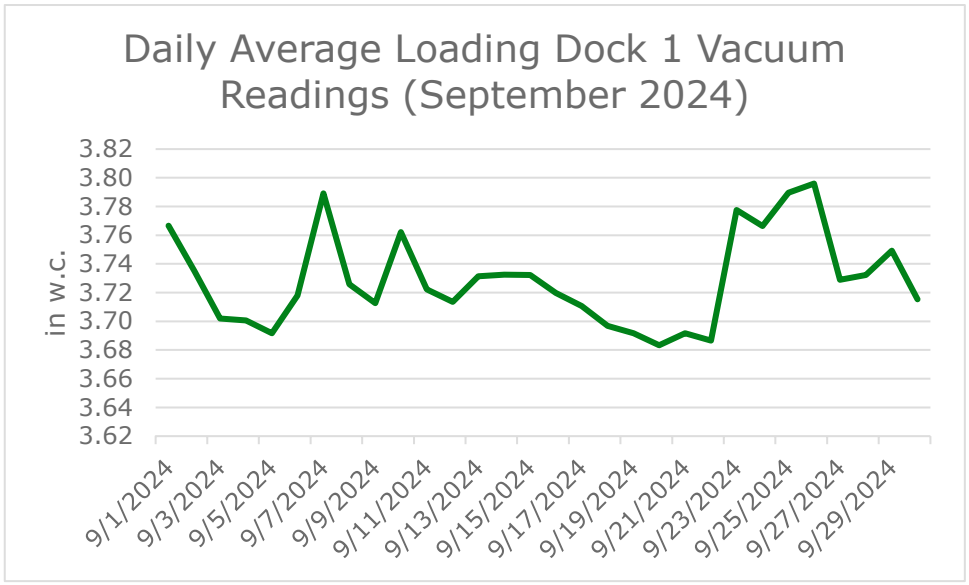
APPENDIX B SSDS VACUUM DATA

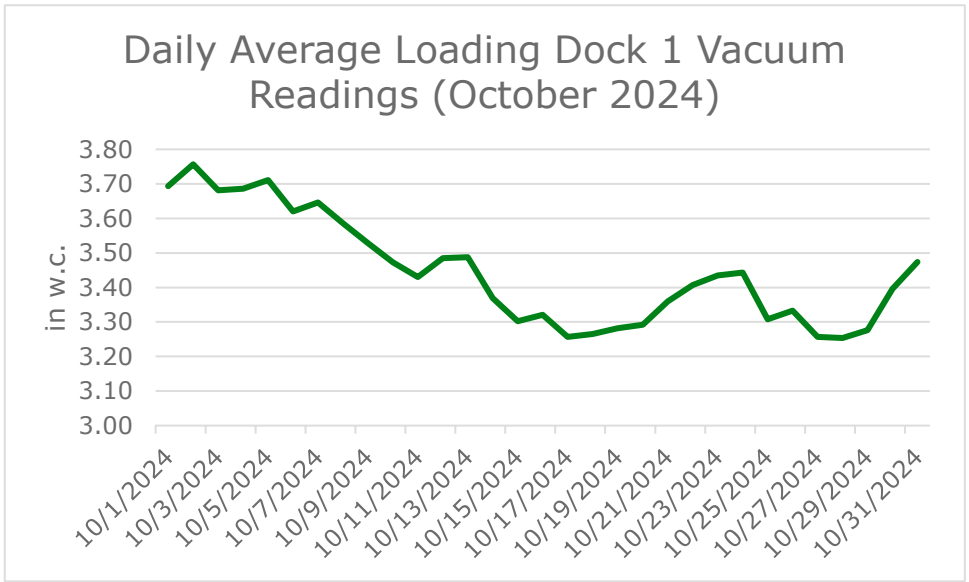

Daily Average Loading Dock 1 Vacuum Readings (May 2024)
in w.c.
3.80
3.75
3.70
3.65
3.60
3.55
3.50
5/1/2024
5/3/2024
5/5/2024
5/7/2024
5/9/2024
5/11/2024
5/13/2024
5/15/2024
5/17/2024
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5/25/2024
5/27/2024
5/29/2024
5/31/2024

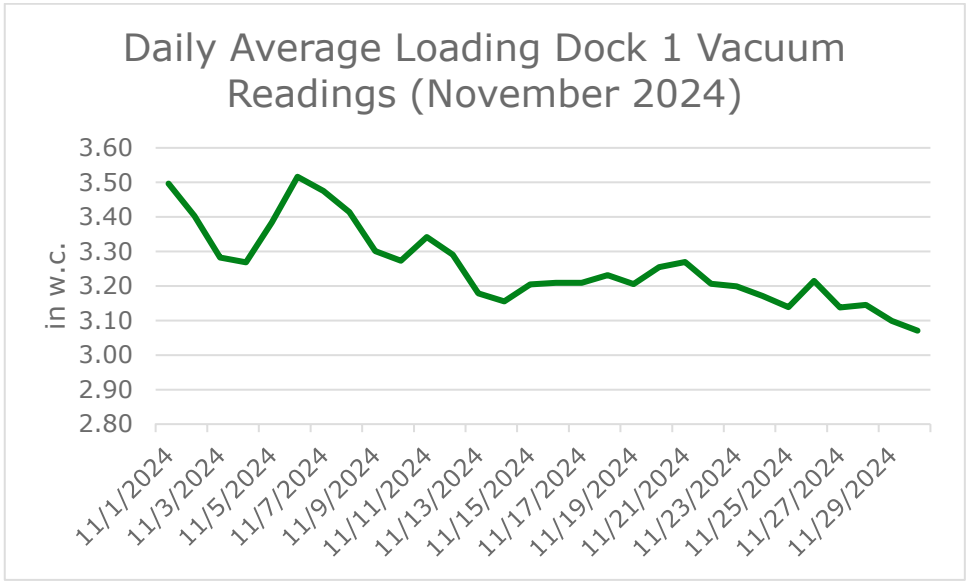

Daily Average Loading Dock 1 Vacuum Readings (June 2024)
in w.c.
3.85
3.80
3.75
3.70
3.65
3.60
3.55
6/1/2024
6/3/2024
6/5/2024
6/7/2024
6/9/2024
6/11/2024
6/13/2024
6/15/2024
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6/25/2024
6/27/2024
6/29/2024

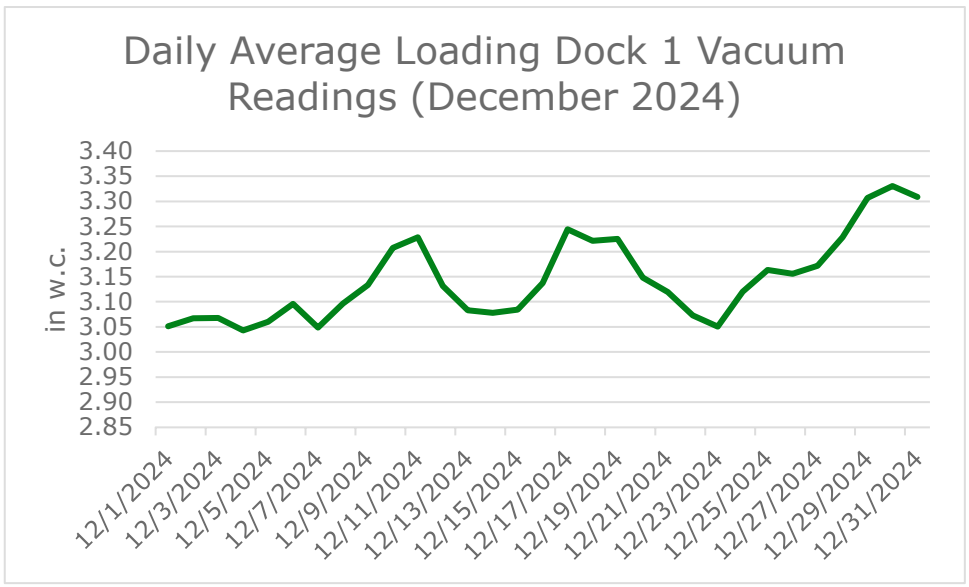

Daily Average Loading Dock 1 Vacuum Readings (July 2024)
in w.c.
3.80
3.75
3.70
3.65
3.60
3.55
7/1/2024
7/3/2024
7/5/2024
7/7/2024
7/9/2024
7/11/2024
7/13/2024
7/15/2024
7/17/2024
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7/29/2024
7/31/2024

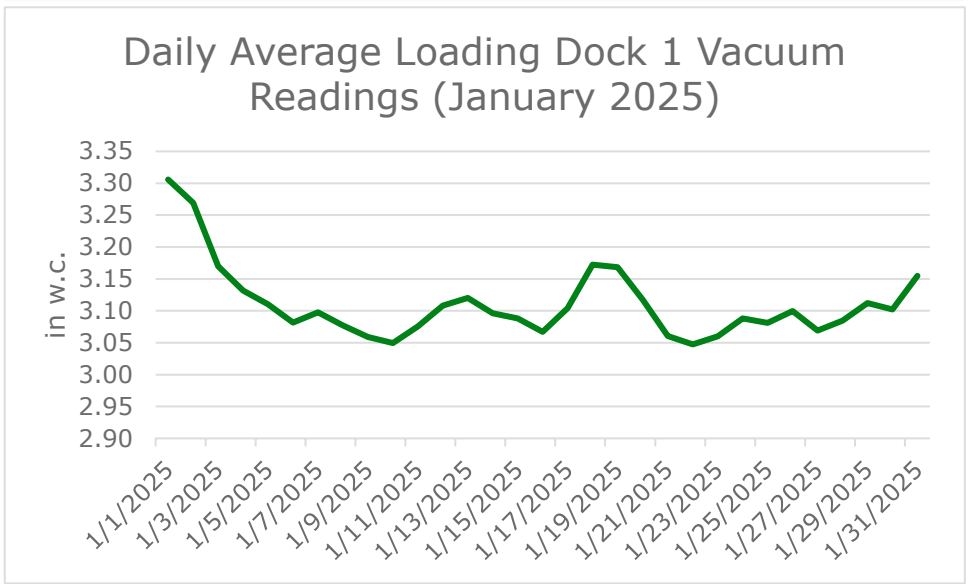

Daily Average Loading Dock 1 Vacuum Readings (August 2024)
in w.c.
4.00
3.50
3.00
2.50
2.00
1.50
1.00
0.50
0.00
8/1/2024
8/3/2024
8/5/2024
8/7/2024
8/9/2024
8/11/2024
8/13/2024
8/15/2024
8/17/2024
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8/29/2024
8/31/2024

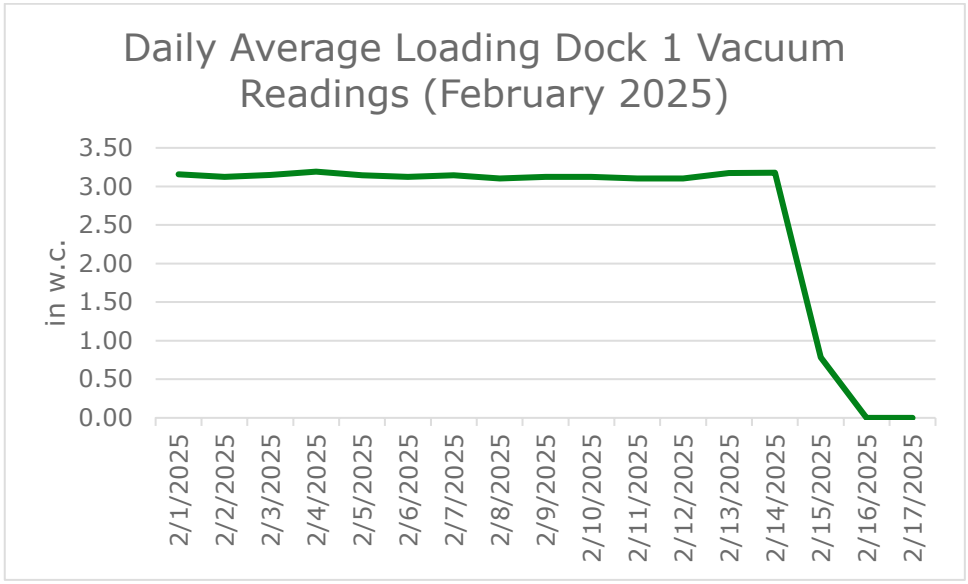

Daily Average Loading Dock 1 Vacuum Readings (September 2024)
in w.c.
3.82
3.80
3.78
3.76
3.74
3.72
3.70
3.68
3.66
3.64
3.62
9/1/2024
9/3/2024
9/5/2024
9/7/2024
9/9/2024
9/11/2024
9/13/2024
9/15/2024
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9/27/2024
9/29/2024

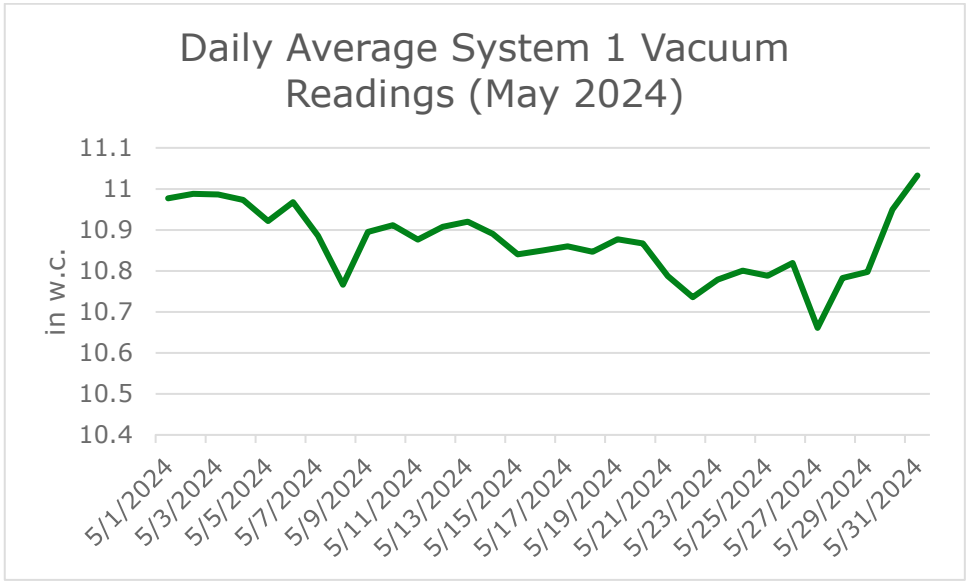

Daily Average Loading Dock 1 Vacuum Readings (October 2024)
in w.c.
3.80
3.70
3.60
3.50
3.40
3.30
3.20
3.10
3.00
10/1/2024
10/3/2024
10/5/2024
10/7/2024
10/9/2024
10/11/2024
10/13/2024
10/15/2024
10/17/2024
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10/29/2024
10/31/2024

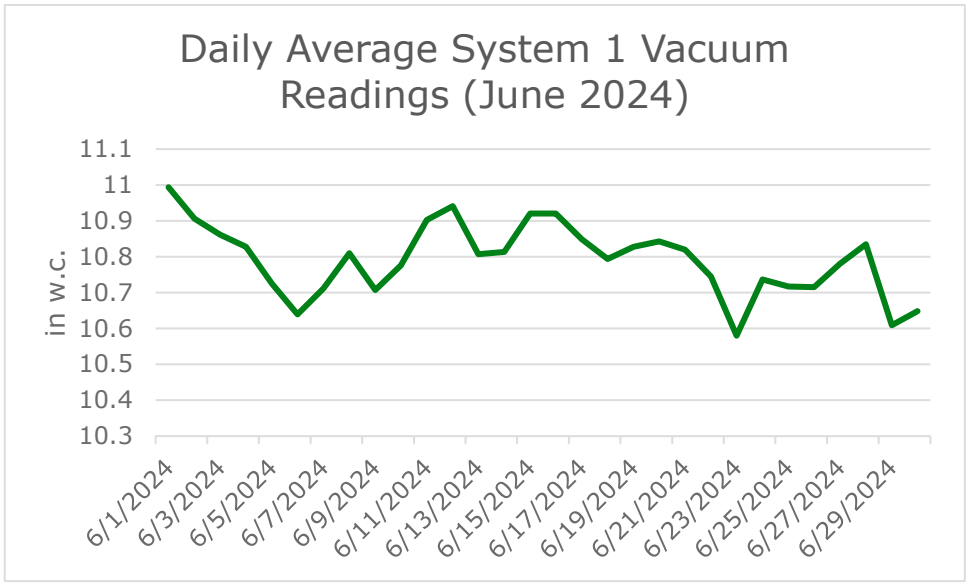

Daily Average Loading Dock 1 Vacuum Readings (November 2024)
in w.c.
3.60
3.50
3.40
3.30
3.20
3.10
3.00
2.90
2.80
11/1/2024
11/3/2024
11/5/2024
11/7/2024
11/9/2024
11/11/2024
11/13/2024
11/15/2024
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11/27/2024
11/29/2024

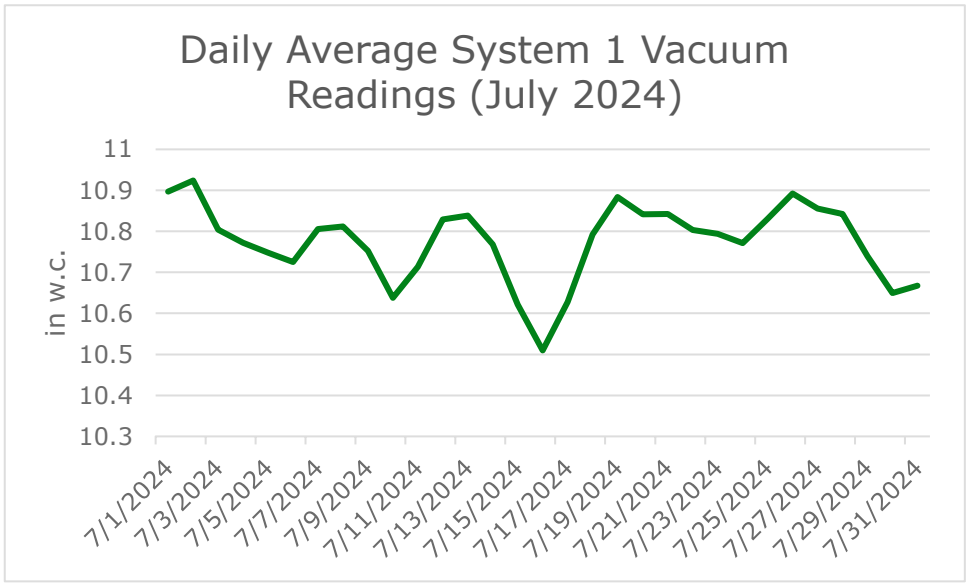

Daily Average Loading Dock 1 Vacuum Readings (December 2024)
in w.c.
3.40
3.35
3.30
3.25
3.20
3.15
3.10
3.05
3.00
2.95
2.90
2.85
12/1/2024
12/3/2024
12/5/2024
12/7/2024
12/9/2024
12/11/2024
12/13/2024
12/15/2024
12/17/2024
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12/29/2024
12/31/2024

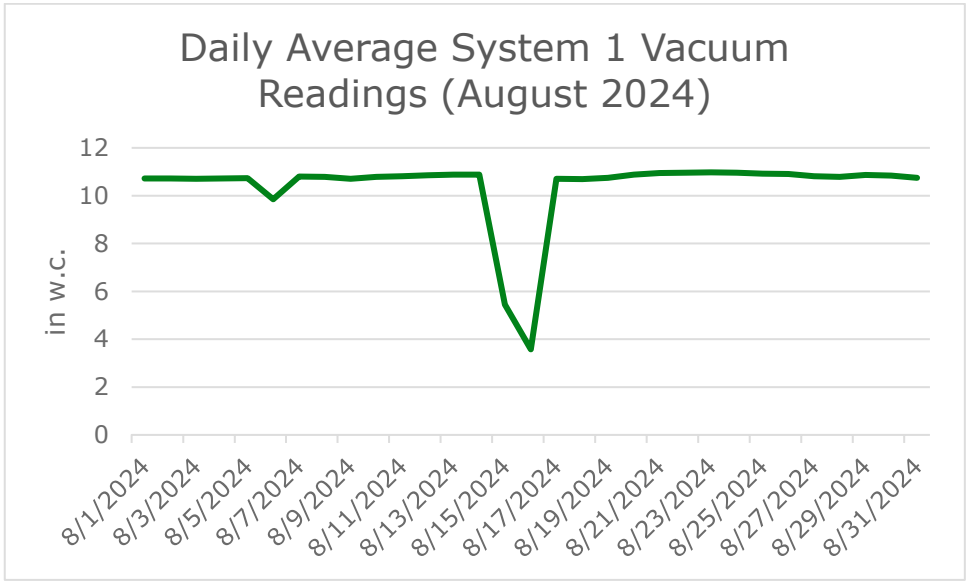

Daily Average Loading Dock 1 Vacuum Readings (January 2025)
in w.c.
3.35
3.30
3.25
3.20
3.15
3.10
3.05
3.00
2.95
2.90
1/1/2025
1/3/2025
1/5/2025
1/7/2025
1/9/2025
1/11/2025
1/13/2025
1/15/2025
1/17/2025
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1/29/2025
1/31/2025

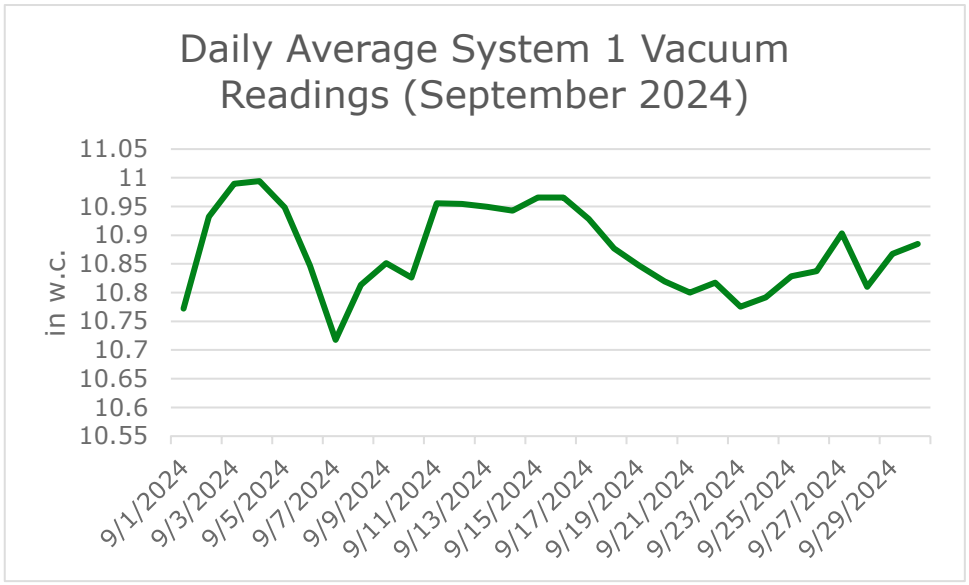

Daily Average Loading Dock 1 Vacuum Readings (February 2025)
in w.c.
3.50
3.00
2.50
2.00
1.50
1.00
0.50
0.00
2/1/2025
2/2/2025
2/3/2025
2/4/2025
2/5/2025
2/6/2025
2/7/2025
2/8/2025
2/9/2025
2/10/2025
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2/16/2025
2/17/2025

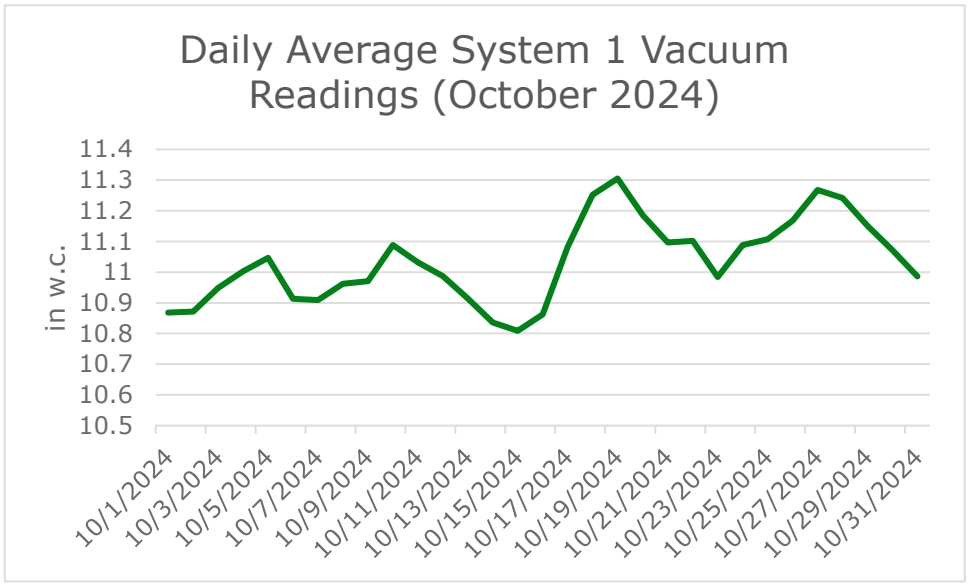

Daily Average System 1 Vacuum Readings (May 2024)
in w.c.
11.1
11
10.9
10.8
10.7
10.6
10.5
10.4
5/1/2024
5/3/2024
5/5/2024
5/7/2024
5/9/2024
5/11/2024
5/13/2024
5/15/2024
5/17/2024
5/19/2024
5/21/2024
5/23/2024
5/25/2024
5/27/2024
5/29/2024
5/31/2024

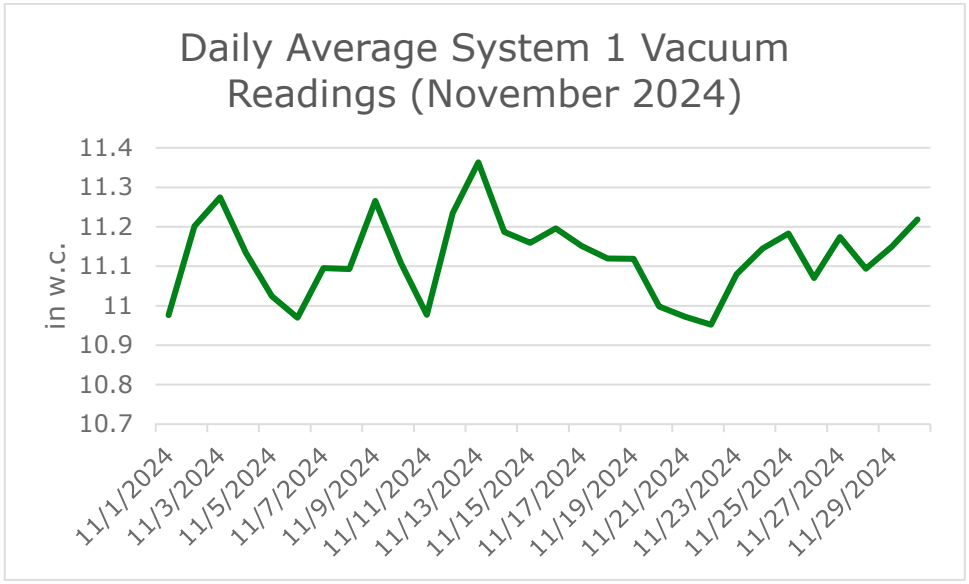

Daily Average System 1 Vacuum Readings (June 2024)
in w.c.
11.1
11
10.9
10.8
10.7
10.6
10.5
10.4
10.3
6/1/2024
6/3/2024
6/5/2024
6/7/2024
6/9/2024
6/11/2024
6/13/2024
6/15/2024
6/17/2024
6/19/2024
6/21/2024
6/23/2024
6/25/2024
6/27/2024
6/29/2024

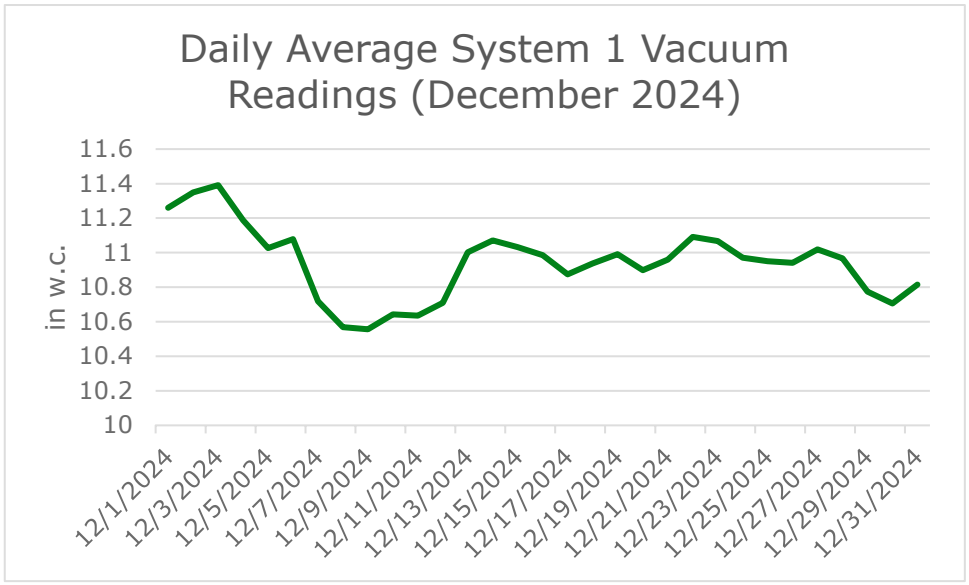

Daily Average System 1 Vacuum Readings (July 2024)
in w.c.
11
10.9
10.8
10.7
10.6
10.5
10.4
10.3
7/1/2024
7/3/2024
7/5/2024
7/7/2024
7/9/2024
7/11/2024
7/13/2024
7/15/2024
7/17/2024
7/19/2024
7/21/2024
7/23/2024
7/25/2024
7/27/2024
7/29/2024
7/31/2024

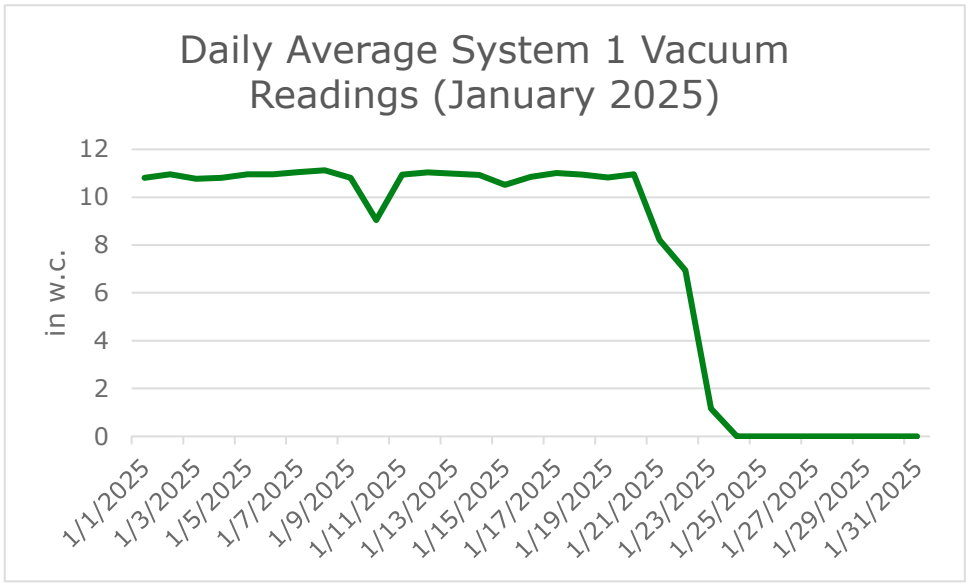

Daily Average System 1 Vacuum Readings (August 2024)
in w.c.
12
10
8
6
4
2
0
8/1/2024
8/3/2024
8/5/2024
8/7/2024
8/9/2024
8/11/2024
8/13/2024
8/15/2024
8/17/2024
8/19/2024
8/21/2024
8/23/2024
8/25/2024
8/27/2024
8/29/2024
8/31/2024

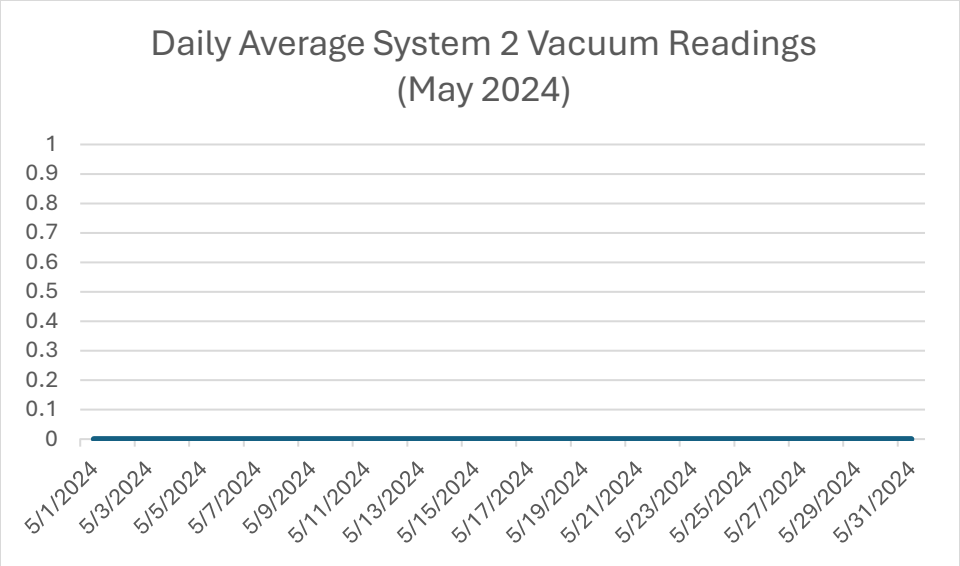

Daily Average System 1 Vacuum Readings (September 2024)
in w.c.
11.05
11
10.95
10.9
10.85
10.8
10.75
10.7
10.65
10.6
10.55
9/1/2024
9/3/2024
9/5/2024
9/7/2024
9/9/2024
9/11/2024
9/13/2024
9/15/2024
9/17/2024
9/19/2024
9/21/2024
9/23/2024
9/25/2024
9/27/2024
9/29/2024

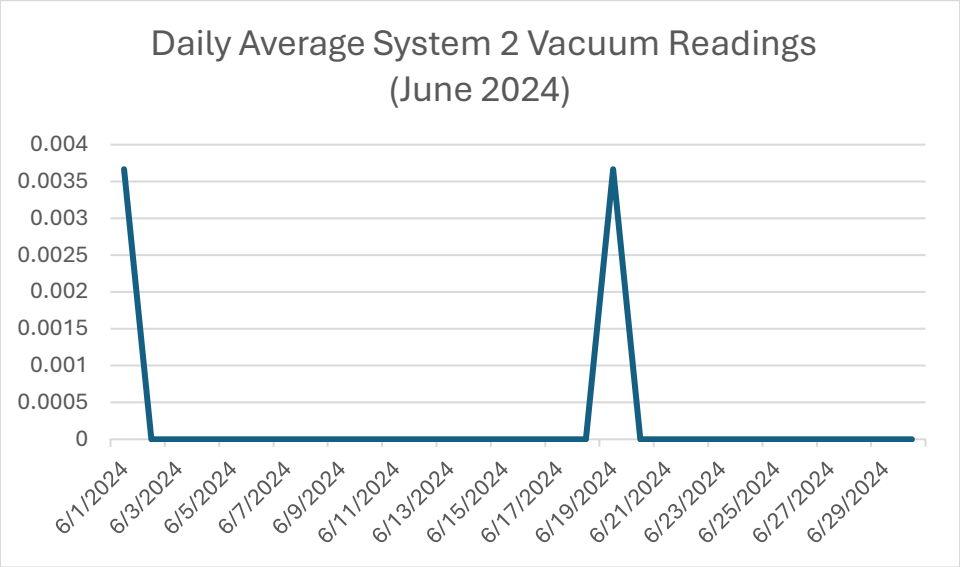

Daily Average System 1 Vacuum Readings (October 2024)
in w.c.
11.4
11.3
11.2
11.1
11
10.9
10.8
10.7
10.6
10.5
10/1/2024
10/3/2024
10/5/2024
10/7/2024
10/9/2024
10/11/2024
10/13/2024
10/15/2024
10/17/2024
10/19/2024
10/21/2024
10/23/2024
10/25/2024
10/27/2024
10/29/2024
10/31/2024

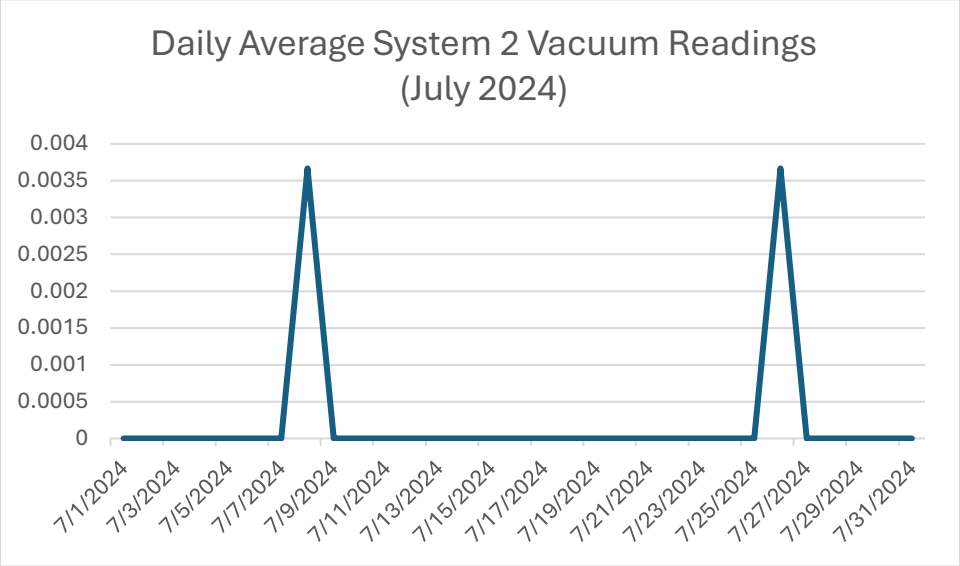

Daily Average System 1 Vacuum Readings (November 2024)
in w.c.
11.4
11.3
11.2
11.1
11
10.9
10.8
10.7
11/1/2024
11/3/2024
11/5/2024
11/7/2024
11/9/2024
11/11/2024
11/13/2024
11/15/2024
11/17/2024
11/19/2024
11/21/2024
11/23/2024
11/25/2024
11/27/2024
11/29/2024

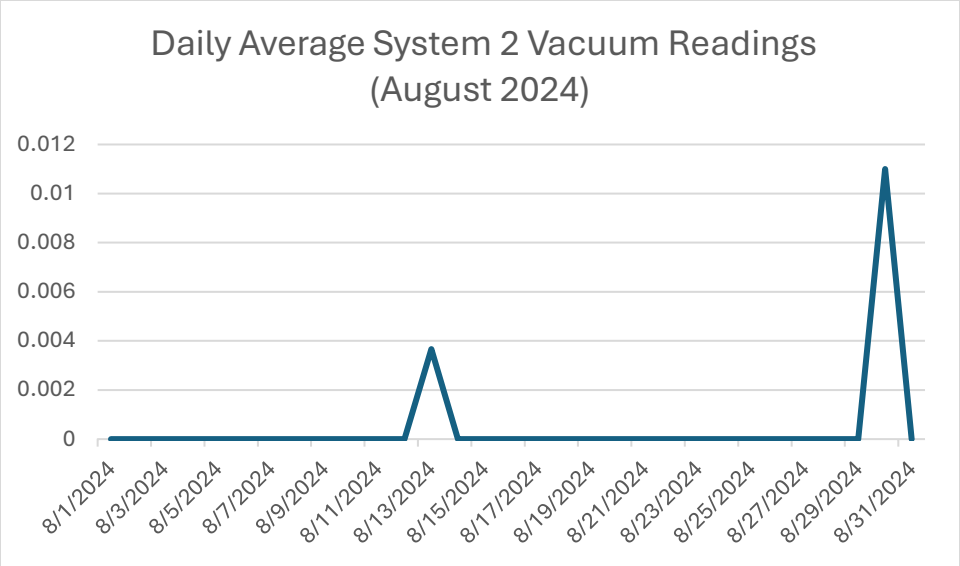

Daily Average System 1 Vacuum Readings (December 2024)
in w.c.
11.6
11.4
11.2
11
10.8
10.6
10.4
10.2
10
12/1/2024
12/3/2024
12/5/2024
12/7/2024
12/9/2024
12/11/2024
12/13/2024
12/15/2024
12/17/2024
12/19/2024
12/21/2024
12/23/2024
12/25/2024
12/27/2024
12/29/2024
12/31/2024

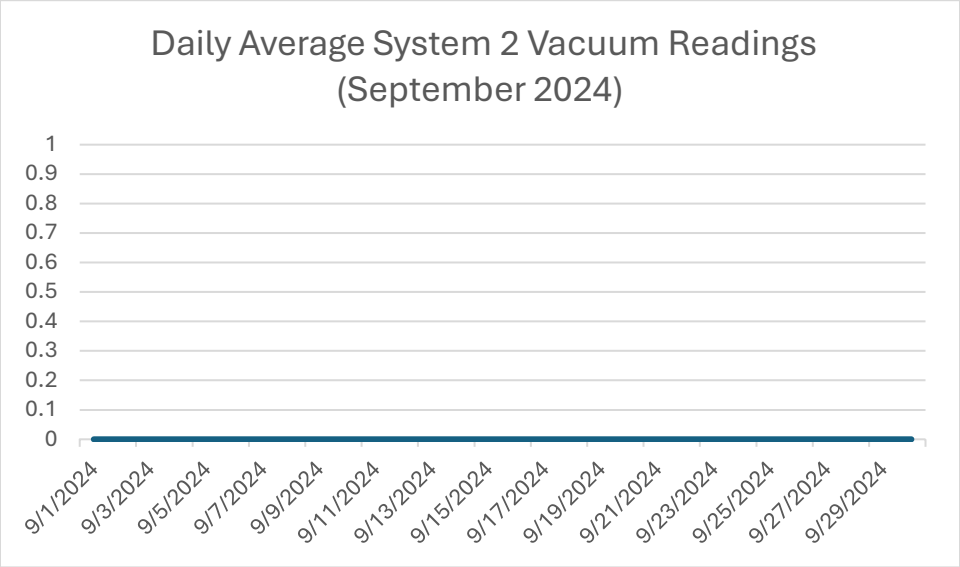

Daily Average System 1 Vacuum Readings (January 2025)
in w.c.
12
10
8
6
4
2
0
1/1/2025
1/3/2025
1/5/2025
1/7/2025
1/9/2025
1/11/2025
1/13/2025
1/15/2025
1/17/2025
1/19/2025
1/21/2025
1/23/2025
1/25/2025
1/27/2025
1/29/2025
1/31/2025

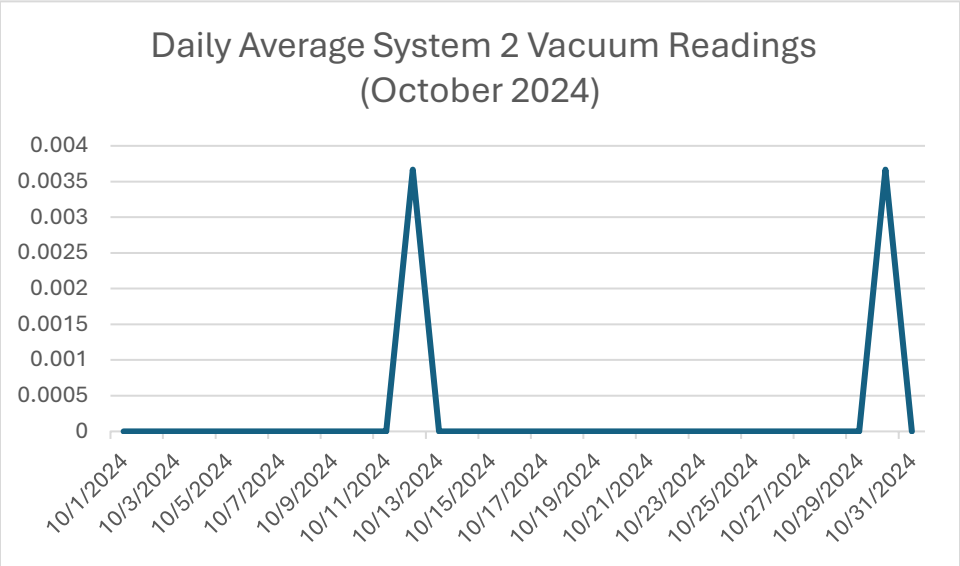

Daily Average System 2 Vacuum Readings
(May 2024)
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5/1/2024
5/3/2024
5/5/2024
5/7/2024
5/9/2024
5/11/2024
5/13/2024
5/15/2024
5/17/2024
5/19/2024
5/21/2024
5/23/2024
5/25/2024
5/27/2024
5/29/2024
5/31/2024

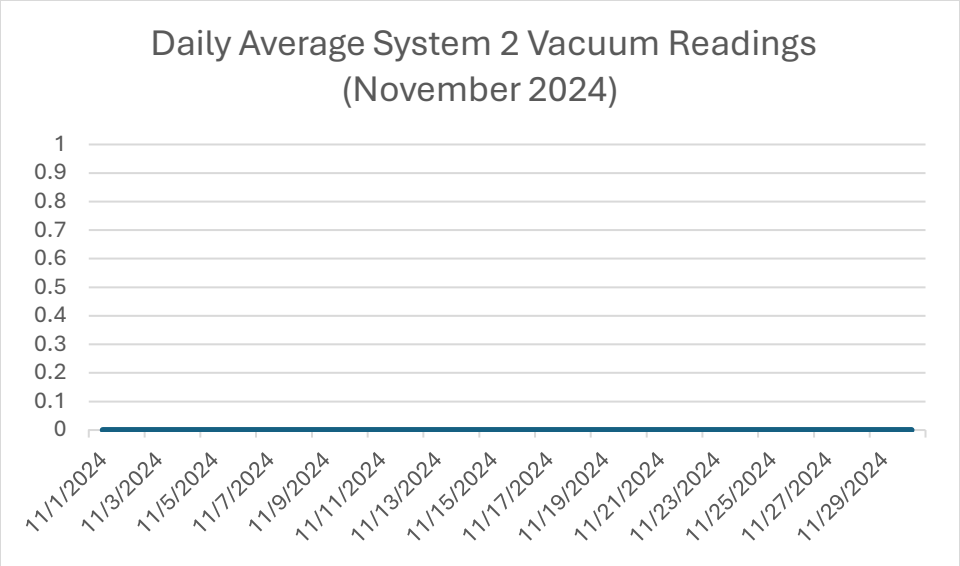

Daily Average System 2 Vacuum Readings
(June 2024)
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
0
6/1/2024
6/3/2024
6/5/2024
6/7/2024
6/9/2024
6/11/2024
6/13/2024
6/15/2024
6/17/2024
6/19/2024
6/21/2024
6/23/2024
6/25/2024
6/27/2024
6/29/2024

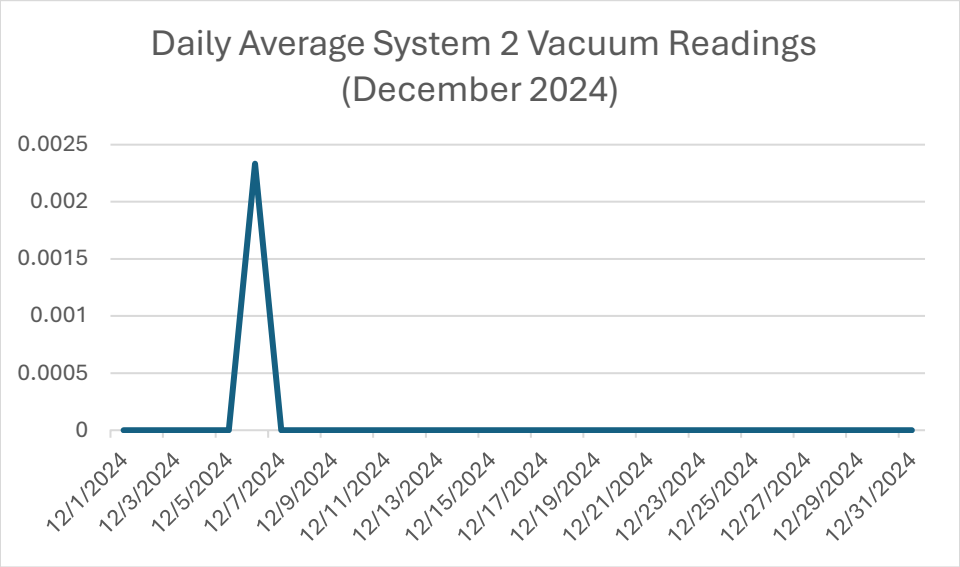

Daily Average System 2 Vacuum Readings
(July 2024)
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
0
7/1/2024
7/3/2024
7/5/2024
7/7/2024
7/9/2024
7/11/2024
7/13/2024
7/15/2024
7/17/2024
7/19/2024
7/21/2024
7/23/2024
7/25/2024
7/27/2024
7/29/2024
7/31/2024

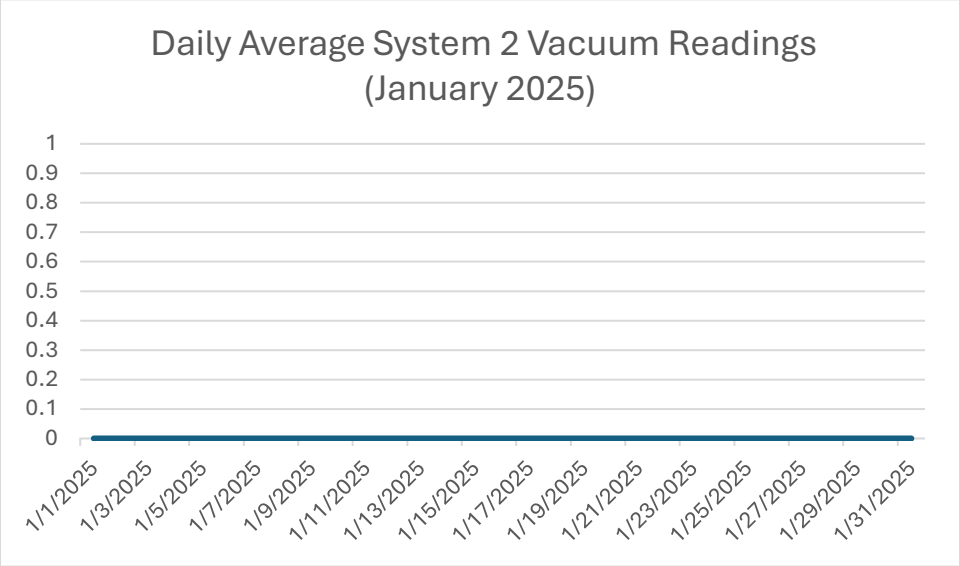

Daily Average System 2 Vacuum Readings
(August 2024)
0.012
0.01
0.008
0.006
0.004
0.002
0
8/1/2024
8/3/2024
8/5/2024
8/7/2024
8/9/2024
8/11/2024
8/13/2024
8/15/2024
8/17/2024
8/19/2024
8/21/2024
8/23/2024
8/25/2024
8/27/2024
8/29/2024
8/31/2024

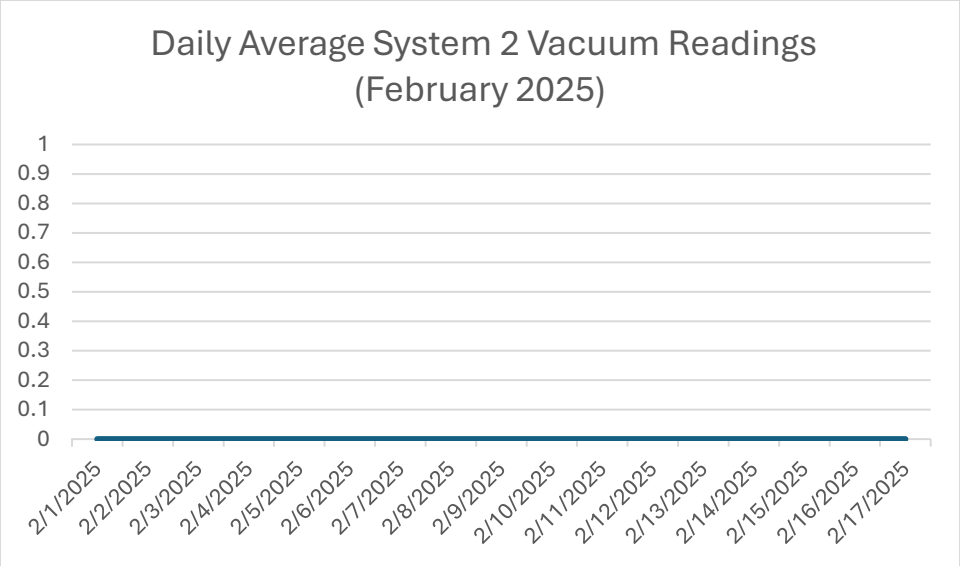

Daily Average System 2 Vacuum Readings
(September 2024)
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
9/1/2024
9/3/2024
9/5/2024
9/7/2024
9/9/2024
9/11/2024
9/13/2024
9/15/2024
9/17/2024
9/19/2024
9/21/2024
9/23/2024
9/25/2024
9/27/2024
9/29/2024

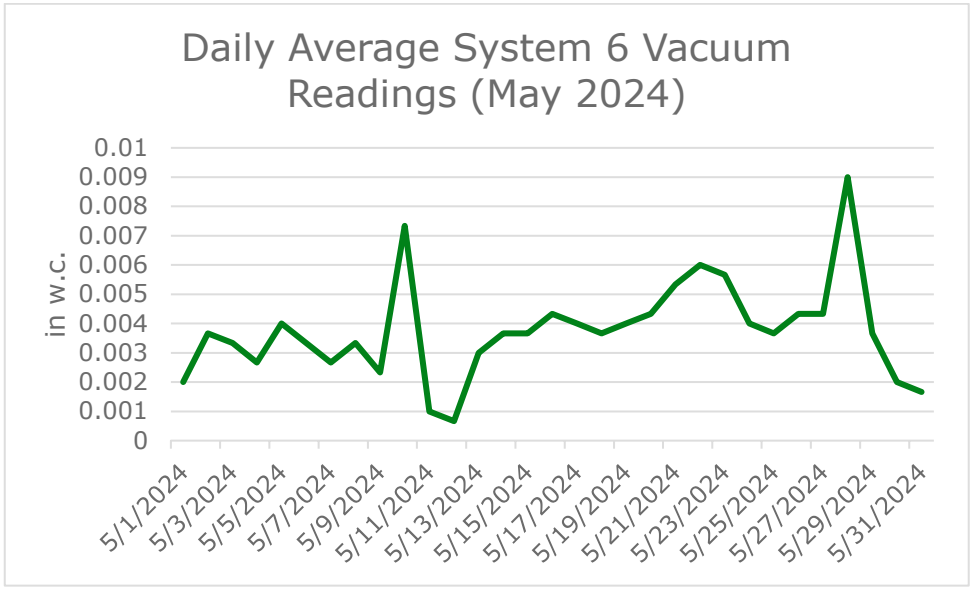

Daily Average System 2 Vacuum Readings
(October 2024)
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
0
10/1/2024
10/3/2024
10/5/2024
10/7/2024
10/9/2024
10/11/2024
10/13/2024
10/15/2024
10/17/2024
10/19/2024
10/21/2024
10/23/2024
10/25/2024
10/27/2024
10/29/2024
10/31/2024

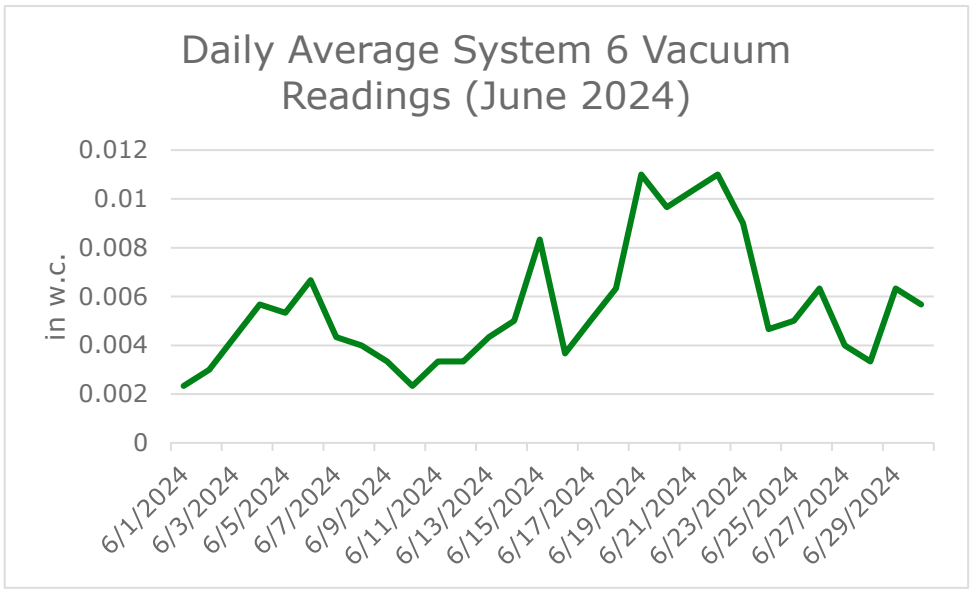

Daily Average System 2 Vacuum Readings
(November 2024)
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
11/1/2024
11/3/2024
11/5/2024
11/7/2024
11/9/2024
11/11/2024
11/13/2024
11/15/2024
11/17/2024
11/19/2024
11/21/2024
11/23/2024
11/25/2024
11/27/2024
11/29/2024

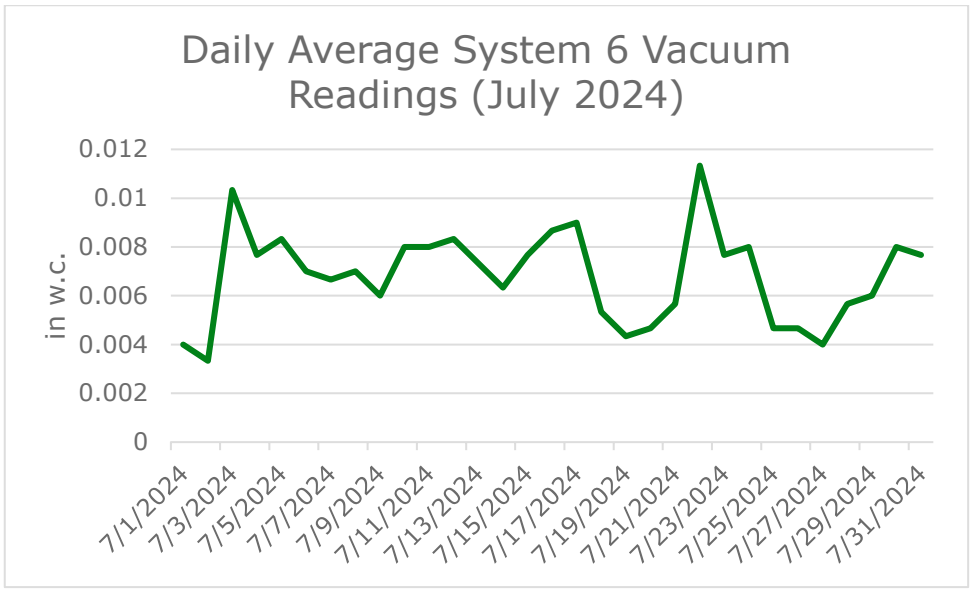

Daily Average System 2 Vacuum Readings
(December 2024)
0.0025
0.002
0.0015
0.001
0.0005
0
12/1/2024
12/3/2024
12/5/2024
12/7/2024
12/9/2024
12/11/2024
12/13/2024
12/15/2024
12/17/2024
12/19/2024
12/21/2024
12/23/2024
12/25/2024
12/27/2024
12/29/2024
12/31/2024

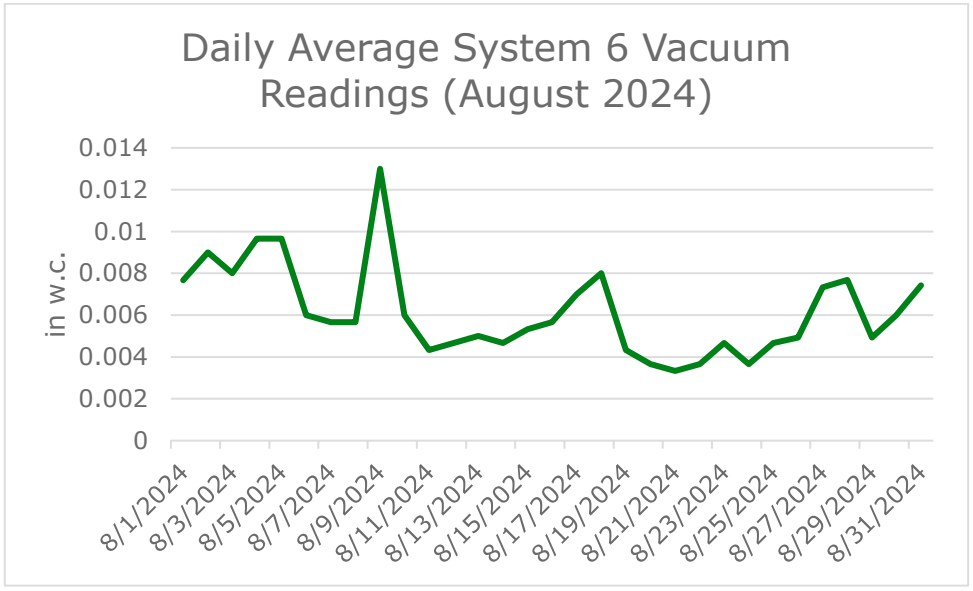

Daily Average System 2 Vacuum Readings
(January 2025)
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
1/1/2025
1/3/2025
1/5/2025
1/7/2025
1/9/2025
1/11/2025
1/13/2025
1/15/2025
1/17/2025
1/19/2025
1/21/2025
1/23/2025
1/25/2025
1/27/2025
1/29/2025
1/31/2025

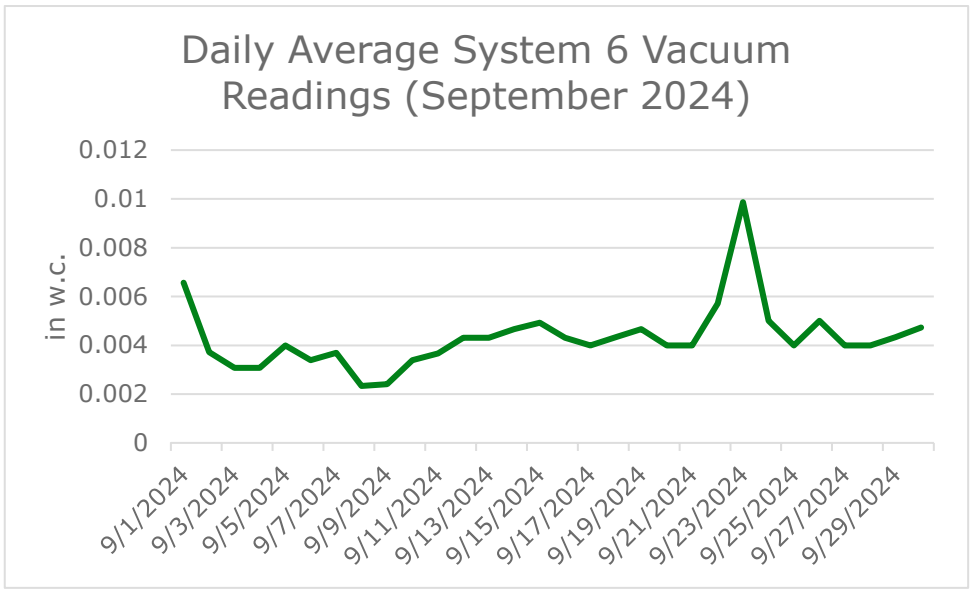

Daily Average System 2 Vacuum Readings
(February 2025)
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
2/1/2025
2/2/2025
2/3/2025
2/4/2025
2/5/2025
2/6/2025
2/7/2025
2/8/2025
2/9/2025
2/10/2025
2/11/2025
2/12/2025
2/13/2025
2/14/2025
2/15/2025
2/16/2025
2/17/2025

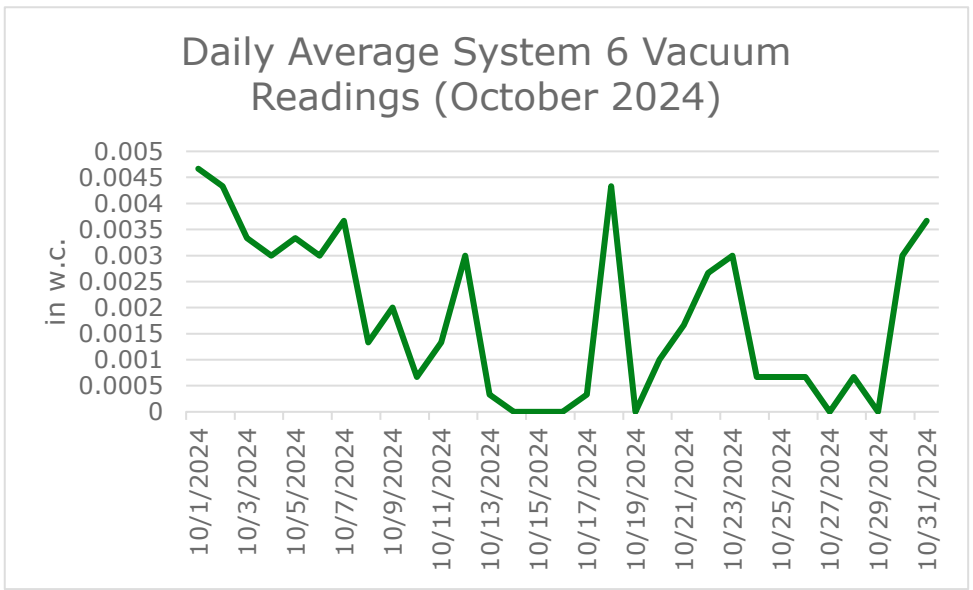

Daily Average System 6 Vacuum Readings (May 2024)
in w.c.
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0
5/1/2024
5/3/2024
5/5/2024
5/7/2024
5/9/2024
5/11/2024
5/13/2024
5/15/2024
5/17/2024
5/19/2024
5/21/2024
5/23/2024
5/25/2024
5/27/2024
5/29/2024
5/31/2024

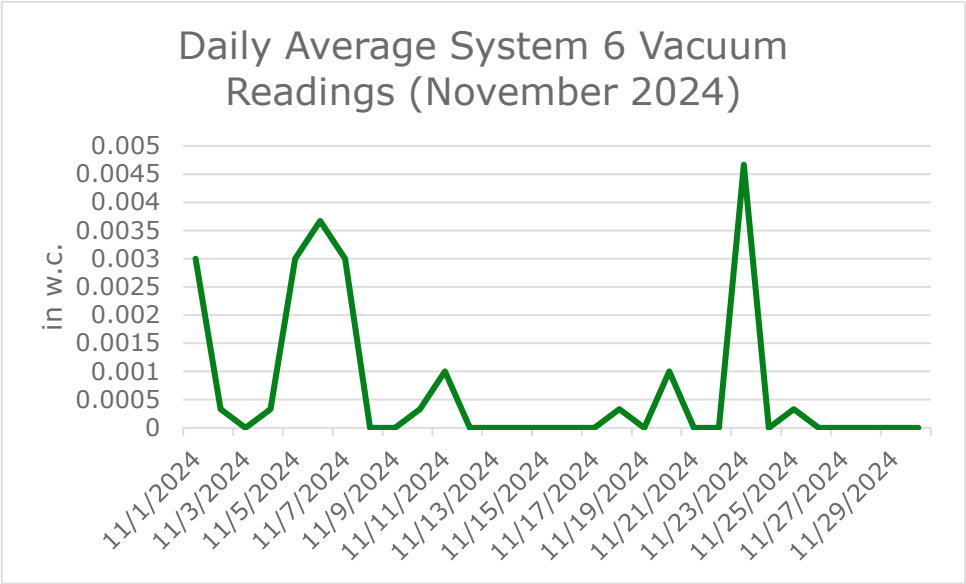

Daily Average System 6 Vacuum Readings (June 2024)
in w.c.
0.012
0.01
0.008
0.006
0.004
0.002
0
6/1/2024
6/3/2024
6/5/2024
6/7/2024
6/9/2024
6/11/2024
6/13/2024
6/15/2024
6/17/2024
6/19/2024
6/21/2024
6/23/2024
6/25/2024
6/27/2024
6/29/2024

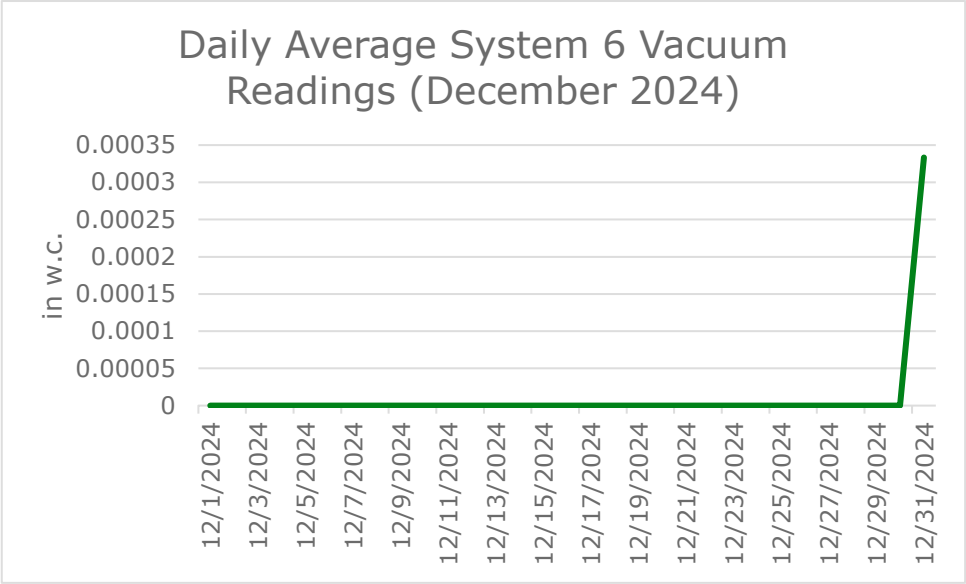

Daily Average System 6 Vacuum Readings (July 2024)
in w.c.
0.012
0.01
0.008
0.006
0.004
0.002
0
7/1/2024
7/3/2024
7/5/2024
7/7/2024
7/9/2024
7/11/2024
7/13/2024
7/15/2024
7/17/2024
7/19/2024
7/21/2024
7/23/2024
7/25/2024
7/27/2024
7/29/2024
7/31/2024


Daily Average System 6 Vacuum Readings (August 2024)
in w.c.
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
8/1/2024
8/3/2024
8/5/2024
8/7/2024
8/9/2024
8/11/2024
8/13/2024
8/15/2024
8/17/2024
8/19/2024
8/21/2024
8/23/2024
8/25/2024
8/27/2024
8/29/2024
8/31/2024


Daily Average System 6 Vacuum Readings (September 2024)
in w.c.
0.012
0.01
0.008
0.006
0.004
0.002
0
9/1/2024
9/3/2024
9/5/2024
9/7/2024
9/9/2024
9/11/2024
9/13/2024
9/15/2024
9/17/2024
9/19/2024
9/21/2024
9/23/2024
9/25/2024
9/27/2024
9/29/2024


Daily Average System 6 Vacuum Readings (October 2024)
in w.c.
0.005
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
0
10/1/2024
10/3/2024
10/5/2024
10/7/2024
10/9/2024
10/11/2024
10/13/2024
10/15/2024
10/17/2024
10/19/2024
10/21/2024
10/23/2024
10/25/2024
10/27/2024
10/29/2024
10/31/2024


Daily Average System 6 Vacuum Readings (November 2024)
in w.c.
0.005
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
0
11/1/2024
11/3/2024
11/5/2024
11/7/2024
11/9/2024
11/11/2024
11/13/2024
11/15/2024
11/17/2024
11/19/2024
11/21/2024
11/23/2024
11/25/2024
11/27/2024
11/29/2024


Daily Average System 6 Vacuum Readings (December 2024)
in w.c.
0.00035
0.0003
0.00025
0.0002
0.00015
0.0001
0.00005
0
12/1/2024
12/3/2024
12/5/2024
12/7/2024
12/9/2024
12/11/2024
12/13/2024
12/15/2024
12/17/2024
12/19/2024
12/21/2024
12/23/2024
12/25/2024
12/27/2024
12/29/2024
12/31/2024

APPENDIX C OM&M INSPECTION FORMS

Site Management Plan
Groundwater Pumping System Inspection Log and SamplingSheet
Leica, Inc. Site
Permit No. 07-01-CH014

Date: 5/17/2024 Time: 11:25

Checked by: A. Baker

Totalizer Reading: 1122869.0

Previous Totalizer Reading: 973132.1 Date 2/14/2024

Time: 11:25

Pump MW-11A Operational: **Yes X** or **No** If No provide reason:

Notes: None

Sample Point: MW-11A

Sample ID: SAN-Effluent-05172024

Sample Date and Time: 5/17/2024, 13:30

Laboratory Name: Test America/ Eurofins

Analyses for Chain of Custody:

- •TPH 1664
- •EPA 624
- •EPA 625
- •pH

Sampler Name: A. Baker

APPENDIX D QUARTERLY DISCHARGE MONITORING REPORTS AND FLOWMETER DOCUMENTATION

ERM

5784 Widewaters Parkway
Syracuse, NY, 13203

T 3153172044
F 3152333043

erm.com

Buffalo Sewer Authority
Mike Szilagyi, Investigator
90 West Ferry Street
Buffalo, NY 14213

DATE
14 January 2025

SUBJECT
Letter of No Discharge

REFERENCE
Permit No. 23-02-CH014

Dear Mike Szilagyi,

There has been NO DISCHARGE on Permit No. 23-02-CH014 at the Former Leica, Inc. Facility between the period of June 5th, 2024, to December 31st, 2024. We will notify you if and when discharge resumes. Otherwise, we will send the required "NO DISCHARGE" notification for each 6-month period.

Sincerely,

Tim Daniluk, P.G.
Project Manager

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5 September 2024

Mr. Patrick Bowen, P.E.
Town Engineer
275 Alexander Avenue
Cheektowaga, New York, 14211

Subject: Quarterly Discharge Report, Q2 2024
Leica, Inc. 203 Eggert Road,
Cheektowaga, NY
Permit No. 23-02-CH014

Dear Mr. Bowen,

The Q2 2024 grab sample from the groundwater recovery system was collected on 17 May 2024. Sample SAN-EFFLUENT-05172024 was analyzed for pH, Total Extractable Hydrocarbons, VOCs, and SVOCs. All compounds were below the discharge limits specified in the permit.

A summary of totalizer readings for Q2 2024 is provided herein. As shown in the attached table, the average daily flow has been below the discharge limit of 18,000 gallons per day for the duration of the monitoring period.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

If you have any questions, you can reach me at 315-233-3043.

Sincerely,

Tim Daniluk
Project Manager

cc:
Vince Guiliani (Danaher Corporation, on behalf of Leica, Inc.)
Mike Szilagyi (BSA)

enclosures:
1. Laboratory Analytical Results – May 2024
2. Discharge Summary
3. Permit No. 23-02-CH014
4. Totalizer and sensor calibration certification – November 2022

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Tim Daniluk
ERM-Northeast
5784 Widewaters Pkwy
Dewitt, New York 13214

Generated 5/28/2024 11:23:01 AM

JOB DESCRIPTION

Quarterly Sanitary
Quarterly Sanitary Effluent

JOB NUMBER

480-220014-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



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Definitions/Glossary

Client: ERM-Northeast
Job ID: 480-220014-1
Project/Site: Quarterly Sanitary

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.

General Chemistry

Qualifier	Qualifier Description
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
480-220014-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 5/17/2024 3:00 PM. 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 5.0°C.

GC/MS VOA
Method 624.1_PREC: The surrogate recovery for the blank associated with analytical batch 480-712574 was outside the upper control limits.

Method 624.1_PREC: Surrogate recovery for the following sample was outside control limits: TRIP BLANK-05172024 (480-220014-2). Evidence of matrix interferences is not obvious.

Method 624.1_PREC: The results reported for the following sample do not concur with results previously reported for this site: TRIP BLANK-05172024 (480-220014-2). Reanalysis was performed, and the result(s) confirmed.

Method 624.1_PREC: The following sample was diluted to bring the concentration of target analytes within the calibration range: SAN EFFLUENT-05172024 (480-220014-1). Elevated reporting limits (RLs) are provided.

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

GC/MS Semi VOA
Method 625.1_PREC: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-712874.

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

General Chemistry
Method 1664B: Analysis for Hexane Extractable Material (HEM) was performed for the following samples: SAN EFFLUENT-05172024 (480-220014-1) and (480-220035-A-1-A). Since the HEM result(s) was below the reporting limit (RL), the result(s) for Silica Gel Treated - Hexane Extractable Material (SGT-HEM) was reported as a non-detect. All HEM quality control criteria were met.

Method 9040C: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following sample has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: SAN EFFLUENT-05172024 (480-220014-1).

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

Detection Summary

Client: ERM-Northeast
Project/Site: Quarterly Sanitary

Job ID: 480-220014-1

Client Sample ID: SAN EFFLUENT-05172024 — Lab Sample ID: 480-220014-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethene, Total	360		50	16	ug/L	5		624.1	Total/NA
Vinyl chloride	150		25	3.7	ug/L	5		624.1	Total/NA
pH	7.23	HF	0.100	0.100	SU	1		9040C	Total/NA
Temperature	20.9	HF	0.00100	0.00100	Degrees C	1		9040C	Total/NA

Client Sample ID: TRIP BLANK-05172024 — Lab Sample ID: 480-220014-2

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample ID: SAN EFFLUENT-05172024

Lab Sample ID: 480-220014-1

Date Collected: 05/17/24 13:30

Matrix: Wastewater

Date Received: 05/17/24 15:00

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		25	1.9	ug/L			05/19/24 14:40	5
1,1,2,2-Tetrachloroethane	ND		25	1.3	ug/L			05/19/24 14:40	5
1,1,2-Trichloroethane	ND		25	2.4	ug/L			05/19/24 14:40	5
1,1-Dichloroethane	ND		25	2.9	ug/L			05/19/24 14:40	5
1,1-Dichloroethene	ND		25	4.3	ug/L			05/19/24 14:40	5
1,2-Dichlorobenzene	ND		25	2.2	ug/L			05/19/24 14:40	5
1,2-Dichloroethane	ND		25	3.0	ug/L			05/19/24 14:40	5
1,2-Dichloroethene, Total	**360**		50	16	ug/L			05/19/24 14:40	5
1,2-Dichloropropane	ND		25	3.1	ug/L			05/19/24 14:40	5
1,3-Dichlorobenzene	ND		25	2.7	ug/L			05/19/24 14:40	5
1,4-Dichlorobenzene	ND		25	2.5	ug/L			05/19/24 14:40	5
2-Chloroethyl vinyl ether	ND		130	9.3	ug/L			05/19/24 14:40	5
Acrolein	ND		500	87	ug/L			05/19/24 14:40	5
Acrylonitrile	ND		250	9.5	ug/L			05/19/24 14:40	5
Benzene	ND		25	3.0	ug/L			05/19/24 14:40	5
Bromoform	ND		25	2.3	ug/L			05/19/24 14:40	5
Bromomethane	ND		25	6.0	ug/L			05/19/24 14:40	5
Carbon tetrachloride	ND		25	2.6	ug/L			05/19/24 14:40	5
Chlorobenzene	ND		25	2.4	ug/L			05/19/24 14:40	5
Chlorodibromomethane	ND		25	2.1	ug/L			05/19/24 14:40	5
Chloroethane	ND		25	4.4	ug/L			05/19/24 14:40	5
Chloroform	ND		25	2.7	ug/L			05/19/24 14:40	5
Chloromethane	ND		25	3.2	ug/L			05/19/24 14:40	5
cis-1,3-Dichloropropene	ND		25	1.7	ug/L			05/19/24 14:40	5
Dichlorobromomethane	ND		25	2.7	ug/L			05/19/24 14:40	5
Ethylbenzene	ND		25	2.3	ug/L			05/19/24 14:40	5
Methylene Chloride	ND		25	4.1	ug/L			05/19/24 14:40	5
Tetrachloroethene	ND		25	1.7	ug/L			05/19/24 14:40	5
Toluene	ND		25	2.3	ug/L			05/19/24 14:40	5
trans-1,2-Dichloroethene	ND		25	2.9	ug/L			05/19/24 14:40	5
trans-1,3-Dichloropropene	ND		25	2.2	ug/L			05/19/24 14:40	5
Trichloroethene	ND		25	3.0	ug/L			05/19/24 14:40	5
Vinyl chloride	**150**		25	3.7	ug/L			05/19/24 14:40	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*68 - 130*		*05/19/24 14:40*	*5*
4-Bromofluorobenzene (Surr)	*106*		*76 - 123*		*05/19/24 14:40*	*5*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*05/19/24 14:40*	*5*
Toluene-d8 (Surr)	*99*		*77 - 120*		*05/19/24 14:40*	*5*

Method: EPA 625.1 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		10	0.82	ug/L		05/21/24 13:54	05/22/24 16:37	1
1,2-Dichlorobenzene	ND		10	1.0	ug/L		05/21/24 13:54	05/22/24 16:37	1
1,2-Diphenylhydrazine	ND		10	0.78	ug/L		05/21/24 13:54	05/22/24 16:37	1
1,3-Dichlorobenzene	ND		10	0.69	ug/L		05/21/24 13:54	05/22/24 16:37	1
1,4-Dichlorobenzene	ND		10	0.82	ug/L		05/21/24 13:54	05/22/24 16:37	1
2,2'-oxybis[1-chloropropane]	ND		5.0	0.84	ug/L		05/21/24 13:54	05/22/24 16:37	1
2,4,6-Trichlorophenol	ND		5.0	1.0	ug/L		05/21/24 13:54	05/22/24 16:37	1
2,4-Dichlorophenol	ND		5.0	0.77	ug/L		05/21/24 13:54	05/22/24 16:37	1

Client: ERM-Northeast
Project/Site: Quarterly Sanitary

Job ID: 480-220014-1

Client Sample ID: SAN EFFLUENT-05172024
Date Collected: 05/17/24 13:30
Date Received: 05/17/24 15:00

Lab Sample ID: 480-220014-1
Matrix: Wastewater

Method: EPA 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND		5.0	1.4	ug/L		05/21/24 13:54	05/22/24 16:37	1
2,4-Dinitrophenol	ND		10	5.0	ug/L		05/21/24 13:54	05/22/24 16:37	1
2,4-Dinitrotoluene	ND		10	1.6	ug/L		05/21/24 13:54	05/22/24 16:37	1
2,6-Dinitrotoluene	ND		5.0	1.0	ug/L		05/21/24 13:54	05/22/24 16:37	1
2-Chloronaphthalene	ND		5.0	0.91	ug/L		05/21/24 13:54	05/22/24 16:37	1
2-Chlorophenol	ND		5.0	0.66	ug/L		05/21/24 13:54	05/22/24 16:37	1
2-Nitrophenol	ND		5.0	0.70	ug/L		05/21/24 13:54	05/22/24 16:37	1
3,3'-Dichlorobenzidine	ND		5.0	1.6	ug/L		05/21/24 13:54	05/22/24 16:37	1
4,6-Dinitro-2-methylphenol	ND		10	1.8	ug/L		05/21/24 13:54	05/22/24 16:37	1
4-Bromophenyl phenyl ether	ND		5.0	1.4	ug/L		05/21/24 13:54	05/22/24 16:37	1
4-Chloro-3-methylphenol	ND		5.0	1.1	ug/L		05/21/24 13:54	05/22/24 16:37	1
4-Chlorophenyl phenyl ether	ND		5.0	1.3	ug/L		05/21/24 13:54	05/22/24 16:37	1
4-Nitrophenol	ND		15	1.9	ug/L		05/21/24 13:54	05/22/24 16:37	1
Acenaphthene	ND		5.0	0.81	ug/L		05/21/24 13:54	05/22/24 16:37	1
Acenaphthylene	ND		5.0	0.87	ug/L		05/21/24 13:54	05/22/24 16:37	1
Anthracene	ND		5.0	1.4	ug/L		05/21/24 13:54	05/22/24 16:37	1
Benzidine	ND		80	54	ug/L		05/21/24 13:54	05/22/24 16:37	1
Benzo[a]anthracene	ND		5.0	1.1	ug/L		05/21/24 13:54	05/22/24 16:37	1
Benzo[a]pyrene	ND		5.0	1.3	ug/L		05/21/24 13:54	05/22/24 16:37	1
Benzo[b]fluoranthene	ND		5.0	1.2	ug/L		05/21/24 13:54	05/22/24 16:37	1
Benzo[g,h,i]perylene	ND		5.0	1.5	ug/L		05/21/24 13:54	05/22/24 16:37	1
Benzo[k]fluoranthene	ND		5.0	1.3	ug/L		05/21/24 13:54	05/22/24 16:37	1
Bis(2-chloroethoxy)methane	ND		5.0	0.75	ug/L		05/21/24 13:54	05/22/24 16:37	1
Bis(2-chloroethyl)ether	ND		5.0	0.93	ug/L		05/21/24 13:54	05/22/24 16:37	1
Bis(2-ethylhexyl) phthalate	ND		10	1.2	ug/L		05/21/24 13:54	05/22/24 16:37	1
Butyl benzyl phthalate	ND		5.0	1.1	ug/L		05/21/24 13:54	05/22/24 16:37	1
Chrysene	ND		5.0	1.0	ug/L		05/21/24 13:54	05/22/24 16:37	1
Dibenz(a,h)anthracene	ND		5.0	1.5	ug/L		05/21/24 13:54	05/22/24 16:37	1
Diethyl phthalate	ND		5.0	1.0	ug/L		05/21/24 13:54	05/22/24 16:37	1
Dimethyl phthalate	ND		5.0	0.91	ug/L		05/21/24 13:54	05/22/24 16:37	1
Di-n-butyl phthalate	ND		5.0	1.6	ug/L		05/21/24 13:54	05/22/24 16:37	1
Di-n-octyl phthalate	ND		5.0	1.2	ug/L		05/21/24 13:54	05/22/24 16:37	1
Fluoranthene	ND		5.0	1.6	ug/L		05/21/24 13:54	05/22/24 16:37	1
Fluorene	ND		5.0	1.0	ug/L		05/21/24 13:54	05/22/24 16:37	1
Hexachlorobenzene	ND		5.0	1.0	ug/L		05/21/24 13:54	05/22/24 16:37	1
Hexachlorobutadiene	ND		5.0	1.0	ug/L		05/21/24 13:54	05/22/24 16:37	1
Hexachlorocyclopentadiene	ND		10	2.1	ug/L		05/21/24 13:54	05/22/24 16:37	1
Hexachloroethane	ND		5.0	0.60	ug/L		05/21/24 13:54	05/22/24 16:37	1
Indeno[1,2,3-cd]pyrene	ND		5.0	1.5	ug/L		05/21/24 13:54	05/22/24 16:37	1
Isophorone	ND		5.0	0.74	ug/L		05/21/24 13:54	05/22/24 16:37	1
Naphthalene	ND		5.0	0.86	ug/L		05/21/24 13:54	05/22/24 16:37	1
Nitrobenzene	ND		5.0	0.81	ug/L		05/21/24 13:54	05/22/24 16:37	1
N-Nitrosodimethylamine	ND		10	0.57	ug/L		05/21/24 13:54	05/22/24 16:37	1
N-Nitrosodi-n-propylamine	ND		5.0	0.89	ug/L		05/21/24 13:54	05/22/24 16:37	1
N-Nitrosodiphenylamine	ND		5.0	0.82	ug/L		05/21/24 13:54	05/22/24 16:37	1
Pentachlorophenol	ND		10	3.2	ug/L		05/21/24 13:54	05/22/24 16:37	1
Phenanthrene	ND		5.0	1.2	ug/L		05/21/24 13:54	05/22/24 16:37	1
Phenol	ND		5.0	0.35	ug/L		05/21/24 13:54	05/22/24 16:37	1
Pyrene	ND		5.0	1.4	ug/L		05/21/24 13:54	05/22/24 16:37	1

Client: ERM-Northeast
Project/Site: Quarterly Sanitary

Job ID: 480-220014-1

Client Sample ID: SAN EFFLUENT-05172024
Date Collected: 05/17/24 13:30
Date Received: 05/17/24 15:00

Lab Sample ID: 480-220014-1
Matrix: Wastewater

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*98*		*52 - 151*	*05/21/24 13:54*	*05/22/24 16:37*	*1*
2-Fluorobiphenyl (Surr)	*83*		*44 - 120*	*05/21/24 13:54*	*05/22/24 16:37*	*1*
2-Fluorophenol (Surr)	*58*		*17 - 120*	*05/21/24 13:54*	*05/22/24 16:37*	*1*
Nitrobenzene-d5 (Surr)	*71*		*15 - 314*	*05/21/24 13:54*	*05/22/24 16:37*	*1*
Phenol-d5 (Surr)	*44*		*8 - 424*	*05/21/24 13:54*	*05/22/24 16:37*	*1*
p-Terphenyl-d14 (Surr)	*74*		*22 - 125*	*05/21/24 13:54*	*05/22/24 16:37*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease (1664B)	ND		4.9	1.4	mg/L		05/21/24 07:32	05/21/24 07:37	1
SGT-HEM (1664B)	ND		4.9	1.9	mg/L		05/21/24 07:32	05/21/24 07:37	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9040C)	**7.23**	**HF**	0.100	0.100	SU			05/24/24 16:32	1
Temperature (SW846 9040C)	**20.9**	**HF**	0.00100	0.00100	Degrees C			05/24/24 16:32	1

Client: ERM-Northeast
Project/Site: Quarterly Sanitary

Job ID: 480-220014-1

Client Sample ID: TRIP BLANK-05172024
Date Collected: 05/17/24 13:30
Date Received: 05/17/24 15:00

Lab Sample ID: 480-220014-2
Matrix: WQ

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			05/19/24 15:40	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			05/19/24 15:40	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			05/19/24 15:40	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			05/19/24 15:40	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			05/19/24 15:40	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			05/19/24 15:40	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			05/19/24 15:40	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			05/19/24 15:40	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			05/19/24 15:40	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			05/19/24 15:40	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			05/19/24 15:40	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			05/19/24 15:40	1
Acrolein	ND		100	17	ug/L			05/19/24 15:40	1
Acrylonitrile	ND		50	1.9	ug/L			05/19/24 15:40	1
Benzene	ND		5.0	0.60	ug/L			05/19/24 15:40	1
Bromoform	ND		5.0	0.47	ug/L			05/19/24 15:40	1
Bromomethane	ND		5.0	1.2	ug/L			05/19/24 15:40	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			05/19/24 15:40	1
Chlorobenzene	ND		5.0	0.48	ug/L			05/19/24 15:40	1
Chlorodibromomethane	ND		5.0	0.41	ug/L			05/19/24 15:40	1
Chloroethane	ND		5.0	0.87	ug/L			05/19/24 15:40	1
Chloroform	ND		5.0	0.54	ug/L			05/19/24 15:40	1
Chloromethane	ND		5.0	0.64	ug/L			05/19/24 15:40	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			05/19/24 15:40	1
Dichlorobromomethane	ND		5.0	0.54	ug/L			05/19/24 15:40	1
Ethylbenzene	ND		5.0	0.46	ug/L			05/19/24 15:40	1
Methylene Chloride	ND		5.0	0.81	ug/L			05/19/24 15:40	1
Tetrachloroethene	ND		5.0	0.34	ug/L			05/19/24 15:40	1
Toluene	ND		5.0	0.45	ug/L			05/19/24 15:40	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			05/19/24 15:40	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			05/19/24 15:40	1
Trichloroethene	ND		5.0	0.60	ug/L			05/19/24 15:40	1
Vinyl chloride	ND		5.0	0.75	ug/L			05/19/24 15:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*68 - 130*		*05/19/24 15:40*	*1*
4-Bromofluorobenzene (Surr)	*72*	*S1-*	*76 - 123*		*05/19/24 15:40*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*05/19/24 15:40*	*1*
Toluene-d8 (Surr)	*94*		*77 - 120*		*05/19/24 15:40*	*1*

Surrogate Summary

Client: ERM-Northeast
Project/Site: Quarterly Sanitary

Job ID: 480-220014-1

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Matrix: Wastewater — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		DCA	BFB	DBFM	TOL				
Lab Sample ID	Client Sample ID	(68-130)	(76-123)	(75-123)	(77-120)				
480-220014-1	SAN EFFLUENT-05172024	95	106	102	99				

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		DCA	BFB	DBFM	TOL				
Lab Sample ID	Client Sample ID	(68-130)	(76-123)	(75-123)	(77-120)				
LCS 480-712574/6	Lab Control Sample	91	99	100	95				
MB 480-712574/8	Method Blank	93	109	99	127 S1+				

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Matrix: WQ — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		DCA	BFB	DBFM	TOL				
Lab Sample ID	Client Sample ID	(68-130)	(76-123)	(75-123)	(77-120)				
480-220014-2	TRIP BLANK-05172024	95	72 S1-	97	94				

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 625.1 - Semivolatile Organic Compounds (GC/MS)

Matrix: Wastewater — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		TBP	FBP	2FP	NBZ	PHL	TPHd14		
Lab Sample ID	Client Sample ID	(52-151)	(44-120)	(17-120)	(15-314)	(8-424)	(22-125)		
480-220014-1	SAN EFFLUENT-05172024	98	83	58	71	44	74		

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

Surrogate Summary

Client: ERM-Northeast
Job ID: 480-220014-1
Project/Site: Quarterly Sanitary

Method: 625.1 - Semivolatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		TBP	FBP	2FP	NBZ	PHL	TPHd14		
Lab Sample ID	Client Sample ID	(52-151)	(44-120)	(17-120)	(15-314)	(8-424)	(22-125)		
LCS 480-712874/2-A	Lab Control Sample	104	95	71	86	57	98		
LCSD 480-712874/3-A	Lab Control Sample Dup	108	94	69	87	56	102		
MB 480-712874/1-A	Method Blank	91	94	66	79	50	95		

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-712574/8
Matrix: Water
Analysis Batch: 712574

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		5.0	0.39	ug/L			05/19/24 12:48	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			05/19/24 12:48	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			05/19/24 12:48	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			05/19/24 12:48	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			05/19/24 12:48	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			05/19/24 12:48	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			05/19/24 12:48	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			05/19/24 12:48	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			05/19/24 12:48	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			05/19/24 12:48	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			05/19/24 12:48	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			05/19/24 12:48	1
Acrolein	ND		100	17	ug/L			05/19/24 12:48	1
Acrylonitrile	ND		50	1.9	ug/L			05/19/24 12:48	1
Benzene	ND		5.0	0.60	ug/L			05/19/24 12:48	1
Bromoform	ND		5.0	0.47	ug/L			05/19/24 12:48	1
Bromomethane	ND		5.0	1.2	ug/L			05/19/24 12:48	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			05/19/24 12:48	1
Chlorobenzene	ND		5.0	0.48	ug/L			05/19/24 12:48	1
Chlorodibromomethane	ND		5.0	0.41	ug/L			05/19/24 12:48	1
Chloroethane	ND		5.0	0.87	ug/L			05/19/24 12:48	1
Chloroform	ND		5.0	0.54	ug/L			05/19/24 12:48	1
Chloromethane	ND		5.0	0.64	ug/L			05/19/24 12:48	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			05/19/24 12:48	1
Dichlorobromomethane	ND		5.0	0.54	ug/L			05/19/24 12:48	1
Ethylbenzene	ND		5.0	0.46	ug/L			05/19/24 12:48	1
Methylene Chloride	ND		5.0	0.81	ug/L			05/19/24 12:48	1
Tetrachloroethene	ND		5.0	0.34	ug/L			05/19/24 12:48	1
Toluene	ND		5.0	0.45	ug/L			05/19/24 12:48	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			05/19/24 12:48	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			05/19/24 12:48	1
Trichloroethene	ND		5.0	0.60	ug/L			05/19/24 12:48	1
Vinyl chloride	ND		5.0	0.75	ug/L			05/19/24 12:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*68 - 130*		*05/19/24 12:48*	*1*
4-Bromofluorobenzene (Surr)	*109*		*76 - 123*		*05/19/24 12:48*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*05/19/24 12:48*	*1*
Toluene-d8 (Surr)	*127*	*S1+*	*77 - 120*		*05/19/24 12:48*	*1*

Lab Sample ID: LCS 480-712574/6
Matrix: Water
Analysis Batch: 712574

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	20.0	18.7		ug/L		93	52 - 162
1,1,2,2-Tetrachloroethane	20.0	14.4		ug/L		72	46 - 157
1,1,2-Trichloroethane	20.0	19.8		ug/L		99	52 - 150

Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-712574/6
Matrix: Water
Analysis Batch: 712574

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethane	20.0	19.9		ug/L		99	59 - 155
1,1-Dichloroethene	20.0	21.2		ug/L		106	1 - 234
1,2-Dichlorobenzene	20.0	19.4		ug/L		97	18 - 190
1,2-Dichloroethane	20.0	18.7		ug/L		93	49 - 155
1,2-Dichloropropane	20.0	20.5		ug/L		102	1 - 210
1,3-Dichlorobenzene	20.0	20.1		ug/L		100	59 - 156
1,4-Dichlorobenzene	20.0	20.2		ug/L		101	18 - 190
2-Chloroethyl vinyl ether	20.0	16.7	J	ug/L		84	1 - 305
Benzene	20.0	20.6		ug/L		103	37 - 151
Bromoform	20.0	20.0		ug/L		100	45 - 169
Bromomethane	20.0	16.5		ug/L		83	1 - 242
Carbon tetrachloride	20.0	18.6		ug/L		93	70 - 140
Chlorobenzene	20.0	20.3		ug/L		102	37 - 160
Chlorodibromomethane	20.0	19.5		ug/L		98	53 - 149
Chloroethane	20.0	22.5		ug/L		112	14 - 230
Chloroform	20.0	19.9		ug/L		99	51 - 138
Chloromethane	20.0	28.3		ug/L		141	1 - 273
cis-1,3-Dichloropropene	20.0	16.6		ug/L		83	1 - 227
Dichlorobromomethane	20.0	17.2		ug/L		86	35 - 155
Ethylbenzene	20.0	19.8		ug/L		99	37 - 162
Methylene Chloride	20.0	21.7		ug/L		108	1 - 221
Tetrachloroethene	20.0	20.3		ug/L		101	64 - 148
Toluene	20.0	20.1		ug/L		101	47 - 150
trans-1,2-Dichloroethene	20.0	20.4		ug/L		102	54 - 156
trans-1,3-Dichloropropene	20.0	17.6		ug/L		88	17 - 183
Trichloroethene	20.0	20.3		ug/L		102	71 - 157
Vinyl chloride	20.0	22.2		ug/L		111	1 - 251

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*68 - 130*
4-Bromofluorobenzene (Surr)	*99*		*76 - 123*
Dibromofluoromethane (Surr)	*100*		*75 - 123*
Toluene-d8 (Surr)	*95*		*77 - 120*

Method: 625.1 - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-712874/1-A
Matrix: Water
Analysis Batch: 712988

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 712874

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		10	0.82	ug/L		05/21/24 13:54	05/22/24 13:47	1
1,2-Dichlorobenzene	ND		10	1.0	ug/L		05/21/24 13:54	05/22/24 13:47	1
1,2-Diphenylhydrazine	ND		10	0.78	ug/L		05/21/24 13:54	05/22/24 13:47	1
1,3-Dichlorobenzene	ND		10	0.69	ug/L		05/21/24 13:54	05/22/24 13:47	1
1,4-Dichlorobenzene	ND		10	0.82	ug/L		05/21/24 13:54	05/22/24 13:47	1
2,2'-oxybis[1-chloropropane]	ND		5.0	0.84	ug/L		05/21/24 13:54	05/22/24 13:47	1
2,4,6-Trichlorophenol	ND		5.0	1.0	ug/L		05/21/24 13:54	05/22/24 13:47	1
2,4-Dichlorophenol	ND		5.0	0.77	ug/L		05/21/24 13:54	05/22/24 13:47	1

Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-712874/1-A
Matrix: Water
Analysis Batch: 712988

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 712874

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND		5.0	1.4	ug/L		05/21/24 13:54	05/22/24 13:47	1
2,4-Dinitrophenol	ND		10	5.0	ug/L		05/21/24 13:54	05/22/24 13:47	1
2,4-Dinitrotoluene	ND		10	1.6	ug/L		05/21/24 13:54	05/22/24 13:47	1
2,6-Dinitrotoluene	ND		5.0	1.0	ug/L		05/21/24 13:54	05/22/24 13:47	1
2-Chloronaphthalene	ND		5.0	0.91	ug/L		05/21/24 13:54	05/22/24 13:47	1
2-Chlorophenol	ND		5.0	0.66	ug/L		05/21/24 13:54	05/22/24 13:47	1
2-Nitrophenol	ND		5.0	0.70	ug/L		05/21/24 13:54	05/22/24 13:47	1
3,3'-Dichlorobenzidine	ND		5.0	1.6	ug/L		05/21/24 13:54	05/22/24 13:47	1
4,6-Dinitro-2-methylphenol	ND		10	1.8	ug/L		05/21/24 13:54	05/22/24 13:47	1
4-Bromophenyl phenyl ether	ND		5.0	1.4	ug/L		05/21/24 13:54	05/22/24 13:47	1
4-Chloro-3-methylphenol	ND		5.0	1.1	ug/L		05/21/24 13:54	05/22/24 13:47	1
4-Chlorophenyl phenyl ether	ND		5.0	1.3	ug/L		05/21/24 13:54	05/22/24 13:47	1
4-Nitrophenol	ND		15	1.9	ug/L		05/21/24 13:54	05/22/24 13:47	1
Acenaphthene	ND		5.0	0.81	ug/L		05/21/24 13:54	05/22/24 13:47	1
Acenaphthylene	ND		5.0	0.87	ug/L		05/21/24 13:54	05/22/24 13:47	1
Anthracene	ND		5.0	1.4	ug/L		05/21/24 13:54	05/22/24 13:47	1
Benzidine	ND		80	54	ug/L		05/21/24 13:54	05/22/24 13:47	1
Benzo[a]anthracene	ND		5.0	1.1	ug/L		05/21/24 13:54	05/22/24 13:47	1
Benzo[a]pyrene	ND		5.0	1.3	ug/L		05/21/24 13:54	05/22/24 13:47	1
Benzo[b]fluoranthene	ND		5.0	1.2	ug/L		05/21/24 13:54	05/22/24 13:47	1
Benzo[g,h,i]perylene	ND		5.0	1.5	ug/L		05/21/24 13:54	05/22/24 13:47	1
Benzo[k]fluoranthene	ND		5.0	1.3	ug/L		05/21/24 13:54	05/22/24 13:47	1
Bis(2-chloroethoxy)methane	ND		5.0	0.75	ug/L		05/21/24 13:54	05/22/24 13:47	1
Bis(2-chloroethyl)ether	ND		5.0	0.93	ug/L		05/21/24 13:54	05/22/24 13:47	1
Bis(2-ethylhexyl) phthalate	ND		10	1.2	ug/L		05/21/24 13:54	05/22/24 13:47	1
Butyl benzyl phthalate	ND		5.0	1.1	ug/L		05/21/24 13:54	05/22/24 13:47	1
Chrysene	ND		5.0	1.0	ug/L		05/21/24 13:54	05/22/24 13:47	1
Dibenz(a,h)anthracene	ND		5.0	1.5	ug/L		05/21/24 13:54	05/22/24 13:47	1
Diethyl phthalate	ND		5.0	1.0	ug/L		05/21/24 13:54	05/22/24 13:47	1
Dimethyl phthalate	ND		5.0	0.91	ug/L		05/21/24 13:54	05/22/24 13:47	1
Di-n-butyl phthalate	ND		5.0	1.6	ug/L		05/21/24 13:54	05/22/24 13:47	1
Di-n-octyl phthalate	ND		5.0	1.2	ug/L		05/21/24 13:54	05/22/24 13:47	1
Fluoranthene	ND		5.0	1.6	ug/L		05/21/24 13:54	05/22/24 13:47	1
Fluorene	ND		5.0	1.0	ug/L		05/21/24 13:54	05/22/24 13:47	1
Hexachlorobenzene	ND		5.0	1.0	ug/L		05/21/24 13:54	05/22/24 13:47	1
Hexachlorobutadiene	ND		5.0	1.0	ug/L		05/21/24 13:54	05/22/24 13:47	1
Hexachlorocyclopentadiene	ND		10	2.1	ug/L		05/21/24 13:54	05/22/24 13:47	1
Hexachloroethane	ND		5.0	0.60	ug/L		05/21/24 13:54	05/22/24 13:47	1
Indeno[1,2,3-cd]pyrene	ND		5.0	1.5	ug/L		05/21/24 13:54	05/22/24 13:47	1
Isophorone	ND		5.0	0.74	ug/L		05/21/24 13:54	05/22/24 13:47	1
Naphthalene	ND		5.0	0.86	ug/L		05/21/24 13:54	05/22/24 13:47	1
Nitrobenzene	ND		5.0	0.81	ug/L		05/21/24 13:54	05/22/24 13:47	1
N-Nitrosodimethylamine	ND		10	0.57	ug/L		05/21/24 13:54	05/22/24 13:47	1
N-Nitrosodi-n-propylamine	ND		5.0	0.89	ug/L		05/21/24 13:54	05/22/24 13:47	1
N-Nitrosodiphenylamine	ND		5.0	0.82	ug/L		05/21/24 13:54	05/22/24 13:47	1
Pentachlorophenol	ND		10	3.2	ug/L		05/21/24 13:54	05/22/24 13:47	1
Phenanthrene	ND		5.0	1.2	ug/L		05/21/24 13:54	05/22/24 13:47	1
Phenol	ND		5.0	0.35	ug/L		05/21/24 13:54	05/22/24 13:47	1
Pyrene	ND		5.0	1.4	ug/L		05/21/24 13:54	05/22/24 13:47	1

Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	*91*		*52 - 151*	*05/21/24 13:54*	*05/22/24 13:47*	*1*
2-Fluorobiphenyl (Surr)	*94*		*44 - 120*	*05/21/24 13:54*	*05/22/24 13:47*	*1*
2-Fluorophenol (Surr)	*66*		*17 - 120*	*05/21/24 13:54*	*05/22/24 13:47*	*1*
Nitrobenzene-d5 (Surr)	*79*		*15 - 314*	*05/21/24 13:54*	*05/22/24 13:47*	*1*
Phenol-d5 (Surr)	*50*		*8 - 424*	*05/21/24 13:54*	*05/22/24 13:47*	*1*
p-Terphenyl-d14 (Surr)	*95*		*22 - 125*	*05/21/24 13:54*	*05/22/24 13:47*	*1*

Lab Sample ID: LCS 480-712874/2-A
Matrix: Water
Analysis Batch: 712988

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 712874

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4-Trichlorobenzene	32.0	26.6		ug/L		83	44 - 142
1,2-Dichlorobenzene	32.0	26.5		ug/L		83	32 - 129
1,2-Diphenylhydrazine	32.0	30.4		ug/L		95	47 - 146
1,3-Dichlorobenzene	32.0	25.7		ug/L		80	1 - 172
1,4-Dichlorobenzene	32.0	25.6		ug/L		80	20 - 124
2,2'-oxybis[1-chloropropane]	32.0	27.3		ug/L		85	36 - 166
2,4,6-Trichlorophenol	32.0	31.4		ug/L		98	37 - 144
2,4-Dichlorophenol	32.0	33.0		ug/L		103	39 - 135
2,4-Dimethylphenol	32.0	31.8		ug/L		99	32 - 120
2,4-Dinitrophenol	64.0	61.9		ug/L		97	1 - 191
2,4-Dinitrotoluene	32.0	33.0		ug/L		103	39 - 139
2,6-Dinitrotoluene	32.0	31.3		ug/L		98	50 - 158
2-Chloronaphthalene	32.0	28.5		ug/L		89	60 - 120
2-Chlorophenol	32.0	30.1		ug/L		94	23 - 134
2-Nitrophenol	32.0	30.0		ug/L		94	29 - 182
3,3'-Dichlorobenzidine	64.0	50.8		ug/L		79	1 - 262
4,6-Dinitro-2-methylphenol	64.0	67.3		ug/L		105	1 - 181
4-Bromophenyl phenyl ether	32.0	33.7		ug/L		105	53 - 127
4-Chloro-3-methylphenol	32.0	32.2		ug/L		101	22 - 147
4-Chlorophenyl phenyl ether	32.0	31.6		ug/L		99	25 - 158
4-Nitrophenol	64.0	54.3		ug/L		85	1 - 132
Acenaphthene	32.0	29.4		ug/L		92	47 - 145
Acenaphthylene	32.0	31.0		ug/L		97	33 - 145
Anthracene	32.0	32.8		ug/L		103	27 - 133
Benzidine	64.0	ND		ug/L		32	1 - 120
Benzo[a]anthracene	32.0	32.3		ug/L		101	33 - 143
Benzo[a]pyrene	32.0	33.4		ug/L		104	17 - 163
Benzo[b]fluoranthene	32.0	35.1		ug/L		110	24 - 159
Benzo[g,h,i]perylene	32.0	35.3		ug/L		110	1 - 219
Benzo[k]fluoranthene	32.0	33.6		ug/L		105	11 - 162
Bis(2-chloroethoxy)methane	32.0	29.7		ug/L		93	33 - 184
Bis(2-chloroethyl)ether	32.0	33.5		ug/L		105	12 - 158
Bis(2-ethylhexyl) phthalate	32.0	30.5		ug/L		95	8 - 158
Butyl benzyl phthalate	32.0	32.1		ug/L		100	1 - 152
Chrysene	32.0	31.6		ug/L		99	17 - 168
Dibenz(a,h)anthracene	32.0	34.8		ug/L		109	1 - 227
Diethyl phthalate	32.0	33.6		ug/L		105	1 - 120
Dimethyl phthalate	32.0	33.4		ug/L		104	1 - 120
Di-n-butyl phthalate	32.0	32.6		ug/L		102	1 - 120

Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-712874/2-A
Matrix: Water
Analysis Batch: 712988

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 712874

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Di-n-octyl phthalate	32.0	30.7		ug/L		96	4 - 146
Fluoranthene	32.0	33.1		ug/L		104	26 - 137
Fluorene	32.0	31.7		ug/L		99	59 - 121
Hexachlorobenzene	32.0	34.3		ug/L		107	1 - 152
Hexachlorobutadiene	32.0	23.4		ug/L		73	24 - 120
Hexachlorocyclopentadiene	32.0	17.5		ug/L		55	5 - 120
Hexachloroethane	32.0	22.5		ug/L		70	40 - 120
Indeno[1,2,3-cd]pyrene	32.0	34.8		ug/L		109	1 - 171
Isophorone	32.0	31.1		ug/L		97	21 - 196
Naphthalene	32.0	28.4		ug/L		89	21 - 133
Nitrobenzene	32.0	29.3		ug/L		91	35 - 180
N-Nitrosodimethylamine	32.0	21.3		ug/L		67	19 - 120
N-Nitrosodi-n-propylamine	32.0	29.8		ug/L		93	1 - 230
N-Nitrosodiphenylamine	32.0	33.4		ug/L		104	54 - 125
Pentachlorophenol	64.0	68.0		ug/L		106	14 - 176
Phenanthrene	32.0	31.7		ug/L		99	54 - 120
Phenol	32.0	19.3		ug/L		60	5 - 120
Pyrene	32.0	32.3		ug/L		101	52 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*104*		*52 - 151*
2-Fluorobiphenyl (Surr)	*95*		*44 - 120*
2-Fluorophenol (Surr)	*71*		*17 - 120*
Nitrobenzene-d5 (Surr)	*86*		*15 - 314*
Phenol-d5 (Surr)	*57*		*8 - 424*
p-Terphenyl-d14 (Surr)	*98*		*22 - 125*

Lab Sample ID: LCSD 480-712874/3-A
Matrix: Water
Analysis Batch: 712988

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 712874

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	32.0	26.5		ug/L		83	44 - 142	0	34
1,2-Dichlorobenzene	32.0	26.8		ug/L		84	32 - 129	1	38
1,2-Diphenylhydrazine	32.0	30.6		ug/L		96	47 - 146	1	20
1,3-Dichlorobenzene	32.0	25.4		ug/L		79	1 - 172	1	37
1,4-Dichlorobenzene	32.0	26.0		ug/L		81	20 - 124	2	40
2,2'-oxybis[1-chloropropane]	32.0	26.7		ug/L		84	36 - 166	2	36
2,4,6-Trichlorophenol	32.0	32.0		ug/L		100	37 - 144	2	20
2,4-Dichlorophenol	32.0	32.5		ug/L		102	39 - 135	1	23
2,4-Dimethylphenol	32.0	31.9		ug/L		100	32 - 120	0	18
2,4-Dinitrophenol	64.0	64.0		ug/L		100	1 - 191	3	29
2,4-Dinitrotoluene	32.0	32.1		ug/L		100	39 - 139	3	20
2,6-Dinitrotoluene	32.0	32.5		ug/L		102	50 - 158	4	17
2-Chloronaphthalene	32.0	28.8		ug/L		90	60 - 120	1	30
2-Chlorophenol	32.0	29.1		ug/L		91	23 - 134	4	26
2-Nitrophenol	32.0	30.2		ug/L		94	29 - 182	1	28
3,3'-Dichlorobenzidine	64.0	51.9		ug/L		81	1 - 262	2	31

Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-712874/3-A
Matrix: Water
Analysis Batch: 712988

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 712874

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,6-Dinitro-2-methylphenol			64.0	66.2		ug/L		103	1 - 181	2	30
4-Bromophenyl phenyl ether			32.0	33.7		ug/L		105	53 - 127	0	16
4-Chloro-3-methylphenol			32.0	32.1		ug/L		100	22 - 147	0	16
4-Chlorophenyl phenyl ether			32.0	31.3		ug/L		98	25 - 158	1	15
4-Nitrophenol			64.0	55.7		ug/L		87	1 - 132	3	24
Acenaphthene			32.0	29.6		ug/L		93	47 - 145	1	25
Acenaphthylene			32.0	31.1		ug/L		97	33 - 145	0	22
Anthracene			32.0	32.3		ug/L		101	27 - 133	2	15
Benzidine			64.0	ND		ug/L		40	1 - 120	24	50
Benzo[a]anthracene			32.0	32.0		ug/L		100	33 - 143	1	15
Benzo[a]pyrene			32.0	32.5		ug/L		102	17 - 163	3	15
Benzo[b]fluoranthene			32.0	32.1		ug/L		100	24 - 159	9	17
Benzo[g,h,i]perylene			32.0	34.0		ug/L		106	1 - 219	4	19
Benzo[k]fluoranthene			32.0	30.9		ug/L		97	11 - 162	8	19
Bis(2-chloroethoxy)methane			32.0	29.6		ug/L		93	33 - 184	0	23
Bis(2-chloroethyl)ether			32.0	33.0		ug/L		103	12 - 158	1	33
Bis(2-ethylhexyl) phthalate			32.0	31.8		ug/L		99	8 - 158	4	15
Butyl benzyl phthalate			32.0	31.5		ug/L		99	1 - 152	2	15
Chrysene			32.0	32.3		ug/L		101	17 - 168	2	15
Dibenz(a,h)anthracene			32.0	34.2		ug/L		107	1 - 227	2	18
Diethyl phthalate			32.0	33.7		ug/L		105	1 - 120	0	15
Dimethyl phthalate			32.0	33.8		ug/L		106	1 - 120	1	15
Di-n-butyl phthalate			32.0	32.9		ug/L		103	1 - 120	1	15
Di-n-octyl phthalate			32.0	32.3		ug/L		101	4 - 146	5	15
Fluoranthene			32.0	33.0		ug/L		103	26 - 137	0	15
Fluorene			32.0	31.8		ug/L		100	59 - 121	0	18
Hexachlorobenzene			32.0	33.9		ug/L		106	1 - 152	1	15
Hexachlorobutadiene			32.0	24.0		ug/L		75	24 - 120	3	50
Hexachlorocyclopentadiene			32.0	18.5		ug/L		58	5 - 120	6	50
Hexachloroethane			32.0	22.9		ug/L		72	40 - 120	2	43
Indeno[1,2,3-cd]pyrene			32.0	34.1		ug/L		107	1 - 171	2	17
Isophorone			32.0	30.7		ug/L		96	21 - 196	2	21
Naphthalene			32.0	28.6		ug/L		89	21 - 133	1	31
Nitrobenzene			32.0	29.2		ug/L		91	35 - 180	0	27
N-Nitrosodimethylamine			32.0	21.3		ug/L		67	19 - 120	0	22
N-Nitrosodi-n-propylamine			32.0	29.8		ug/L		93	1 - 230	0	23
N-Nitrosodiphenylamine			32.0	32.7		ug/L		102	54 - 125	2	15
Pentachlorophenol			64.0	68.2		ug/L		106	14 - 176	0	21
Phenanthrene			32.0	31.2		ug/L		97	54 - 120	2	16
Phenol			32.0	19.1		ug/L		60	5 - 120	1	36
Pyrene			32.0	32.9		ug/L		103	52 - 120	2	15

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*108*		*52 - 151*
2-Fluorobiphenyl (Surr)	*94*		*44 - 120*
2-Fluorophenol (Surr)	*69*		*17 - 120*
Nitrobenzene-d5 (Surr)	*87*		*15 - 314*
Phenol-d5 (Surr)	*56*		*8 - 424*

Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-712874/3-A
Matrix: Water
Analysis Batch: 712988

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 712874

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
p-Terphenyl-d14 (Surr)	*102*		*22 - 125*

Method: 1664B - HEM and SGT-HEM

Lab Sample ID: MB 480-712768/1-A
Matrix: Water
Analysis Batch: 712769

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 712768

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease	ND		5.0	1.4	mg/L		05/21/24 07:32	05/21/24 07:37	1
SGT-HEM	ND		5.0	1.9	mg/L		05/21/24 07:32	05/21/24 07:37	1

Lab Sample ID: LCS 480-712768/2-A
Matrix: Water
Analysis Batch: 712769

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 712768

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Oil & Grease	40.0	37.40		mg/L		93	78 - 114
SGT-HEM	20.0	18.70		mg/L		93	64 - 132

Method: 9040C - pH

Lab Sample ID: LCS 480-713421/1
Matrix: Water
Analysis Batch: 713421

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
pH	7.00	6.960		SU		99	99 - 101

QC Association Summary

Client: ERM-Northeast
Project/Site: Quarterly Sanitary

Job ID: 480-220014-1

GC/MS VOA

Analysis Batch: 712574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-220014-1	SAN EFFLUENT-05172024	Total/NA	Wastewater	624.1	
480-220014-2	TRIP BLANK-05172024	Total/NA	WQ	624.1	
MB 480-712574/8	Method Blank	Total/NA	Water	624.1	
LCS 480-712574/6	Lab Control Sample	Total/NA	Water	624.1	

GC/MS Semi VOA

Prep Batch: 712874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-220014-1	SAN EFFLUENT-05172024	Total/NA	Wastewater	625	
MB 480-712874/1-A	Method Blank	Total/NA	Water	625	
LCS 480-712874/2-A	Lab Control Sample	Total/NA	Water	625	
LCSD 480-712874/3-A	Lab Control Sample Dup	Total/NA	Water	625	

Analysis Batch: 712988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-220014-1	SAN EFFLUENT-05172024	Total/NA	Wastewater	625.1	712874
MB 480-712874/1-A	Method Blank	Total/NA	Water	625.1	712874
LCS 480-712874/2-A	Lab Control Sample	Total/NA	Water	625.1	712874
LCSD 480-712874/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	712874

General Chemistry

Prep Batch: 712768

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-220014-1	SAN EFFLUENT-05172024	Total/NA	Wastewater	1664B	
MB 480-712768/1-A	Method Blank	Total/NA	Water	1664B	
LCS 480-712768/2-A	Lab Control Sample	Total/NA	Water	1664B	

Analysis Batch: 712769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-220014-1	SAN EFFLUENT-05172024	Total/NA	Wastewater	1664B	712768
MB 480-712768/1-A	Method Blank	Total/NA	Water	1664B	712768
LCS 480-712768/2-A	Lab Control Sample	Total/NA	Water	1664B	712768

Analysis Batch: 713421

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-220014-1	SAN EFFLUENT-05172024	Total/NA	Wastewater	9040C	
LCS 480-713421/1	Lab Control Sample	Total/NA	Water	9040C	

Lab Chronicle

Client: ERM-Northeast
Project/Site: Quarterly Sanitary

Job ID: 480-220014-1

Client Sample ID: SAN EFFLUENT-05172024

Lab Sample ID: 480-220014-1

Date Collected: 05/17/24 13:30

Matrix: Wastewater

Date Received: 05/17/24 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		5	712574	AXK	EET BUF	05/19/24 14:40
Total/NA	Prep	625			712874	LSC	EET BUF	05/21/24 13:54
Total/NA	Analysis	625.1		1	712988	JMM	EET BUF	05/22/24 16:37
Total/NA	Prep	1664B			712768	KM	EET BUF	05/21/24 07:32
Total/NA	Analysis	1664B		1	712769	KM	EET BUF	05/21/24 07:37
Total/NA	Analysis	9040C		1	713421	KB	EET BUF	05/24/24 16:32

Client Sample ID: TRIP BLANK-05172024

Lab Sample ID: 480-220014-2

Date Collected: 05/17/24 13:30

Matrix: WQ

Date Received: 05/17/24 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		1	712574	AXK	EET BUF	05/19/24 15:40

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: ERM-Northeast
Project/Site: Quarterly Sanitary

Job ID: 480-220014-1

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
624.1		Wastewater	1,2-Dichloroethene, Total
624.1		WQ	1,2-Dichloroethene, Total
625.1	625	Wastewater	1,2-Dichlorobenzene
625.1	625	Wastewater	1,3-Dichlorobenzene
625.1	625	Wastewater	1,4-Dichlorobenzene
9040C		Wastewater	pH
9040C		Wastewater	Temperature

Method Summary

Client: ERM-Northeast
Project/Site: Quarterly Sanitary

Job ID: 480-220014-1

Method	Method Description	Protocol	Laboratory
624.1	Volatile Organic Compounds (GC/MS)	EPA	EET BUF
625.1	Semivolatile Organic Compounds (GC/MS)	EPA	EET BUF
1664B	HEM and SGT-HEM	1664B	EET BUF
9040C	pH	SW846	EET BUF
1664B	HEM and SGT-HEM (Aqueous)	1664B	EET BUF
625	Liquid-Liquid Extraction	EPA	EET BUF

Protocol References:

1664B = EPA-821-98-002

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: ERM-Northeast
Project/Site: Quarterly Sanitary

Job ID: 480-220014-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-220014-1	SAN EFFLUENT-05172024	Wastewater	05/17/24 13:30	05/17/24 15:00
480-220014-2	TRIP BLANK-05172024	WQ	05/17/24 13:30	05/17/24 15:00

10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing

Client Information

Client Contact: Kathleen Kwasniak	Sampler: A. Baker	Lab PM: Schove, John R	Carrier Tracking No(s):
Company: ERM-Northeast	Phone: 716 706 9415	E-Mail: John.Schove@et.eurofinsus.com	State of Origin:
Address: One Beacon Steet 5th Floor	PWSID:		
City: Boston	Due Date Requested:		
State, Zip: MA, 02108	TAT Requested (days):		
Phone:	Compliance Project: Δ Yes Δ No		
Email: Kathleen.Kwasniak@erm.com	PO #:		
Project Name: Leica-Cheektowaga - Quarterly Sanitary	WO #:		
Site: New York	Project #: 48018461		
	SSOW#:		

COC No: 480-196429-30455.1
Page: Page 1 of 1
Job #:

Analysis Requested

Preservation Codes:
N - None
S - H2SO4

Other:

Special Instructions/Note:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	625.1_PREC - PPL SVOCs	624.1_PREC - PPL VOCs	1664B - TPH	9040C - pH	Total Number of containers
			Preservation Code:				N	N	S	N	
SAN EFFLUENT - 05172024	5/17/24	1330	G	Water			x	x	x	x	8
TRIP BLANK - 05172024	5/17/24	1330	G	Water							1

480-220014 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) ASP+CAT B→NYS EDD

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:	
Relinquished by:	Date/Time: 5/17/24 1500	Company: ERM	Received by:	Date/Time: 5/17/24 1500	Company: TAS		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company		

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 510# 1 IIF

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: ERM-Northeast

Job Number: 480-220014-1

Login Number: 220014
List Number: 1
Creator: Kolb, Chris M

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ERM
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Table - Q2 2024 DMR
Summary of Groundwater Extraction System Discharge Operations
Former Leica, Inc. Facility
Cheektowaga, New York

Leica 2024 Year-to-Date Groundwater Treatment System Discharge Summary - 12/9/2023 through 6/4/2024				
Date	Meter Reading (gal)	Flow (gal)	Average Daily Flow (gal/day)	Comments
12/9/2023	835,926			
		57,874	1,702	
1/12/2024	893,800			
		70,910	2,532	
2/9/2024	964,710			
		8,422	1,684	
2/14/2024	973,132			SAN-EFFLUENT-20240214 collected on 2/14/2024
		23,705	1,693	
2/28/2024	996,837			
		12,779	1,420	
3/8/2024	1,009,616			
		102,263	1,733	
5/6/2024	1,111,879			
		10,990	999	
5/17/2024	1,122,869			SAN-EFFLUENT-05172024 collected on 5/17/2024
		17,652	981	
6/4/2024	1,140,521			

304,595	**Total Gallons Discharged from 12/9/2023 - 6/4/2024**

AUTHORIZATION TO DISCHARGE UNDER THE TOWN OF CHEEKTOWAGA/BUFFALO
POLLUTANT DISCHARGE ELIMINATION SYSTEM

PERMIT NUMBER: 23-02-CH014

USEPA Category: 40 CFR 403

In accordance with the provisions of the Federal Water Pollution Control Act, as amended, the Sewer Regulations of the Buffalo Sewer Authority and the Rules and Regulations for the Town of Cheektowaga, authorization is hereby granted to:

LEICA MICROSYSTEMS INC.

To discharge wastewater from a facility located at:

203 EGGERT ROAD, CHEEKTOWAGA, N.Y. 14215

To the Town of Cheektowaga and the Buffalo Municipal Sewer System.

Issuance of this permit is based upon a permit application filed on **January 4, 2023** and analytical data. This permit is granted in accordance with discharge limitations, monitoring requirements and other conditions set forth in Part I and II hereof.

Effective this 1st day of February, 2023

To Expire the 31st day of January, 2026

Patrick T. Bowen

Town Engineer, Town of Cheektowaga

Signed this 25TH day of JANUARY, 2023

General Manager, Buffalo Sewer Authority

Issued this 2ND day of FEBRUARY, 2023

PART 1: SPECIFIC CONDITIONS

A. DISCHARGE LIMITATIONS & MONITORING REQUIREMENTS

During the period beginning the effective date of this permit and lasting until the expiration date, discharge from the permitted facility outfall(s) (see attached map) shall be limited and monitored Quarterly by the permittee as specified below:

Sampling for the pollutants below will be conducted at Sample 001.

Sample Point 001 is wastewater discharge generated via groundwater extraction system. Sample point is a port off PVC pipe. Please refer to site map.

Sample Point 001: Local Limits

Regulation		Discharge Limit	Sampling Requirement	Sampling Requirement [1]
	Parameter	Daily	Time Period	Type
		Conc. mg/L)		
403	pH [2]	5.0-12.0	1 Day	Grab
403	Total Extractable Hydrocarbons [2] [3]	100	1 Day	Grab
403	EPA Test Procedures 624 & 625 [4] [5] [6]	2.14	1 Day	Grab
403	Discharge Flow	18,000 GPD	1 Day	Discharge flow meter readings [7]

Footnotes: Explanation of footnotes can be found on page 3.

PART 1: SPECIFIC CONDITIONS

B. FOOTNOTES:

1. Sampling Requirement, Sampling Type:

   a. Grab sample: A single discreet sample collected over a period that is not to exceed 15 minutes.
   b. Composite sample: The two methods of obtaining a composite sample are flow-proportional composite sampling or time-proportional composite sampling. Please indicate the sampling method.

2. The Discharge Limitation for these parameters are local discharge limits that the Buffalo Sewer Authority has developed to protect the Bird Island Treatment Plant.

3. The analysis for Total Extractable Hydrocarbons shall use EPA Test Method 1664A SGT-HEM.

4. The permittee must report any compound whose concentration is greater than 0.01 mg/L. The permittee is not authorized to discharge any of the parameters evaluated by these test procedures which may cause or contribute to a violation of water quality standards or harm the sewerage system. Any parameter detected may, at the discretion of the Buffalo Sewer Authority or the Town of Cheektowaga be specifically limited and incorporated into this permit.

5. At least 4 grab samples for volatile organic compounds must be collected at equally spaced intervals throughout each sample day. The grab samples must be composited by a NYSDOH Certified laboratory prior to analysis.

6. Should any violation of the daily limits for EPA Test Methods 624 and 625 occur, permittee will be required to pretreat the groundwater prior to discharge.

7. Total Flow must be measured using a meter approved by the Buffalo Sewer Authority and the Town of Cheektowaga. The discharge flow meter must be calibrated annually by an independent, factory authorized representative. A copy of the certificate of calibration must be submitted annually.

PART 1: SPECIFIC CONDITIONS

C. DISCHARGE MONITORING REPORTING REQUIREMENTS

1. During the period beginning the effective date of this permit lasting until the expiration date, discharge monitoring results shall be summarized and reported **quarterly** by the permittee on the days specified below:

Sample Point	Parameter	Initial Report	Subsequent Reports	
001	All parameters	**March 31, 2023**	**June 30, 2023**	**December 31, 2024**
			September 30, 2023	**March 31, 2025**
			December 31, 2023	**June 30, 2025**
			March 31, 2024	**September 30, 2025**
			June 30, 2024	**December 31, 2025**
			September 30, 2024	

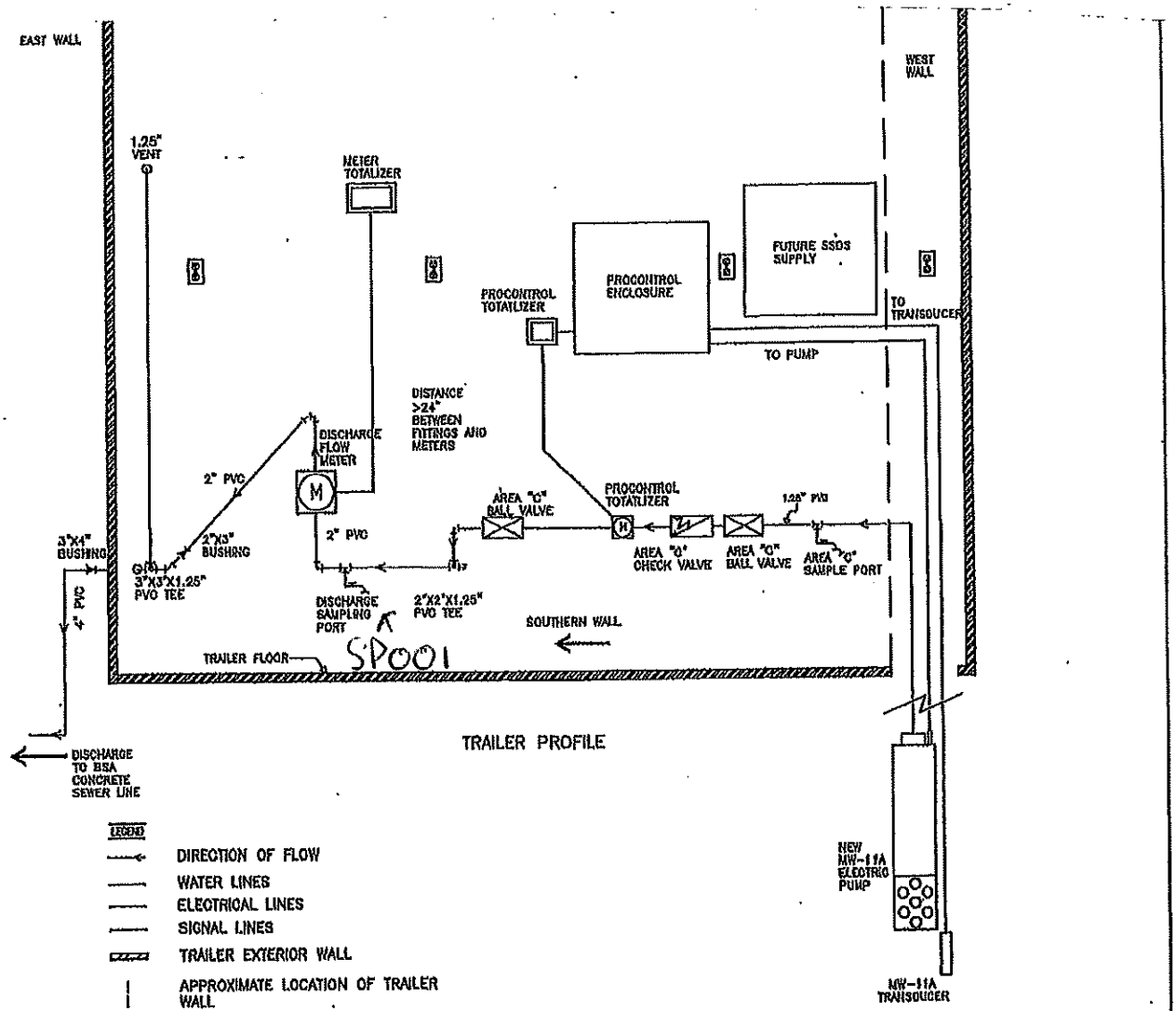
2. To renew your Discharge Permit, a Discharge Permit Application is required six months prior to the expiration of this permit. Please submit by **August 1, 2025.**

D. SPECIAL REQUIRMENTS

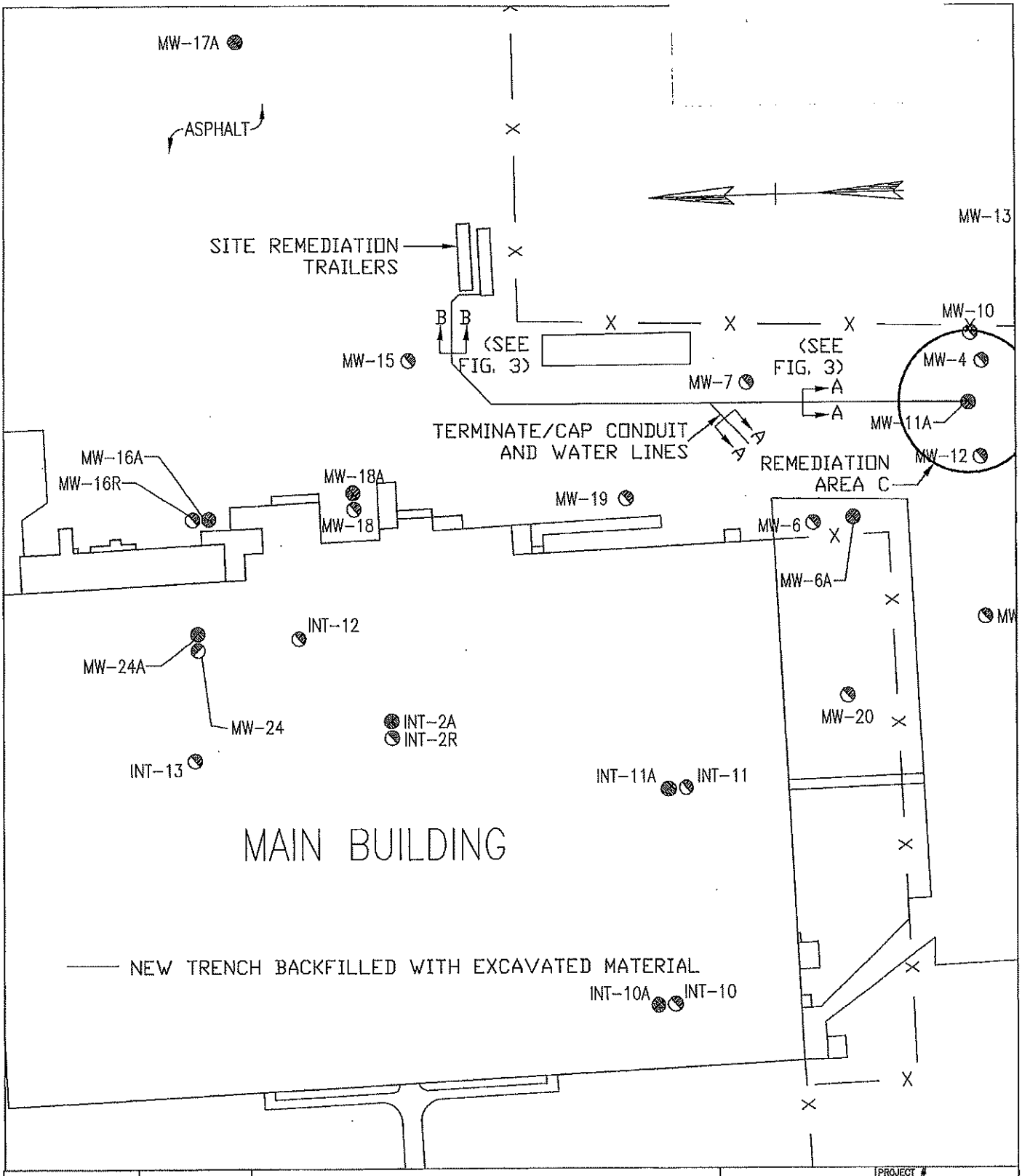
If any monitoring report shows a violation of any BSA pollutant limit, the permittee shall immediately commence monitoring on a monthly basis. Reports will then be due on the last day of each month, for the previous month's samples. (eg. Report on samples collected in Jan. must be submitted by the last day of Feb). When the permittee shows consistent compliance with all BSA pollutant limits, the permittee may request a return to quarterly monitoring. Such permission will not be unreasonably withheld.

Part I: SPECIFIC CONDITIONS

D.SITE MAP



DOCUMENT CONTROL NO.	PROJECT	LEICA MICROSYSTEMS INC. 203 EGGERT RD CHEEKTOWAGA, NY	ENERGYSOLUTIONS 984 SOUTHFORD RD MIDDLEBURY, CT. 06762 (203)797-8301	137016 DATE: 5/25/16 SCALE: NTS BY: DRS
REVISION NO.	DRAWING	AS BUILT TRAILER MODIFICATIONS ELECTRICAL AND PLUMBING LAYOUT		FIGURE # AB-6



DOCUMENT CONTROL NO.	PROJECT	LEICA MICROSYSTEMS INC. 203 EGGERT RD CHEEKTOWAGA, NY	ENERGYSOLUTIONS 984 SOUTHFORD RD MIDDLEBURY, CT. 06762 (203)797-8301	PROJECT # 137015 FILENAME: SCALE: 1" =100' DATE: 5/24/16 BY: DRS CK: MC FIGURE # AB-2
REVISION NO.	DRAWING	AS BUILT SITE PLAN AND TRENCH LOCATIONS		

PART II GENERAL CONDITIONS

A. MONITORING AND REPORTING

1. Local Limits

Except as otherwise specified in this permit, the permit holder shall comply with all specific prohibitions, limits on pollutants or pollutant parameters set forth in the Buffalo Sewer Authority Sewer Use Regulations, as amended from time to time, and such prohibitions, limits and parameters shall be deemed pretreatment standards for purposes of the Clean Water Act

2. Definitions

Definitions of terms contained in this permit are as defined in the Town of Cheektowaga Local Law No. 2 and the Buffalo Sewer Authority Sewer Use Regulations.

3. Discharge Sampling Analysis

All Wastewater discharge samples and analyses and flow measurements shall be representative of the volume and character of the monitored discharge. Methods employed for flow measurements and sample collections and analyses shall conform to the Buffalo Sewer Authority "Sampling Measurement and Analytical Guidelines Sheet."

4. Recording of Results

For each measurement or sample taken pursuant to the requirements of the permit, the Permittee shall record the information as required in the "Sampling Measurement and Analytical Guidelines Sheet."

5. Additional Monitoring by Permittee

If the Permittee monitors any pollutants at the location(s) designated herein more frequently than required by this permit, using approved analytical methods as specified in 40 CFR Part 136 the results of such monitoring shall be included in the calculation and reporting of values required under Part I, B. Such increased frequency shall also be indicated.

6. Reporting

All reports prepared in accordance with this Permit shall be submitted to:

Patrick Bowen, P.E.
Town Engineer
275 Alexander Ave.
Cheektowaga, New York, 14211

All self-monitoring reports shall be prepared in accordance with the BSA "Sampling Measurement and Analytical Guidelines Sheet." These reporting requirements shall not relieve the Permittee of any other reports, which may be required by the

N.Y.S.D.E.C. or the U.S.E.P.A.

B. PERMITTEE REQUIREMENTS

1. Change in Discharge

All discharges authorized herein shall be consistent with the terms and conditions of this permit and with the information contained in the TC/BPDES Permit Application on which basis this permit is granted. In the event of any facility expansions, production increases, process modifications or the installation, modification or repair of any pretreatment equipment which may result in new, different or increased discharges of pollutants, a new TC/BPDES Permit Application must be submitted prior to any change. Following receipt of an amended application, the BSA may modify this permit to specify and limit any pollutants not previously limited. In the event that the proposed change will be covered under an applicable Categorical Standard, a Baseline Monitoring Report must be submitted at least ninety (90) days prior to any discharge.

2. Records Retention

All records and information resulting from the monitoring activities required by this permit including all records of analyses performed, calibration and maintenance of instrumentation, and recordings from continuous monitoring instrumentation shall be retained at this facility for a minimum of three (3) years, or longer if requested by the General Manager and/or Town Engineer.

3. Notification of Slug, Accidental Discharge or Spill

In the event that a slug, accidental discharge or any spill occurs at the facility for which this permit is issued, it is the responsibility of the Permittee to immediately notify the B.S.A. Treatment Plant at 851-4664 ext 5374 of the quantity and character of such discharge. If requested by the B.S.A., within five (5) days following all such discharges, the Permittee shall submit a report describing the character and duration of the discharge, the cause of the discharge, and measures taken or that will be taken to prevent a recurrence of such discharge.

4. Noncompliance Notification

If, for any reason, the Permittee does not comply with or will be unable to comply with any discharge limitation specified in this permit, the Permittee or their assigns must verbally notify the Industrial Waste Section at 851-4664 ext 5374 within twenty-four (24) hours of becoming aware of the violation. The Permittee shall provide the Industrial Waste Section with the following information, in writing, within five (5) days of becoming aware of such condition:

a. a description of the discharge and cause of noncompliance and;

b. the period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate and prevent recurrence of the noncomplying discharge.

5. Adverse Impact

The Permittee shall take all reasonable steps to minimize any adverse impact to the Buffalo and Town Sewerage System resulting from noncompliance with any discharge limitations specified in this permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying discharge.

6. Waste Residuals

Solids, sludges, filter backwash or other pollutants removed in the course of treatment or control of wastewaters and/or the treatment of intake waters, shall be disposed of in a manner such as to prevent any pollutant from such materials from entering the Buffalo or Town Sewer System.

7. Power Failures

In order to maintain compliance with the discharge limitations and prohibitions of this permit, the Permittee shall provide an alternative power source sufficient to operate the wastewater control facilities; or, if such alternative power source is not provided the Permittee shall halt, reduce or otherwise control production and/or controlled discharges upon the loss of power to the wastewater control facilities.

8. Treatment Upsets

a. Any industrial user which experiences an upset in operations that places it in a temporary state of noncompliance, which is not the result of operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation, shall inform the Industrial Waste Section immediately upon becoming aware of the upset. Where such information is given verbally, a written report shall be filed by the user within five (5) days. The report shall contain:

   (i) A description of the upset, its cause(s) and impact on the discharger's compliance status.

   (ii) The duration of noncompliance, including exact dates and times of noncompliance, and if the noncompliance is continuing, the time by which compliance is reasonably expected to be restored

   (iii) All steps taken or planned to reduce, eliminate, and prevent recurrence of such an upset.

b. An industrial user which complies with the notification provisions of this Section in a timely manner shall have an affirmative defense to any enforcement action brought by the Industrial Waste Section/Town Engineer for any noncompliance of the limits in this permit, which arises out of violations attributable to and alleged to have occurred during the period of the documented and verified upset.

9. Treatment Bypasses

a. A bypass of the treatment system is prohibited unless the following conditions are met:

(i) The bypass was unavoidable to prevent loss of life, personal injury, or severe property damage; or

(ii) There was no feasible alternative to the bypass, including the use of auxiliary treatment or retention of the wastewater; and

(iii) The industrial user properly notified the Industrial Waste Section as described in paragraph b. below.

b. Industrial users must provide immediate notice to the Industrial Waste Section upon delivery of an unanticipated bypass. If necessary, the Industrial Waste Section may require the industrial user to submit a written report explaining the cause(s), nature, and duration of the bypass, and the steps being taken to prevent its recurrence.

c. An industrial user may allow a bypass to occur which does not cause pretreatment standards or requirements to be violated, but only if it is for essential maintenance to ensure efficient operation of the treatment system. Industrial users anticipating a bypass must submit notice to the Industrial Waste Section at least ten (10) days in advance. The Industrial Waste Section may only approve the anticipated bypass if the circumstances satisfy those set forth in paragraph a. above.

C. PERMITTEE RESPONSIBILITIES

1. Permit Availability

The originally signed permit must be available upon request at all times for review at the address stated on the first page of this permit.

2. Inspections

The Permittee shall allow the representatives of the Buffalo Sewer Authority or Town of Cheektowaga upon the presentation of credentials and during normal working hours or at any other reasonable times, to have access to and copy any records required in this permit; and to sample any discharge of pollutants.

3. Transfer of Ownership or Control

In the event of any change in control or ownership of facilities for which this permit has been issued the permit shall become null and void. The succeeding owner shall submit a completed Town of Cheektowaga/ Buffalo Sewer Authority permit application prior to discharge to the sewer system.

D. PERMITTEE LIABILITIES

1. Permit Modification

After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to the following:

a. Violation of any terms or conditions of this permit,

b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts,

c. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.

2. Imminent Danger

In the event there exists an imminent danger to health or property, the permitter reserves the right to take immediate action to halt the permitted discharge to the sewerage works.

3. Civil and Criminal Liability

Nothing in this permit shall relieve the Permittee from any requirements, liabilities, or penalties under provisions of the Town of Cheektowaga Local Law No. 2, the "Sewer Regulations of the Buffalo Sewer Authority" or any Federal, State and/or local laws or regulations.

4. Penalties for Violations of Permit Conditions

The "Sewer Regulations of the Buffalo Sewer Authority" and Town of Cheektowaga Local Law No. 2, provide that any person who violates a B.P.D.E.S. permit condition is liable to the Authority and/or the Town for a civil penalty of up to $10,000 per day for each violation. Any person who willfully or negligently violates permit conditions will be referred to the New York State Attorney General.

E. NATIONAL PRETREATMENT STANDARDS

If a pretreatment standard or prohibition (including any Schedule of Compliance specified in such pretreatment standard or prohibition) is established under Section 307 (b) of the Act for a pollutant which is present in the discharge and such standard or prohibition is more stringent than any limitation for such pollutant in this permit, this permit shall be revised or modified in accordance with such pretreatment standard or prohibition.

F. PLANT CLOSURE

In the event of plant closure, the Permittee is required to notify the Industrial Waste Section/Town Engineer in writing as soon as an anticipated closure date is determined, but in no case later than five (5) days of the actual closure.

G. CONFIDENTIALITY

Except for data determined to be confidential under Section 308 of the Act, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Buffalo Sewer Authority or Town Engineer of the Town of Cheektowaga. As required by the Act, effluent data shall not be considered confidential. Knowingly making any false statement on any such report may result in the imposition of criminal penalties as provided for in Section 309 of the Act.

H. SEVERABILITY

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

November 08, 2022

CERTIFICATE OF RECERTIFICATION

We,
Flomotion Systems Inc.
3 N Main
Middleport, NY 14105

Hereby declare that the products listed below

ISOMAG Model **MS5000-C50-A2A** Electromagnetic Flow Sensor (s/n **12W010083**) coupled with the
ISOMAG Model **ML110-B0B1B1B0** Converter/Transmitter (s/n **38M1817**)

have been fully tested.
Converter ML110 (38M1817) has passed all diagnostic tests in accordance with the original factory specifications.
Sensor MS5000-C50 (12W010083) has failed diagnostic tests due to voltage leakage between the coils and ground which is non-repairable.

Material of Construction

Body:	___ Carbon Steel	___SS	_X_PP
Liner:	___ PTFE	_X_ PP	___HR
Electrodes:	_X_ SS	___ HC	
Enclosure:	_X_ Nylon PA6	___ Cast Aluminum	

Tests Performed / Programming Confirmed:

Converter: PASSED

NOMINAL DIAMETER – OK (50mm)
Ka CALIBRATION FACTOR – OK (+2.5687)
PULSE OUTPUT – OK
CURRENT OUTPUT: - OK
4.00 MA AT 0% FS
12.01 MA AT 50% FS
19.99 MA AT 100% FS

Sensor: FAILED (Pass conditions '>2000OHMS')

MEG OHM @500 VDC:

GND - 13 : 1540 OHMS	- **Failed**
GND - 12 : 1410 OHMS	- **Failed**
SHLD - 12 >2000 OHMS	-
SHLD - 13 >2000 OHMS	-
GND - 1 >2000 OHMS	-
GND - 2 >2000 OHMS	-
1 - 12 >2000 OHMS	-
1 - 13 >2000 OHMS	-
2 - 12 >2000 OHMS	-
2 - 13 >2000 OHMS	-

CONTINUITY: PASSED

COIL RES: NOMINAL (135.3 ohms)

B1 (12) – B2 (13)	- PASSED
E1 – CE1 (1)	- PASSED
E2 – CE2 (2)	- PASSED
E3-GND – Body-GND (T2)	- PASSED
E3-GND – CT1 (3)	- PASSED

3 N Main
Middleport, NY 14105
Tel: 716.691.3941
800.909.3569
Fax: 716.691.1253
www.flomotionsystems.com

Distributed by : **Distributed by :** FLOMOTION SYSTEM INC
BUFFALO (NY) – USA 800-909-3569

Isoil Industria Spa
Via F.lli Gracchi. 27
20092 Cinisellio Balsamo MI – Italy
Tel. +39 02 660271
Email : sales@isoil.it **(International) or**
vendite@isoil.it **(domestic)**
Web site: www.isoil.com

ISOMAG

Calibration Report Of Electromagnetic Flow Meter ISOMAG® Series

Internal Reference **: 410657**
Order Confirmation **n°: OC21-00992**

Calibration Line **: 4**

DATI SENSORE / SENSOR DATA

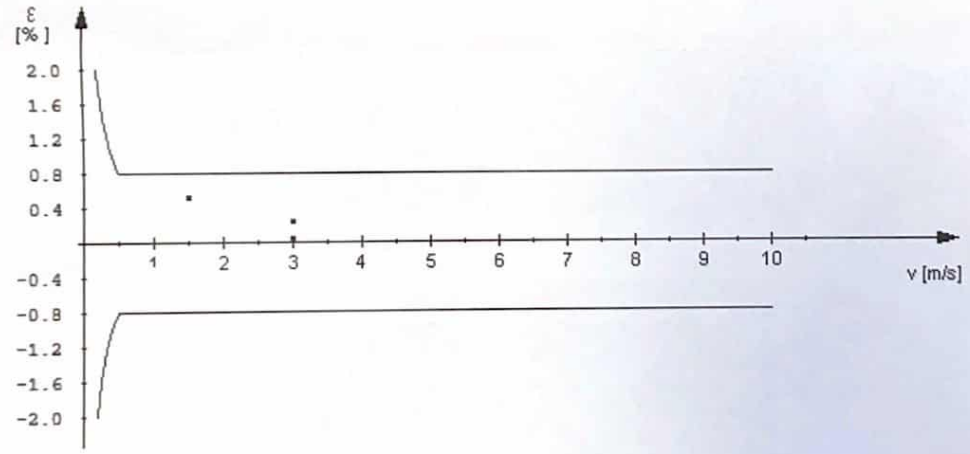
Sensor Model	**MS 5000-C50-A2A**
Serial Number	**12Z002227**
NominalDiameter	**50**
Full scale	**20 dm3/s**
Coefficient Ka	**-2.6713**
Coefficient Kz	**-1160**

CONVERTER DATA

Converter Model	**MV110**
Serial Number	

RISULTATI DELLA TARATURA / CALIBRATION RESULTS

N°	*Reference Meter*	*Test Time*	*Nominal Test Speed (DUT)*	*Ambient Temperature*	*Water Temperature*	*Reference Flow rate*	*Measured Flow rate(DUT)*	*Deviation*
	units	s	m/s	°C	°C	dm3/s	dm3/s	%
1	*L04M001*	60	3,004	21,0	19,5	6,0069248	6,0089618	0,03
2	*L04M001*	60	3,003	20,9	19,5	6,0053397	6,0194429	0,23
3	*L04M001*	60	1,505	21,0	19,5	3,0095272	3,0256190	0,53
4	*L04M001*	60	1,502	21,0	19,5	3,0049362	3,0201494	0,51



Report **n°: LSTA03938Z**

Print. Date **:27/05/2021**

Approved by : _____ *Code* **:** **00**

END OF REPORT

Calibration laboratory **: HEMINA S.p.A. div. LIBRA - via Piemonte , 2 35044 Montagnana (PD) – ITALY**
All the calibration procedure are according to internal Technical instruction n. IT176 and according to standard ISO 17025.
The Laboratory Traceability to national standards is guarantee by periodic calibration

MS1000

ISOMAG

FLOMOTION SYSTEMS

ELECTROMAGNETIC FLOWMETERS

Reliable full-pipe flow measurement with high accuracy, ease of installation and low operating cost



The MS1000 is available with Polypropylene, Ebonite or PTFE liner and local or remote mounted converter.

The MS1000 conforms to the requirements of NSF/ ANSI Standard 61 for for 1/2" to 80" sensors!

TYPICAL APPLICATIONS

- Water
- Polymers
- Wastewater
- Lime Slurries
- Dyes
- Process Chemicals
- Brine
- Caustics
- Slurries
- Acids
- Starches
- Paper Stock
- Concrete

MS100 FEATURES

- Accuracy to ±0.2% of rate from 1 to 33 ft/sec.
- Lower cost than flanged units.
- Twelve sizes from 1/2" to 16" Pipe Diameters.
- Flow ranges from 0.85 to 19,934 GPM.
- Pressure: 580 PSI. (PTFE Liner)
- Volumetric flow rate measurement independent of fluid viscosity, density and temperature.
- No moving parts for zero maintenance.
- Bi-directional flow measurement.
- No pressure drop through sensor.
- Standard integral ground electrode.
- Minimal straight pipe run required.
- Every sensor is factory wet-calibrated.



The MS1000 shown with new optional PTFE liner and stainless steel body.

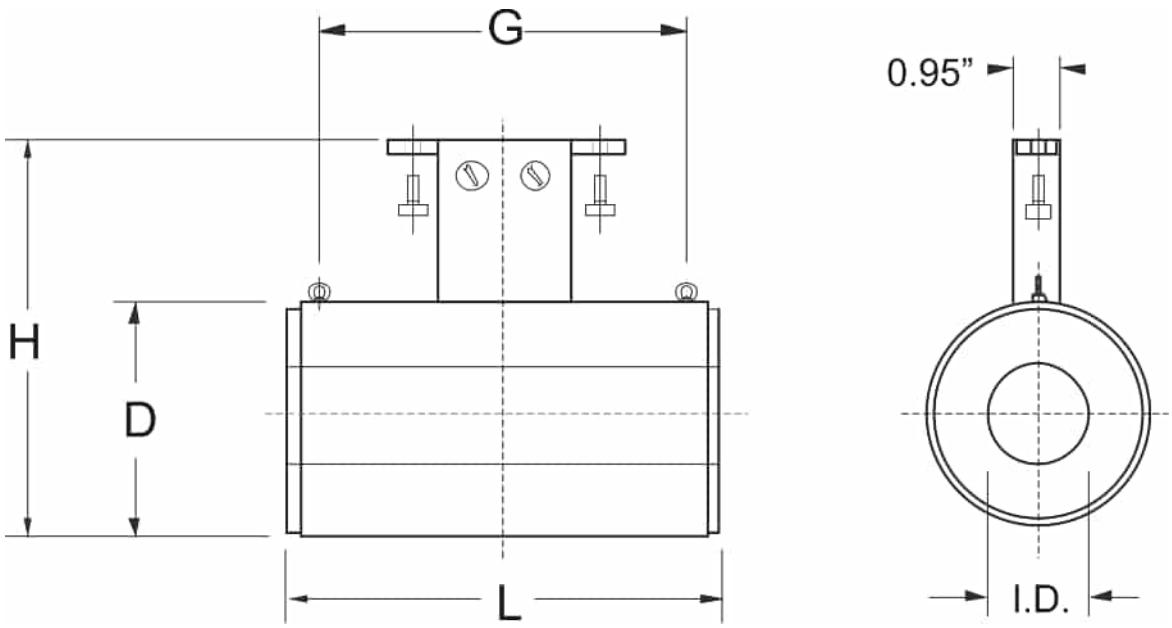
ELECTROMAGNETIC FLOWMETER

FLOMOTION MS1000 ENGINEERING SPECIFICATIONS

- Accuracy: See relevant converter data sheet
- Repeatability: ±0.1%
- Temperature (Liquid)
  - +32 to 140°F (PP)
  - +23 to 175°F (Ebonite)
  - -4 to 212°F (PTFE Compact)
  - -4 to 302°F (PTFE Remote)
- Pressure:
  - PP or Ebonite Liner: 230 PSI (Std.)
  - PTFE Liner: 580 PSI
- Liner Material: PTFE, Ebonite or Polypropylene
- Flow Tube: 304 S.S.
- Body Material: Carbon steel with two-part epoxy coating (S.S. optional)
- Electrode Material: 316 S.S.*
- Number of Electrodes: 3
- Environmental Rating: NEMA 6
- Fluid Conductivity: 5 µS/cm (min)
- Connections: Wafer tightened between flanges

AVAILABLE SIZES AND DIMENSIONS

I.D Size (in.)	1	1-1/2	2	3	4	6	8	10	12	14	16
Min Flow Rate (gpm @ 1 ft/sec)	2.4	6.08	9.49	24.30	37.97	85.44	151.9	341.8	237.3	465.2	607.6
Max Flow Rate (gpm @ 33 ft/sec)	77.9	199.3	311.5	797.4	1246	2803	4984	7787	11,213	15,262	19,934
Length (L below)	3.94	3.94	3.94	5.91	5.91	7.09	7.87	9.84	11.81	13.78	15.75
Height (H below)	5.79	6.34	6.97	8.23	9.25	11.46	14.25	16.42	18.39	20.75	22.80
Outside Dia. - (D below)	2.21	2.76	3.39	4.65	5.67	7.87	10.67	12.84	14.80	17.17	19.21
Lift Ring Distance - (G below)	-	-	-	-	-	-	5.67	7.64	9.61	11.58	13.54
Weight (lbs.)	2.7	4.0	4.4	8.4	11.0	18.1	40.1	52.9	59.5	70.6	86.0



FLOMOTION SYSTEMS Inc.
3 North Main St.
Middleport, NY 14105
Tel: 716-691-3941
Fax: 716-691-1253
Email: info@flomotionsystems.com
www.flomotionsystems.com

FLOMOTION SYSTEMS

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BUFFALO (NY) – USA 800-909-3569

Isoil Industria Spa
Via F.lli Gracchi. 27
20092 Cinisellllo Balsamo MI – Italy
Tel. +39 02 660271
Email : sales@isoil.it (International) or
vendite@isoil.it (domestic)
Web site: www.isoil.com

ISOMAG®

Calibration Report Of Electromagnetic Flow Meter ISOMAG® Series

Internal Reference **: 422011**
Order Confirmation **n°: OC22-03020**

Calibration Line **: 4**

DATI SENSORE / SENSOR DATA

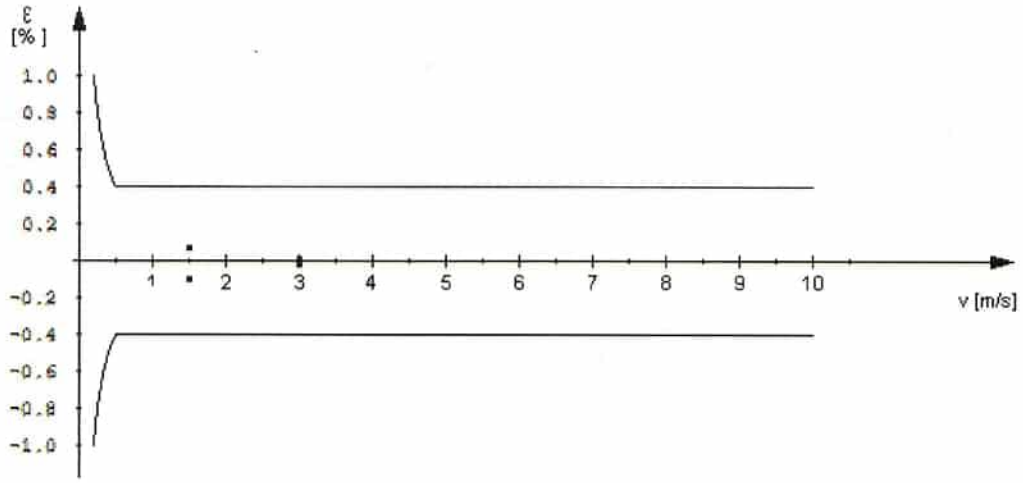
Sensor Model	**MS1000-P50-1A2A**
Serial Number	**02A002499**
NominalDiameter	**50**
Full scale	**20 dm3/s**
Coefficient Ka	**-1.6232**
Coefficient Kz	**-286**
Tag	

CONVERTER DATA

Converter Model	**MV110-B0A1B2A0A0A0**
Serial Number	**ABA016326**
Tag	

RISULTATI DELLA TARATURA / CALIBRATION RESULTS

N°	*Reference Meter*	*Test Time*	*Nominal Test Speed (DUT)*	*Ambient Temperature*	*Water Temperature*	*Reference Flow rate*	*Measured Flow rate(DUT)*	*Deviation*
	units	s	m/s	°C	°C	dm3/s	dm3/s	%
1	*L04M001*	60	3,001	15,4	16,8	6,0021369	6,0010365	-0,02
2	*L04M001*	60	3,000	15,4	16,8	5,9998625	6,0005962	0,01
3	*L04M001*	60	1,500	15,4	16,9	3,0001987	2,9973004	-0,10
4	*L04M001*	60	1,500	15,4	16,9	2,9996553	3,0016700	0,07



Report **n°: LSTA10392A**

Print. Date **:24/11/2022**

Approved by : _____ *Code* **:** **00**

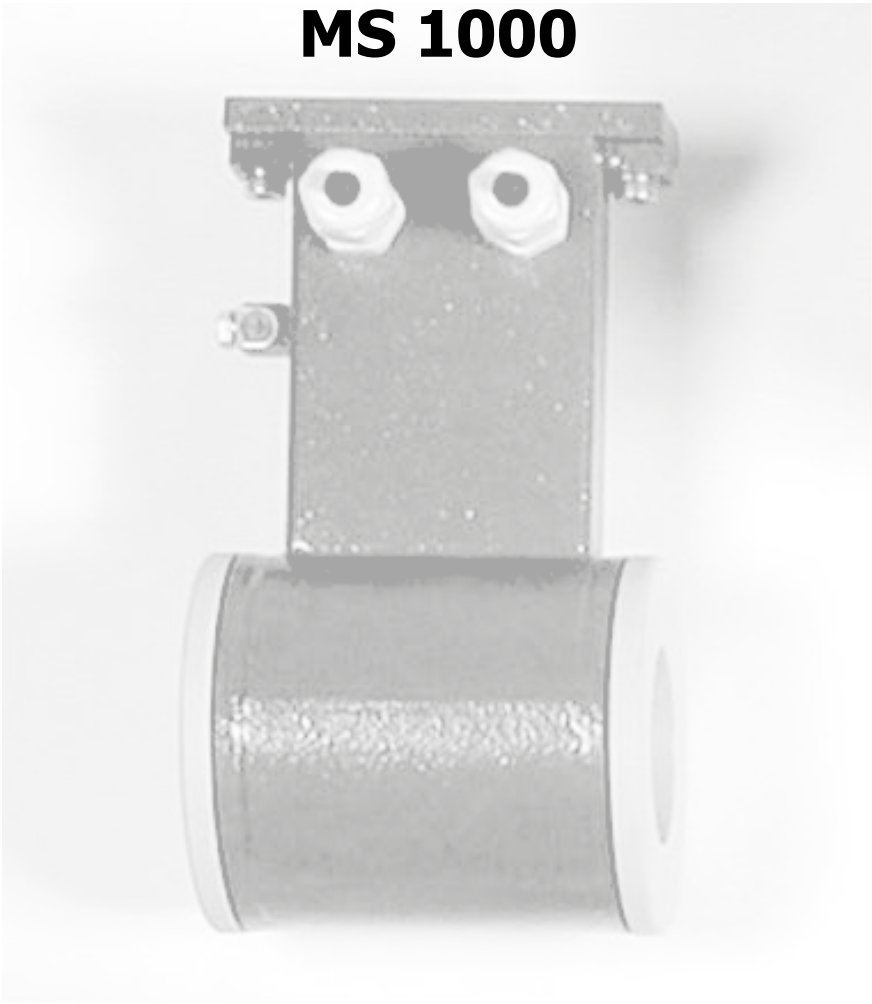
END OF REPORT

Calibration laboratory **: HEMINA S.p.A. div. LIBRA - via Piemonte , 2 35044 Montagnana (PD) – ITALY**

All the calibration procedure are according to internal Technical instruction n. IT176 and according to standard ISO 17025.
The Laboratory Traceability to national standards is guarantee by periodic calibration

INSTRUCTION MANUAL

MS 1000



CE

START UP AND MAINTENANCE OF THE INSTRUMENTS 1
INTRODUCTION 1
SAFETY 2
GENERAL INFORMATION ON THE SENSORS INSTALLATION 2
OVERALL DIMENSIONS 3
OPERATING TEMPERATURES 4
ELECTRICAL CONNECTIONS OF SENSOR TO CONVERTER 5
GROUNDING INSTRUCTIONS 6
TORQUES (NM) FOR WAFER SENSOR'S BOLTS 7
NOTES FOR PED DIRECTIVE FOR SENSOR 8
DECLARATION OF CONFORMITY TO EUROPEAN DIRECTIVE PED – 97/23/CE 9

INTRODUCTION

- This manual is integral part of the product. Read carefully the instructions contained since it contains important indications for the safety of use and of maintenance.
- The technical information and the relative products of this manual could be modified without any previous notice.
- The flow meter must be used for the use it has been built for. The improper use, possible tampering of the instrument or parts of it and substitutions of any components not original, makes the warranty to decay automatically.
- The manufacturer is considered responsible only if the instrument is used in its original configuration and setting.
- The flowmeter makes measures of liquids with conductivity greater than 5µS/cm; it consists of a sensor (described in this manual) and a converter, for it see the manual provided.
- If the sensor is supplied in compact version to the converter, consider the operating temperatures more restrictive, otherwise refer to the respective manuals (page 5).).
- When transporting, unpacking and handling the flowmeter, be careful and care.
- In the case of prolonged storage and of transport, use and store in the original container in a dry place, do not place more than 3 packs one above the other.
- It is possible pallets storage and transport (in case of wooden crates do not place one above the other).
- For the cleaning of the device use only a damp cloth, and for the maintenance/repairs, contact the customer service.
- For the disposal of the device and of the packaging make strict reference to the regulations
- It is forbidden the reproduction of the present manual and of possible software supplied with the instrument.

START UP AND MAINTENANCE OF THE INSTRUMENTS

- Before starting up the instrument, always make a sure connection to ground as suitable to page 6.
- Verify periodically: the cables integrity, the tightening of the sealing elements (cable glands, covers, etc.), the mechanical fixing of the instrument on the pipe or on the wall stand

SAFETY

Before using the instrument, always make a sure connection to the ground

Avoid any attempt to repair the instrument. If the instrument is not functioning properly, please call the nearest assistance service

Pay maximum attention during the operations

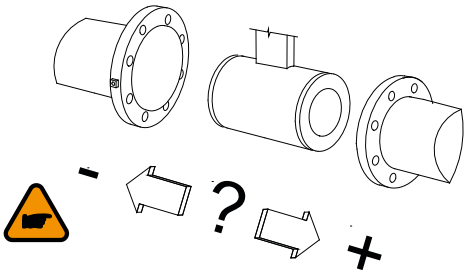
ATTENTION !!!

DANGER !!!

GENERAL INFORMATION ON THE SENSORS INSTALLATION

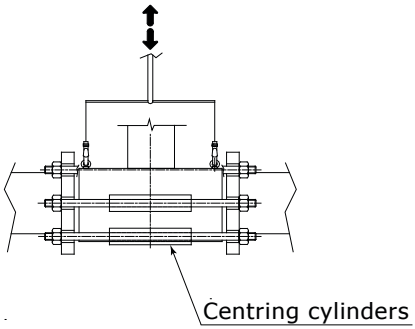
FLOW DIRECTION

Before install the sensor locate the direction of the liquid in the piping
The sign of the flow rate is positive, when the flow direction is from – to + as printed on the tag plate.
If after the installation, for plant request becomes necessary reverse the sign of the flow, it is enough reverse the sign of the coefficient KA

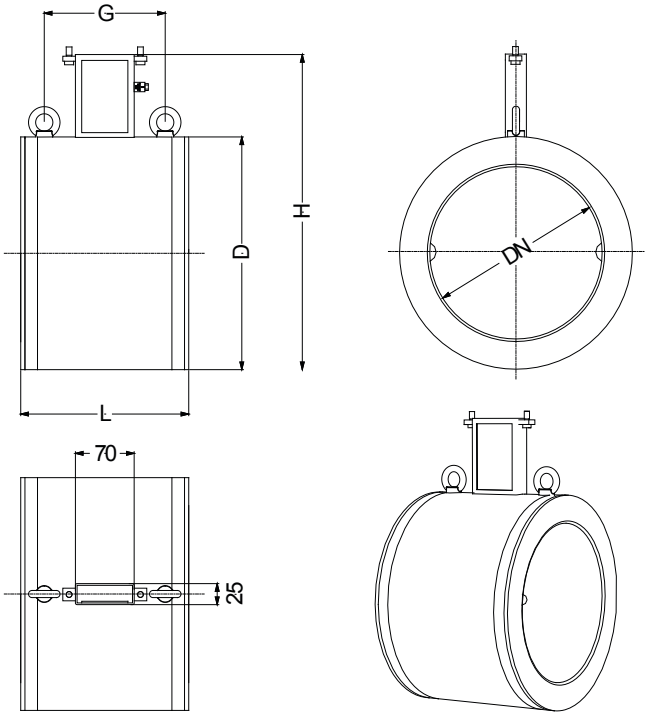


LIFTING SENSORS

The sensors with eyebolts must be lifted by the method shown below.
The eye-bolt are measured to sustain exclusively the weight of the meter

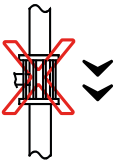
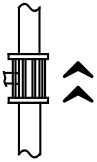
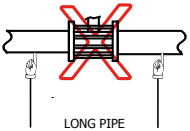
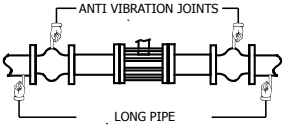
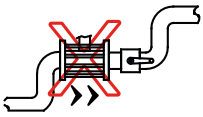
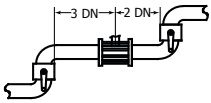
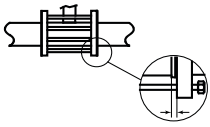


OVERALL DIMENSIONS



mm (inches)	DN													
	25 (1″)	**32 (1″ 1/4)**	**40 (1″ 1/2)**	**50 (2″)**	**65 (2″ 1/2)**	**80 (3″)**	**100 (4″)**	**125 (5″)**	**150 (6″)**	**200 (8″)**	**250 (10″)**	**300 (12″)**	**350 (14″)**	**400 (16″)**
L	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0
	-3 (-0.12)	-3 (-0.12)	-3 (-0.12)	-3 (-0.12)	-3 (-0.12)	-3 (-0.12)	-3 (-0.12)	-3 (-0.12)	-3 (-0.12)	-3 (-0.12)	-5 (-0.20)	-5 (-0.20)	-5 (-0.20)	-5 (-0.20)
	100 (3.94)	100 (3.94)	100 (3.94)	100 (3.94)	150 (5.90)	150 (5.90)	150 (5.90)	180 (7.09)	180 (7.09)	200 (7.87)	250 (9.84)	300 (11.81)	350 (13.78)	400 (15.75)
H	147 (5.79)	153 (6.02)	161 (6.34)	177 (6.97)	199 (7.83)	209 (8.23)	235 (9.25)	263 (10.35)	291 (11.46)	362 (14.25)	417 (16.42)	467 (18.39)	527 (20.75)	579 (22.80)
D	62 (2.20)	67 (2.44)	78 (2.76)	92 (3.39)	108 (4.25)	118 (4.65)	144 (5.67)	172 (6.77)	200 (7.87)	271 (10.67)	326 (12.83)	376 (14.80)	436 (17.17)	488 (19.21)
G	-	-	-	-	-	-	-	-	-	144 (5.67)	194 (7.64)	244 (9.60)	294 (11.57)	344 (13.54)
Weight kg (lbs)	1.2 (2.64)	1.6 (3.52)	1.8 (3.96)	2 (4.4)	3.6 (7.92)	3.8 (8.36)	5 (11)	7.8 (17.16)	8.2 (18)	18.2 (40)	24 (53)	27 (59)	32 (70)	39 (86)
Usable flanges	PTFE-EBONITE: PN10, PN16, PN25, PN40, ANSI150, ANSI,300 PP: PN10, PN16, ANSI150									PTFE-EBONITE: PN10, PN16, ANSI150				

SHREWDNESS AND PRECAUTIONS

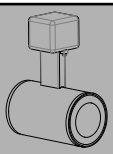
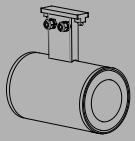
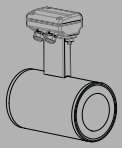
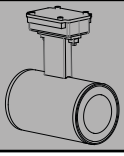
NO	YES
 For vertical installations with descending flow direction contact the manufacturer	 For vertical installations is preferable an ascending flow
 Avoid the installation of the sensor in a long pipe line,without any support of the same	 For installations on long pipe line, please use the anti vibration joints
 Avoid the functioning with the pipe partially empty	 During the functioning the pipe must be completely full of liquid, or completely empty
 Avoid the installation near curves or hydraulic accessories	 Install the sensor away from curves and hydraulic accessories
 Avoid the approach of the flange and counter flange using the closing force of the nuts	 Before tightening the nuts approach as more possible the flange of the piping to the flange of the sensor

OPERATING TEMPERATURES

	EBONITE LINING				PP LINING				PTFE LINING			
	Liquid temperature		Ambient temperature		Liquid temperature		Ambient temperature		Liquid temperature		Ambient temperature	
	Min.	Max	Min.	Max	Min.	Max	Min.	Max	Min.	Max	Min.	Max
°C	0	80	-5	60	0	60	0	60	-20	130	-10	60
°F	30	176	23	140	32	140	32	140	-4	266	14	140

ELECTRICAL CONNECTIONS OF SENSOR TO CONVERTER

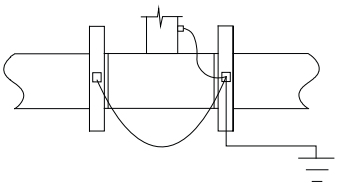
CONNECTIONS TO CONVERTER: SEE PROPER MANUAL

	VERSION	SUITABLE FOR	SENSOR'S CONNECTION
	COMPACT	ALL SENSORS MODEL	NO CONNECTIONS
	SEPARATE WITHOUT JUNCTIONS-BOX	STAINLESS STEEL MODEL	NO CONNECTIONS REQUIRED (CABLE ALREADY CONNECTED AND POTTED)
	SEPARATE WITH JUNCTIONS-BOX (WITH OR WITHOUT PREAMPLIFIER)	ALL CARBON STEEL MODELS	NO CONNECTIONS REQUIRED (CABLE ALREADY CONNECTED AND POTTED)
	SEPARATE WITH PREAMPLIFIER	ALL STAINLESS STEEL MODEL	NO CONNECTIONS REQUIRED (CABLE ALREADY CONNECTED AND POTTED)

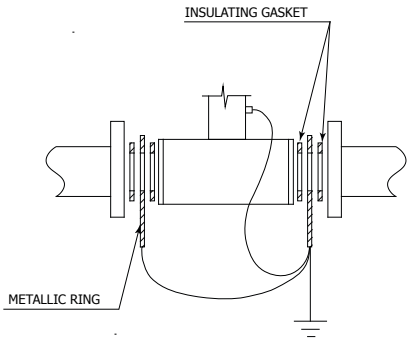
GROUNDING INSTRUCTIONS

For correct operation of the meter is NECESSARY that the sensor and the liquid are equipotential, so ALWAYS connect the sensor and converter to ground:

GROUNDING WITH METALLIC PIPE



GROUNDING WITH INSULATING PIPE



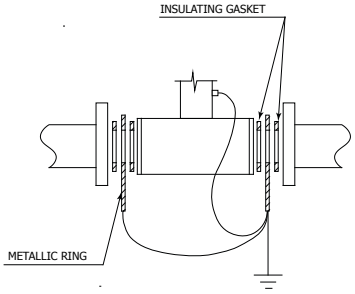
If the sensor has to be mounted on a pipe made of an insulating materials necessary:

- Install two metallic ring between the sensor flanges and the counter flanges of the pipe line

or

- Use a sensor with the additional grounding electrode

GROUNDING WHEN THERE IS A CATHODIC PROTECTION OVER THE PIPE



If the sensor must be install in the piping with a cathodic protection, is necessary:

- using insulating bushes to isolate the bolts
- Grounding metallic rings should be provided to ground the liquid using insulating gasket between the rings

IMPORTANT: The ripple of DC power source used for cathodic protection shall be = 0

TORQUES (NM) FOR WAFER SENSOR'S BOLTS

OPERATIVE PRESSURE			
Kpa	**1600**		**4000**
psi	**260**		**600**
DN	**EBON.**	**PP**	**PTFE**
25		19	25 [32]
32		28	43 [40]
40		36	53 [63]
50		52	68 [35]
65		75	45 [53]
80		41	53 [68]
100		56	83 [94]
125		71	112 [130]
150		106	135 [113]
200	288 (433)		
250	408 (455)		
300	510 (683)		
350	598 (946)		
400	821 (911)		

- Tighten uniformly in diagonally opposite sequence
- The torque listed in tab are applicable to flanges: EN1092-1, DIN2501, BS4504, ANSI B16.5, JIS
- Is recommended the use of gaskets DIN 2690
- (***)= FOR SENSORS ON ANSI 150 FLANGES
- [***]= FOR SENSORS ANSI 300 FLANGES

NOTES FOR PED DIRECTIVE FOR SENSOR

Here below the tables of products subject to Directive 97/23/EC.
The models are : MS1000/MS2410/MS2500.
The tables show which category of PED is applicable according to the water operating temperature (TAB A T <110 ° C TAB B T> = 110 ° C), sensor's DN and its nominal pressure.

TAB. A
PED DIRECTIVE FOR WATER WITH TEMPERATURE <110°C
ALL LINING : PP, EBONITE,PTFE

DN	NOMINAL PRESSURE (PN)			
	10	16	25	40
25	USE PN 40			E
32				E
40				E
50	USE PN 16	E	USE PN 40	E
65		E		E
80		E		E
100		E		E
125		E		E
150		E		E
200	E	E	E	E
250	I	I	I	I
300	I	I	I	I
350	I	I	I	I
400	I	I	I	I
450	I	I	I	I
500	I	I	I	I
600	I	I	I	I
700	I	I	I	I
800	I	I	I	I
900	I	I	I	I
1000	I	I	I	I
1200	I	I	I	I
1300	I	I	I	I
1400	I	I	I	I
1500	I	I	I	I
1600	I	I	I	I
1700	I	I	I	I
1800	I	I	I	I
2000	I	I	I	I
2400	I	I	I	I

TAB. B
PED DIRECTIVE FOR WATER WITH TEMPERATURE >=110°C
ONLY PTFE LINING

DN	NOMINAL PRESSURE (PN)			
	10	16	25	40
25	USE PN 40			E
32				E
40				II
50	USE PN 16	I	USE PN 40	II
65		I		II
80		I		II
100		I		II
125		I		II
150		I		II
200	I	I	II	II
250	I	II	II	II
300	I	II	III	III
350	I	III	III	III
400	II	III	III	III
450	II	III	III	III
500	II	III	III	III

LEGENDA

E	**OUT OF DIRECTIVE**
I	**PED CAT. I**
II	**PED CAT. II**
III	**PED CAT. III**

For products that falls in category I, is valid the declaration of conformity available on the following page; the products in Category II and III are supplied with a specific declaration of conformity for each instrument

DECLARATION OF CONFORMITY TO EUROPEAN DIRECTIVE PED – 97/23/CE

Prepared in accordance with Annex VII Legislative Decree no. 93 of 25 February 2000 transposing Directive no. 97/23/EC

Description of the product	Misuratore di portata di liquidi del gruppo 2 Temperatura massima del liquido 110°C
Model family	MS 2500 – MS1000 – MS2410

Conformity assessment procedure applied	Allegato II - categoria I - Modulo A
Standard reference	UNI EN 13480-3

Hemina declares that the equipment specified above model should fall within the scope of the Directive, are:

- comply with the requirements of Directive 97/23/EC - PED and DL 93/2000 which transposes in Italy

Identification and signature of the legal representative:
Roberto Guazzoni – President of Board of Directors



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E-mail: **isomagservice@isoil.it**

ISOIL INDUSTRIA

The solutions that count



APPENDIX E DATA USABILITY SUMMARY REPORTS

ENVIRONMENTAL
Data Services, Inc.

DATA USABILITY SUMMARY REPORT (DUSR)

Site: Former Leica, Inc. Site, Cheektowaga, NY Date: June 20, 2024

SDG : 480-219702-1

Laboratory: Eurofins Test America, Buffalo, New York

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	MW-41A-20240507-01	480-219702-1	Water
1MS	MW-41A-20240507-01MS	480-219702-1MS	Water
1MSD	MW-41A-20240507-01MSD	480-219702-1MSD	Water
2	MW-47-20240508-01	480-219702-2	Water
3	MW-44A-20240508-01	480-219702-3	Water
4	MW-45A-20240508-01	480-219702-4	Water
5	MW-41-20240508-01	480-219702-5	Water
6	MW-43A-20240508-01	480-219702-6	Water
7	MW-44-20240508-01	480-219702-7	Water
8	MW-42A-20240507-01	480-219702-8	Water
9	STANS-DUP-20240508-01	480-219702-9	Water
10	MW-40A-20240507-01	480-219702-10	Water
11	STANS-EB-20240507-01	480-219702-11	Water
12	STANS-TB-20240507-01	480-219702-12	Water
13	DUP-02-20240508-01	480-219702-13	Water
14	MW-39-20240509-01	480-219702-14	Water
15	MW-34-20240509-01	480-219702-15	Water
16	MW-25-20240509-01	480-219702-16	Water
17	EB-01-20240506-01	480-219702-17	Water
18	EB-02-20240507-01	480-219702-18	Water
19	TB-01-20240506-01	480-219702-19	Water
20	TB-02-20240507-01	480-219702-20	Water
21	MW-31-20240508-1	480-219702-21	Water
22	MW-27-20240508-1	480-219702-22	Water
23	MW-51-20240508-1	480-219702-23	Water
24	MW-23-20240508-1	480-219702-24	Water
25	MW-33A20240508-01	480-219702-25	Water
26	DUP-01-20240508-01	480-219702-26	Water
27	MW-35A-20240507-01	480-219702-27	Water
28	MW-31D-20240508-01	480-219702-28	Water
29	MW-28A-20240508-01	480-219702-29	Water
29MS	MW-28A-20240508-01MS	480-219702-29MS	Water
29MSD	MW-28A-20240508-01MSD	480-219702-29MSD	Water
30	MW-28-20240508-01	480-219702-30	Water
31	MW-38A-20240508-01	480-219702-31	Water
32	MW-54-20240506-01	480-219702-32	Water
33	MW-53-20240506-01	480-219702-33	Water
34	MW-29A-20240508-01	480-219702-34	Water

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
35	MW-34A-20240507-01	480-219702-35	Water
36	MW-52-20240508-01	480-219702-36	Water
37	MW-26-20240508-01	480-219702-37	Water
38	MW-6A-2040508-01	480-219702-38	Water
39	MW-25A-20240508-01	480-219702-39	Water
40	MW-27A-20240508-01	480-219702-40	Water
40MS	MW-27A-20240508-01MS	480-219702-40MS	Water
40MSD	MW-27A-20240508-01MSD	480-219702-40MSD	Water
41	MW-29-20240508-01	480-219702-41	Water
42	MW-48-20240508-01	480-219702-42	Water
43	MW-26A-20240808-01	480-219702-43	Water
45	MW-21A-20240508-01	480-219702-45	Water
46	MW-36-20240508-01	480-219702-46	Water
47	MW-49-20240506-01	480-219702-47	Water
48	MW-50-20240506-01	480-219702-48	Water
49	MW-11A-20240507-01	480-219702-49	Water
50	MW-7-20240508-01	480-219702-50	Water
51	MW-21-20240508-01	480-219702-51	Water
52	MW-14-20240508-01	480-219702-52	Water
54	MW-37A-02040507-01	480-219702-54	Water

Note (s): The laboratory reports positively identified results between the reporting limit (RL) and the method detection limit (MDL) with a J. These results are considered estimated, however still valid and useable for project objectives.

VOLATILE ORGANIC COMPOUNDS (VOCs)

USEPA SW-846 Method 8260C

The analytical method, the NYSDEC ASP, the USEPA CLP National Functional Guidelines for Organic Data Review (November 2020), and the reviewer's professional judgment were used in evaluating the data in this summary report.

Holding Times (HT) - All HT criteria were met.

Surrogates - All samples exhibited acceptable surrogate percent recoveries (%R).

Laboratory Control Sample (LCS) - All %Rs met QC criteria.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) – The MS/MSD samples exhibited acceptable percent recoveries (%R) and RPD values except for the following.

MS/MSD Sample ID	Compound	MS %R/MSD %R/RPD	Qualifier
29	1,2-Dichloropropane	OK/121%/OK	ND
	Chlorobenzene	OK/121%/OK	
	Tetrachloroethene	OK/125%/OK	

Method Blank (MB) - The method blanks were free of contamination.

Equipment Blank (EB)/Trip Blank (TB) - The equipment blanks and trip blanks exhibited the following contamination.

Blank ID	Compound	Conc. ug/L	Qualifier	Affected Samples
STANS-EB-20240507-01	None	ND	-	-
STANS-TB-20240507-01	None	ND	-	-
EB-01-20240506-01	None	ND	-	-
EB-02-20240507-01	None	ND	-	-
TB-01-20240506-01	None	ND	-	-
TB-02-20240507-01	None	ND	-	-

GC/MS Tuning - The instrument tunes met QC criteria.

Initial Calibration (ICAL) - The initial calibrations exhibited acceptable %RSD and/or correlation coefficients and mean RRF values.

Continuing Calibration (CCAL) - The continuing calibrations exhibited acceptable percent difference (%D) and RRF values except for the following.

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
5/10/24 (2322)	Dichlorobromomethane	24.3%	UJ	19, 20, 32, 35

Internal Standard (IS) Area Performance - All internal standards met area response and retention time (RT) criteria.

Blind Field Duplicate - The field duplicate samples exhibited acceptable precision.

Compound	MW-44A-20240508-01 ug/L	STANS-DUP-20240508-01 ug/L	RPD	Qualifier
Carbon disulfide	ND	5.6	NC	None
cis-1,2-Dichloroethene	99	110	11%	
Vinyl Chloride	270	270	0%	

Compound	DUP-02-20240508-01 ug/L	MW-6A-2040508-01 ug/L	RPD	Qualifier
1,1-Dichloroethane	7.3	5.4	30%	None
1,1-Dichloroethene	6.9	4.6	40%	
cis-1,2-Dichloroethene	760	710	7%	
trans-1,2-Dichloroethene	12	ND	NC	
Trichloroethene	290	270	7%	
Vinyl chloride	55	42	27%	

Compound	DUP-01-20240508-01 ug/L	MW-52-20240508-01 ug/L	RPD	Qualifier
1,1-Dichloroethene	0.35	ND	NC	None
Carbon disulfide	0.38	ND	NC	
cis-1,2-Dichloroethene	66	77	15%	
Trichloroethene	13	12	8%	
Vinyl chloride	62	59	5%	

Sample Analysis - Several samples were analyzed at various dilutions due to high concentrations of target compounds and/or foaming. The reporting limits were adjusted accordingly. No action was required.

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limits is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1

SDG No.:

Client Sample ID: MW-41A-20240507-01 | Lab Sample ID: 480-219702-1

Matrix: Water | Lab File ID: D2477.d

Analysis Method: 8260C | Date Collected: 05/08/2024 13:05

Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 02:06

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711535 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

MF 6/20/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1

SDG No.:

Client Sample ID: MW-41A-20240507-01 | Lab Sample ID: 480-219702-1

Matrix: Water | Lab File ID: D2477.d

Analysis Method: 8260C | Date Collected: 05/08/2024 13:05

Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 02:06

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711535 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	98		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		77-120
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
1868-53-7	Dibromofluoromethane (Surr)	102		75-123

MR 6/24/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1

SDG No.:

Client Sample ID: MW-47-20240508-01 | Lab Sample ID: 480-219702-2

Matrix: Water | Lab File ID: D2478.d

Analysis Method: 8260C | Date Collected: 05/07/2024 11:25

Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 02:28

Soil Aliquot Vol: | Dilution Factor: 40

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711535 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		40	33
79-34-5	1,1,2,2-Tetrachloroethane	ND		40	8.4
79-00-5	1,1,2-Trichloroethane	ND		40	9.2
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		40	12
75-34-3	1,1-Dichloroethane	ND		40	15
75-35-4	1,1-Dichloroethene	ND		40	12
120-82-1	1,2,4-Trichlorobenzene	ND		40	16
96-12-8	1,2-Dibromo-3-Chloropropane	ND		40	16
95-50-1	1,2-Dichlorobenzene	ND		40	32
107-06-2	1,2-Dichloroethane	ND		40	8.4
78-87-5	1,2-Dichloropropane	ND		40	29
541-73-1	1,3-Dichlorobenzene	ND		40	31
106-46-7	1,4-Dichlorobenzene	ND		40	34
78-93-3	2-Butanone (MEK)	ND		400	53
591-78-6	2-Hexanone	ND		200	50
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		200	84
67-64-1	Acetone	ND		400	120
71-43-2	Benzene	ND		40	16
75-27-4	Dichlorobromomethane	ND		40	16
75-25-2	Bromoform	ND		40	10
74-83-9	Bromomethane	ND		40	28
75-15-0	Carbon disulfide	ND		40	7.6
56-23-5	Carbon tetrachloride	ND		40	11
108-90-7	Chlorobenzene	ND		40	30
124-48-1	Chlorodibromomethane	ND		40	13
75-00-3	Chloroethane	ND		40	13
67-66-3	Chloroform	ND		40	14
74-87-3	Chloromethane	ND		40	14
156-59-2	cis-1,2-Dichloroethene	830		40	32
10061-01-5	cis-1,3-Dichloropropene	ND		40	14
110-82-7	Cyclohexane	ND		40	7.2
75-71-8	Dichlorodifluoromethane	ND		40	27
100-41-4	Ethylbenzene	ND		40	30

MT 6/24/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1

SDG No.:

Client Sample ID: MW-47-20240508-01 | Lab Sample ID: 480-219702-2

Matrix: Water | Lab File ID: D2478.d

Analysis Method: 8260C | Date Collected: 05/07/2024 11:25

Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 02:28

Soil Aliquot Vol: | Dilution Factor: 40

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711535 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		40	29
98-82-8	Isopropylbenzene	ND		40	32
79-20-9	Methyl acetate	ND		100	52
1634-04-4	Methyl tert-butyl ether	ND		40	6.4
108-87-2	Methylcyclohexane	ND		40	6.4
75-09-2	Methylene Chloride	ND		40	18
100-42-5	Styrene	ND		40	29
127-18-4	Tetrachloroethene	ND		40	14
108-88-3	Toluene	ND		40	20
156-60-5	trans-1,2-Dichloroethene	ND		40	36
10061-02-6	trans-1,3-Dichloropropene	ND		40	15
79-01-6	Trichloroethene	ND		40	18
75-69-4	Trichlorofluoromethane	ND		40	35
75-01-4	Vinyl chloride	120		40	36
1330-20-7	Xylenes, Total	ND		80	26

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		77-120
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120
1868-53-7	Dibromofluoromethane (Surr)	104		75-123

MR 5/15/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1

SDG No.:

Client Sample ID: MW-44A-20240508-01 | Lab Sample ID: 480-219702-3

Matrix: Water | Lab File ID: D2479.d

Analysis Method: 8260C | Date Collected: 05/08/2024 11:30

Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 02:50

Soil Aliquot Vol: | Dilution Factor: 4

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711535 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		4.0	3.3
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.0	0.84
79-00-5	1,1,2-Trichloroethane	ND		4.0	0.92
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2
75-34-3	1,1-Dichloroethane	ND		4.0	1.5
75-35-4	1,1-Dichloroethene	ND		4.0	1.2
120-82-1	1,2,4-Trichlorobenzene	ND		4.0	1.6
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.0	1.6
95-50-1	1,2-Dichlorobenzene	ND		4.0	3.2
107-06-2	1,2-Dichloroethane	ND		4.0	0.84
78-87-5	1,2-Dichloropropane	ND		4.0	2.9
541-73-1	1,3-Dichlorobenzene	ND		4.0	3.1
106-46-7	1,4-Dichlorobenzene	ND		4.0	3.4
78-93-3	2-Butanone (MEK)	ND		40	5.3
591-78-6	2-Hexanone	ND		20	5.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		20	8.4
67-64-1	Acetone	ND		40	12
71-43-2	Benzene	ND		4.0	1.6
75-27-4	Dichlorobromomethane	ND		4.0	1.6
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		4.0	2.8
75-15-0	Carbon disulfide	ND		4.0	0.76
56-23-5	Carbon tetrachloride	ND		4.0	1.1
108-90-7	Chlorobenzene	ND		4.0	3.0
124-48-1	Chlorodibromomethane	ND		4.0	1.3
75-00-3	Chloroethane	ND		4.0	1.3
67-66-3	Chloroform	ND		4.0	1.4
74-87-3	Chloromethane	ND		4.0	1.4
156-59-2	cis-1,2-Dichloroethene	99		4.0	3.2
10061-01-5	cis-1,3-Dichloropropene	ND		4.0	1.4
110-82-7	Cyclohexane	ND		4.0	0.72
75-71-8	Dichlorodifluoromethane	ND		4.0	2.7
100-41-4	Ethylbenzene	ND		4.0	3.0

mr 6/20/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1
SDG No.:
Client Sample ID: MW-44A-20240508-01 | Lab Sample ID: 480-219702-3
Matrix: Water | Lab File ID: D2479.d
Analysis Method: 8260C | Date Collected: 05/08/2024 11:30
Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 02:50
Soil Aliquot Vol: | Dilution Factor: 4
Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)
Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:
% Moisture: % Solids: | Level: (low/med) Low
Analysis Batch No.: 711535 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		4.0	2.9
98-82-8	Isopropylbenzene	ND		4.0	3.2
79-20-9	Methyl acetate	ND		10	5.2
1634-04-4	Methyl tert-butyl ether	ND		4.0	0.64
108-87-2	Methylcyclohexane	ND		4.0	0.64
75-09-2	Methylene Chloride	ND		4.0	1.8
100-42-5	Styrene	ND		4.0	2.9
127-18-4	Tetrachloroethene	ND		4.0	1.4
108-88-3	Toluene	ND		4.0	2.0
156-60-5	trans-1,2-Dichloroethene	ND		4.0	3.6
10061-02-6	trans-1,3-Dichloropropene	ND		4.0	1.5
79-01-6	Trichloroethene	ND		4.0	1.8
75-69-4	Trichlorofluoromethane	ND		4.0	3.5
75-01-4	Vinyl chloride	270		4.0	3.6
1330-20-7	Xylenes, Total	ND		8.0	2.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		77-120
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123

mr 6/20/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1

SDG No.:

Client Sample ID: MW-45A-20240508-01 | Lab Sample ID: 480-219702-4

Matrix: Water | Lab File ID: D2480.d

Analysis Method: 8260C | Date Collected: 05/08/2024 13:55

Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 03:13

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711535 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.44	J	1.0	0.31
75-34-3	1,1-Dichloroethane	1.7		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	16		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

MT 6/20/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1
SDG No.:
Client Sample ID: MW-45A-20240508-01 | Lab Sample ID: 480-219702-4
Matrix: Water | Lab File ID: D2480.d
Analysis Method: 8260C | Date Collected: 05/08/2024 13:55
Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 03:13
Soil Aliquot Vol: | Dilution Factor: 1
Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)
Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:
% Moisture: % Solids: | Level: (low/med) Low
Analysis Batch No.: 711535 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	21		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	98		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		77-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123

MR 6/24/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1
SDG No.:
Client Sample ID: MW-41-20240508-01 | Lab Sample ID: 480-219702-5
Matrix: Water | Lab File ID: D2481.d
Analysis Method: 8260C | Date Collected: 05/08/2024 09:00
Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 03:35
Soil Aliquot Vol: | Dilution Factor: 1
Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)
Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:
% Moisture: % Solids: | Level: (low/med) Low
Analysis Batch No.: 711535 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

MLT 6/24/24

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FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1

SDG No.:

Client Sample ID: MW-41-20240508-01 | Lab Sample ID: 480-219702-5

Matrix: Water | Lab File ID: D2481.d

Analysis Method: 8260C | Date Collected: 05/08/2024 09:00

Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 03:35

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711535 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		77-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123

MT 6/20/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1

SDG No.:

Client Sample ID: MW-43A-20240508-01 | Lab Sample ID: 480-219702-6

Matrix: Water | Lab File ID: D2482.d

Analysis Method: 8260C | Date Collected: 05/08/2024 10:15

Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 03:57

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711535 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	1.8		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

MF 6/20/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1

SDG No.:

Client Sample ID: MW-43A-20240508-01 | Lab Sample ID: 480-219702-6

Matrix: Water | Lab File ID: D2482.d

Analysis Method: 8260C | Date Collected: 05/08/2024 10:15

Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 03:57

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711535 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		77-120
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123

MT 6/20/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1

SDG No.:

Client Sample ID: MW-44-20240508-01 | Lab Sample ID: 480-219702-7

Matrix: Water | Lab File ID: D2483.d

Analysis Method: 8260C | Date Collected: 05/08/2024 13:15

Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 04:19

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711535 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

MT 6/21/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1

SDG No.:

Client Sample ID: MW-44-20240508-01 | Lab Sample ID: 480-219702-7

Matrix: Water | Lab File ID: D2483.d

Analysis Method: 8260C | Date Collected: 05/08/2024 13:15

Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 04:19

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711535 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
1868-53-7	Dibromofluoromethane (Surr)	102		75-123

MT 6/20/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1
SDG No.:
Client Sample ID: MW-42A-20240507-01 | Lab Sample ID: 480-219702-8
Matrix: Water | Lab File ID: D2484.d
Analysis Method: 8260C | Date Collected: 05/07/2024 14:30
Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 04:41
Soil Aliquot Vol: | Dilution Factor: 1
Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)
Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:
% Moisture: % Solids: | Level: (low/med) Low
Analysis Batch No.: 711535 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.32	J	1.0	0.31
75-34-3	1,1-Dichloroethane	1.6		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	6.5		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

MF 6/20/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1

SDG No.:

Client Sample ID: MW-42A-20240507-01 | Lab Sample ID: 480-219702-8

Matrix: Water | Lab File ID: D2484.d

Analysis Method: 8260C | Date Collected: 05/07/2024 14:30

Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 04:41

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711535 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	14		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		77-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
1868-53-7	Dibromofluoromethane (Surr)	104		75-123

MT 6/20/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1

SDG No.:

Client Sample ID: STANS-DUP-20240508-01 | Lab Sample ID: 480-219702-9

Matrix: Water | Lab File ID: D2485.d

Analysis Method: 8260C | Date Collected: 05/08/2024 12:00

Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 05:04

Soil Aliquot Vol: | Dilution Factor: 4

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711535 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		4.0	3.3
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.0	0.84
79-00-5	1,1,2-Trichloroethane	ND		4.0	0.92
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2
75-34-3	1,1-Dichloroethane	ND		4.0	1.5
75-35-4	1,1-Dichloroethene	ND		4.0	1.2
120-82-1	1,2,4-Trichlorobenzene	ND		4.0	1.6
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.0	1.6
95-50-1	1,2-Dichlorobenzene	ND		4.0	3.2
107-06-2	1,2-Dichloroethane	ND		4.0	0.84
78-87-5	1,2-Dichloropropane	ND		4.0	2.9
541-73-1	1,3-Dichlorobenzene	ND		4.0	3.1
106-46-7	1,4-Dichlorobenzene	ND		4.0	3.4
78-93-3	2-Butanone (MEK)	ND		40	5.3
591-78-6	2-Hexanone	ND		20	5.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		20	8.4
67-64-1	Acetone	ND		40	12
71-43-2	Benzene	ND		4.0	1.6
75-27-4	Dichlorobromomethane	ND		4.0	1.6
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		4.0	2.8
75-15-0	Carbon disulfide	5.6		4.0	0.76
56-23-5	Carbon tetrachloride	ND		4.0	1.1
108-90-7	Chlorobenzene	ND		4.0	3.0
124-48-1	Chlorodibromomethane	ND		4.0	1.3
75-00-3	Chloroethane	ND		4.0	1.3
67-66-3	Chloroform	ND		4.0	1.4
74-87-3	Chloromethane	ND		4.0	1.4
156-59-2	cis-1,2-Dichloroethene	110		4.0	3.2
10061-01-5	cis-1,3-Dichloropropene	ND		4.0	1.4
110-82-7	Cyclohexane	ND		4.0	0.72
75-71-8	Dichlorodifluoromethane	ND		4.0	2.7
100-41-4	Ethylbenzene	ND		4.0	3.0

MT 6/20/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1
SDG No.:
Client Sample ID: STANS-DUP-20240508-01 | Lab Sample ID: 480-219702-9
Matrix: Water | Lab File ID: D2485.d
Analysis Method: 8260C | Date Collected: 05/08/2024 12:00
Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 05:04
Soil Aliquot Vol: | Dilution Factor: 4
Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)
Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:
% Moisture: % Solids: | Level: (low/med) Low
Analysis Batch No.: 711535 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		4.0	2.9
98-82-8	Isopropylbenzene	ND		4.0	3.2
79-20-9	Methyl acetate	ND		10	5.2
1634-04-4	Methyl tert-butyl ether	ND		4.0	0.64
108-87-2	Methylcyclohexane	ND		4.0	0.64
75-09-2	Methylene Chloride	ND		4.0	1.8
100-42-5	Styrene	ND		4.0	2.9
127-18-4	Tetrachloroethene	ND		4.0	1.4
108-88-3	Toluene	ND		4.0	2.0
156-60-5	trans-1,2-Dichloroethene	ND		4.0	3.6
10061-02-6	trans-1,3-Dichloropropene	ND		4.0	1.5
79-01-6	Trichloroethene	ND		4.0	1.8
75-69-4	Trichlorofluoromethane	ND		4.0	3.5
75-01-4	Vinyl chloride	270		4.0	3.6
1330-20-7	Xylenes, Total	ND		8.0	2.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		77-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
1868-53-7	Dibromofluoromethane (Surr)	104		75-123

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FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1

SDG No.:

Client Sample ID: MW-40A-20240507-01 | Lab Sample ID: 480-219702-10

Matrix: Water | Lab File ID: D2486.d

Analysis Method: 8260C | Date Collected: 05/07/2024 11:10

Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 05:26

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711535 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	1.6		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	0.85	J	1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

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FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo Job No.: 480-219702-1

SDG No.:

Client Sample ID: MW-40A-20240507-01 Lab Sample ID: 480-219702-10

Matrix: Water Lab File ID: D2486.d

Analysis Method: 8260C Date Collected: 05/07/2024 11:10

Sample wt/vol: 5(mL) Date Analyzed: 05/11/2024 05:26

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 711535 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	7.4		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		77-120
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
1868-53-7	Dibromofluoromethane (Surr)	104		75-123

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FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1

SDG No.:

Client Sample ID: STANS-EB-20240507-01 | Lab Sample ID: 480-219702-11

Matrix: Water | Lab File ID: D2487.d

Analysis Method: 8260C | Date Collected: 05/07/2024 08:00

Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 05:48

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711535 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

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FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

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Lab Name: Eurofins Buffalo Job No.: 480-219702-1

SDG No.:

Client Sample ID: STANS-EB-20240507-01 Lab Sample ID: 480-219702-11

Matrix: Water Lab File ID: D2487.d

Analysis Method: 8260C Date Collected: 05/07/2024 08:00

Sample wt/vol: 5(mL) Date Analyzed: 05/11/2024 05:48

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 711535 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		77-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
1868-53-7	Dibromofluoromethane (Surr)	104		75-123

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FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo Job No.: 480-219702-1
SDG No.:
Client Sample ID: STANS-TB-20240507-01 Lab Sample ID: 480-219702-12
Matrix: Water Lab File ID: D2488.d
Analysis Method: 8260C Date Collected: 05/07/2024 07:30
Sample wt/vol: 5(mL) Date Analyzed: 05/11/2024 06:10
Soil Aliquot Vol: Dilution Factor: 1
Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)
Purge Volume: 5.0(mL) Heated Purge: (Y/N) N pH:
% Moisture: % Solids: Level: (low/med) Low
Analysis Batch No.: 711535 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

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FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1
SDG No.:
Client Sample ID: STANS-TB-20240507-01 | Lab Sample ID: 480-219702-12
Matrix: Water | Lab File ID: D2488.d
Analysis Method: 8260C | Date Collected: 05/07/2024 07:30
Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 06:10
Soil Aliquot Vol: | Dilution Factor: 1
Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)
Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:
% Moisture: % Solids: | Level: (low/med) Low
Analysis Batch No.: 711535 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		77-120
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1

SDG No.:

Client Sample ID: DUP-02-20240508-01 | Lab Sample ID: 480-219702-13

Matrix: Water | Lab File ID: S8565.d

Analysis Method: 8260C | Date Collected: 05/08/2024 12:05

Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 16:21

Soil Aliquot Vol: | Dilution Factor: 10

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711639 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		10	8.2
79-34-5	1,1,2,2-Tetrachloroethane	ND		10	2.1
79-00-5	1,1,2-Trichloroethane	ND		10	2.3
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1
75-34-3	1,1-Dichloroethane	7.3	J	10	3.8
75-35-4	1,1-Dichloroethene	6.9	J	10	2.9
120-82-1	1,2,4-Trichlorobenzene	ND		10	4.1
96-12-8	1,2-Dibromo-3-Chloropropane	ND		10	3.9
95-50-1	1,2-Dichlorobenzene	ND		10	7.9
107-06-2	1,2-Dichloroethane	ND		10	2.1
78-87-5	1,2-Dichloropropane	ND		10	7.2
541-73-1	1,3-Dichlorobenzene	ND		10	7.8
106-46-7	1,4-Dichlorobenzene	ND		10	8.4
78-93-3	2-Butanone (MEK)	ND		100	13
591-78-6	2-Hexanone	ND		50	12
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		50	21
67-64-1	Acetone	ND		100	30
71-43-2	Benzene	ND		10	4.1
75-27-4	Dichlorobromomethane	ND		10	3.9
75-25-2	Bromoform	ND		10	2.6
74-83-9	Bromomethane	ND		10	6.9
75-15-0	Carbon disulfide	ND		10	1.9
56-23-5	Carbon tetrachloride	ND		10	2.7
108-90-7	Chlorobenzene	ND		10	7.5
124-48-1	Chlorodibromomethane	ND		10	3.2
75-00-3	Chloroethane	ND		10	3.2
67-66-3	Chloroform	ND		10	3.4
74-87-3	Chloromethane	ND		10	3.5
156-59-2	cis-1,2-Dichloroethene	760		10	8.1
10061-01-5	cis-1,3-Dichloropropene	ND		10	3.6
110-82-7	Cyclohexane	ND		10	1.8
75-71-8	Dichlorodifluoromethane	ND		10	6.8
100-41-4	Ethylbenzene	ND		10	7.4

MT 6/6/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1
SDG No.:
Client Sample ID: DUP-02-20240508-01 | Lab Sample ID: 480-219702-13
Matrix: Water | Lab File ID: S8565.d
Analysis Method: 8260C | Date Collected: 05/08/2024 12:05
Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 16:21
Soil Aliquot Vol: | Dilution Factor: 10
Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)
Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:
% Moisture: % Solids: | Level: (low/med) Low
Analysis Batch No.: 711639 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		10	7.3
98-82-8	Isopropylbenzene	ND		10	7.9
79-20-9	Methyl acetate	ND		25	13
1634-04-4	Methyl tert-butyl ether	ND		10	1.6
108-87-2	Methylcyclohexane	ND		10	1.6
75-09-2	Methylene Chloride	ND		10	4.4
100-42-5	Styrene	ND		10	7.3
127-18-4	Tetrachloroethene	ND		10	3.6
108-88-3	Toluene	ND		10	5.1
156-60-5	trans-1,2-Dichloroethene	12		10	9.0
10061-02-6	trans-1,3-Dichloropropene	ND		10	3.7
79-01-6	Trichloroethene	290		10	4.6
75-69-4	Trichlorofluoromethane	ND		10	8.8
75-01-4	Vinyl chloride	55		10	9.0
1330-20-7	Xylenes, Total	ND		20	6.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	116		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	115		77-120
460-00-4	4-Bromofluorobenzene (Surr)	119		73-120
1868-53-7	Dibromofluoromethane (Surr)	121		75-123

MT 6/24/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo Job No.: 480-219702-1

SDG No.:

Client Sample ID: MW-39-20240509-01 Lab Sample ID: 480-219702-14

Matrix: Water Lab File ID: S8566.d

Analysis Method: 8260C Date Collected: 05/09/2024 09:40

Sample wt/vol: 5(mL) Date Analyzed: 05/11/2024 16:44

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 711639 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	11		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

MT 6/20/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1
SDG No.:
Client Sample ID: MW-39-20240509-01 | Lab Sample ID: 480-219702-14
Matrix: Water | Lab File ID: S8566.d
Analysis Method: 8260C | Date Collected: 05/09/2024 09:40
Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 16:44
Soil Aliquot Vol: | Dilution Factor: 1
Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)
Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:
% Moisture: % Solids: | Level: (low/med) Low
Analysis Batch No.: 711639 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	1.3		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	77		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		77-120
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
1868-53-7	Dibromofluoromethane (Surr)	97		75-123

MT 6/20/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo Job No.: 480-219702-1

SDG No.:

Client Sample ID: MW-34-20240509-01 Lab Sample ID: 480-219702-15

Matrix: Water Lab File ID: D2491.d

Analysis Method: 8260C Date Collected: 05/09/2024 09:20

Sample wt/vol: 5(mL) Date Analyzed: 05/11/2024 07:17

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 711535 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

MT 6/24/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1

SDG No.:

Client Sample ID: MW-34-20240509-01 | Lab Sample ID: 480-219702-15

Matrix: Water | Lab File ID: D2491.d

Analysis Method: 8260C | Date Collected: 05/09/2024 09:20

Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 07:17

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711535 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		77-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
1868-53-7	Dibromofluoromethane (Surr)	104		75-123

MR 6/20/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1

SDG No.:

Client Sample ID: MW-25-20240509-01 | Lab Sample ID: 480-219702-16

Matrix: Water | Lab File ID: D2492.d

Analysis Method: 8260C | Date Collected: 05/09/2024 09:45

Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 07:39

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711535 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

MT 6/20/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1
SDG No.:
Client Sample ID: MW-25-20240509-01 | Lab Sample ID: 480-219702-16
Matrix: Water | Lab File ID: D2492.d
Analysis Method: 8260C | Date Collected: 05/09/2024 09:45
Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 07:39
Soil Aliquot Vol: | Dilution Factor: 1
Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)
Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:
% Moisture: % Solids: | Level: (low/med) Low
Analysis Batch No.: 711535 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		77-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
1868-53-7	Dibromofluoromethane (Surr)	104		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo Job No.: 480-219702-1
SDG No.:
Client Sample ID: EB-01-20240506-01 Lab Sample ID: 480-219702-17
Matrix: Water Lab File ID: D2493.d
Analysis Method: 8260C Date Collected: 05/06/2024 08:00
Sample wt/vol: 5(mL) Date Analyzed: 05/11/2024 08:01
Soil Aliquot Vol: Dilution Factor: 1
Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)
Purge Volume: 5.0(mL) Heated Purge: (Y/N) N pH:
% Moisture: % Solids: Level: (low/med) Low
Analysis Batch No.: 711535 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

MT 6/20/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1
SDG No.:
Client Sample ID: EB-01-20240506-01 | Lab Sample ID: 480-219702-17
Matrix: Water | Lab File ID: D2493.d
Analysis Method: 8260C | Date Collected: 05/06/2024 08:00
Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 08:01
Soil Aliquot Vol: | Dilution Factor: 1
Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)
Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:
% Moisture: % Solids: | Level: (low/med) Low
Analysis Batch No.: 711535 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		77-120
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
1868-53-7	Dibromofluoromethane (Surr)	104		75-123

MT 6/20/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo Job No.: 480-219702-1

SDG No.:

Client Sample ID: EB-02-20240507-01 Lab Sample ID: 480-219702-18

Matrix: Water Lab File ID: D2494.d

Analysis Method: 8260C Date Collected: 05/07/2024 08:00

Sample wt/vol: 5(mL) Date Analyzed: 05/11/2024 08:24

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 711535 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

MT 6/20/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1

SDG No.:

Client Sample ID: EB-02-20240507-01 | Lab Sample ID: 480-219702-18

Matrix: Water | Lab File ID: D2494.d

Analysis Method: 8260C | Date Collected: 05/07/2024 08:00

Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 08:24

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711535 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		77-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
1868-53-7	Dibromofluoromethane (Surr)	104		75-123

MT 6/21/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1

SDG No.:

Client Sample ID: TB-01-20240506-01 | Lab Sample ID: 480-219702-19

Matrix: Water | Lab File ID: L5418.D

Analysis Method: 8260C | Date Collected: 05/06/2024 08:05

Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 02:38

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) VOA ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711566 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND	US	1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

MT 6/20/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1

SDG No.:

Client Sample ID: TB-01-20240506-01 | Lab Sample ID: 480-219702-19

Matrix: Water | Lab File ID: L5418.D

Analysis Method: 8260C | Date Collected: 05/06/2024 08:05

Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 02:38

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) VOA ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711566 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	101		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	118		77-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
1868-53-7	Dibromofluoromethane (Surr)	106		75-123

MAT 6/14/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1
SDG No.:
Client Sample ID: TB-02-20240507-01 | Lab Sample ID: 480-219702-20
Matrix: Water | Lab File ID: L5419.D
Analysis Method: 8260C | Date Collected: 05/07/2024 08:05
Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 03:02
Soil Aliquot Vol: | Dilution Factor: 1
Soil Extract Vol.: | GC Column: ZB-624 (30) VOA ID: 0.25(mm)
Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:
% Moisture: % Solids: | Level: (low/med) Low
Analysis Batch No.: 711566 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND	U5	1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

MT 6/20/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1
SDG No.:
Client Sample ID: TB-02-20240507-01 | Lab Sample ID: 480-219702-20
Matrix: Water | Lab File ID: L5419.D
Analysis Method: 8260C | Date Collected: 05/07/2024 08:05
Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 03:02
Soil Aliquot Vol: | Dilution Factor: 1
Soil Extract Vol.: | GC Column: ZB-624 (30) VOA ID: 0.25(mm)
Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:
% Moisture: % Solids: | Level: (low/med) Low
Analysis Batch No.: 711566 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	104		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	118		77-120
460-00-4	4-Bromofluorobenzene (Surr)	109		73-120
1868-53-7	Dibromofluoromethane (Surr)	106		75-123

MT 6/6/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo Job No.: 480-219702-1
SDG No.:
Client Sample ID: MW-31-20240508-01 Lab Sample ID: 480-219702-21
Matrix: Water Lab File ID: S8536.d
Analysis Method: 8260C Date Collected: 05/08/2024 18:30
Sample wt/vol: 5(mL) Date Analyzed: 05/11/2024 02:37
Soil Aliquot Vol: Dilution Factor: 1
Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)
Purge Volume: 5.0(mL) Heated Purge: (Y/N) N pH:
% Moisture: % Solids: Level: (low/med) Low
Analysis Batch No.: 711573 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

MT 6/20/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo Job No.: 480-219702-1
SDG No.:
Client Sample ID: MW-31-20240508-01 Lab Sample ID: 480-219702-21
Matrix: Water Lab File ID: S8536.d
Analysis Method: 8260C Date Collected: 05/08/2024 18:30
Sample wt/vol: 5(mL) Date Analyzed: 05/11/2024 02:37
Soil Aliquot Vol: Dilution Factor: 1
Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)
Purge Volume: 5.0(mL) Heated Purge: (Y/N) N pH:
% Moisture: % Solids: Level: (low/med) Low
Analysis Batch No.: 711573 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	108		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		77-120
460-00-4	4-Bromofluorobenzene (Surr)	110		73-120
1868-53-7	Dibromofluoromethane (Surr)	102		75-123

MRT 6/20/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1

SDG No.:

Client Sample ID: MW-27-20240508-01 | Lab Sample ID: 480-219702-22

Matrix: Water | Lab File ID: S8537.d

Analysis Method: 8260C | Date Collected: 05/08/2024 15:20

Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 03:00

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711573 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

MM 6/20/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1
SDG No.:
Client Sample ID: MW-27-20240508-01 | Lab Sample ID: 480-219702-22
Matrix: Water | Lab File ID: S8537.d
Analysis Method: 8260C | Date Collected: 05/08/2024 15:20
Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 03:00
Soil Aliquot Vol: | Dilution Factor: 1
Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)
Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:
% Moisture: % Solids: | Level: (low/med) Low
Analysis Batch No.: 711573 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	109		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		77-120
460-00-4	4-Bromofluorobenzene (Surr)	114		73-120
1868-53-7	Dibromofluoromethane (Surr)	104		75-123

MS 6/24/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo Job No.: 480-219702-1

SDG No.:

Client Sample ID: MW-51-20240508-01 Lab Sample ID: 480-219702-23

Matrix: Water Lab File ID: S8567.d

Analysis Method: 8260C Date Collected: 05/08/2024 10:50

Sample wt/vol: 5(mL) Date Analyzed: 05/11/2024 17:07

Soil Aliquot Vol: Dilution Factor: 50

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 711639 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		50	41
79-34-5	1,1,2,2-Tetrachloroethane	ND		50	11
79-00-5	1,1,2-Trichloroethane	ND		50	12
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	16
75-34-3	1,1-Dichloroethane	ND		50	19
75-35-4	1,1-Dichloroethene	ND		50	15
120-82-1	1,2,4-Trichlorobenzene	ND		50	21
96-12-8	1,2-Dibromo-3-Chloropropane	ND		50	20
95-50-1	1,2-Dichlorobenzene	ND		50	40
107-06-2	1,2-Dichloroethane	ND		50	11
78-87-5	1,2-Dichloropropane	ND		50	36
541-73-1	1,3-Dichlorobenzene	ND		50	39
106-46-7	1,4-Dichlorobenzene	ND		50	42
78-93-3	2-Butanone (MEK)	ND		500	66
591-78-6	2-Hexanone	ND		250	62
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		250	110
67-64-1	Acetone	ND		500	150
71-43-2	Benzene	ND		50	21
75-27-4	Dichlorobromomethane	ND		50	20
75-25-2	Bromoform	ND		50	13
74-83-9	Bromomethane	ND		50	35
75-15-0	Carbon disulfide	ND		50	9.5
56-23-5	Carbon tetrachloride	ND		50	14
108-90-7	Chlorobenzene	ND		50	38
124-48-1	Chlorodibromomethane	ND		50	16
75-00-3	Chloroethane	ND		50	16
67-66-3	Chloroform	ND		50	17
74-87-3	Chloromethane	ND		50	18
156-59-2	cis-1,2-Dichloroethene	2900		50	41
10061-01-5	cis-1,3-Dichloropropene	ND		50	18
110-82-7	Cyclohexane	ND		50	9.0
75-71-8	Dichlorodifluoromethane	ND		50	34
100-41-4	Ethylbenzene	ND		50	37

MT 6/20/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1
SDG No.:
Client Sample ID: MW-51-20240508-01 | Lab Sample ID: 480-219702-23
Matrix: Water | Lab File ID: S8567.d
Analysis Method: 8260C | Date Collected: 05/08/2024 10:50
Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 17:07
Soil Aliquot Vol: | Dilution Factor: 50
Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)
Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:
% Moisture: % Solids: | Level: (low/med) Low
Analysis Batch No.: 711639 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		50	37
98-82-8	Isopropylbenzene	ND		50	40
79-20-9	Methyl acetate	ND		130	65
1634-04-4	Methyl tert-butyl ether	ND		50	8.0
108-87-2	Methylcyclohexane	ND		50	8.0
75-09-2	Methylene Chloride	ND		50	22
100-42-5	Styrene	ND		50	37
127-18-4	Tetrachloroethene	ND		50	18
108-88-3	Toluene	ND		50	26
156-60-5	trans-1,2-Dichloroethene	ND		50	45
10061-02-6	trans-1,3-Dichloropropene	ND		50	19
79-01-6	Trichloroethene	ND		50	23
75-69-4	Trichlorofluoromethane	ND		50	44
75-01-4	Vinyl chloride	61		50	45
1330-20-7	Xylenes, Total	ND		100	33

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	117		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	115		77-120
460-00-4	4-Bromofluorobenzene (Surr)	115		73-120
1868-53-7	Dibromofluoromethane (Surr)	116		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo Job No.: 480-219702-1

SDG No.:

Client Sample ID: MW-23-20240508-01 Lab Sample ID: 480-219702-24

Matrix: Water Lab File ID: S8539.d

Analysis Method: 8260C Date Collected: 05/08/2024 17:40

Sample wt/vol: 5(mL) Date Analyzed: 05/11/2024 03:46

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 711573 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

MT 6/24/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1

SDG No.:

Client Sample ID: MW-23-20240508-01 | Lab Sample ID: 480-219702-24

Matrix: Water | Lab File ID: S8539.d

Analysis Method: 8260C | Date Collected: 05/08/2024 17:40

Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 03:46

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711573 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	110		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	112		77-120
460-00-4	4-Bromofluorobenzene (Surr)	113		73-120
1868-53-7	Dibromofluoromethane (Surr)	107		75-123

MM 6/20/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1

SDG No.:

Client Sample ID: MW-33A20240508-01 | Lab Sample ID: 480-219702-25

Matrix: Water | Lab File ID: S8540.d

Analysis Method: 8260C | Date Collected: 05/08/2024 15:55

Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 04:10

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711573 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	3.0		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	5.1		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	0.22	J	1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

MT 6/20/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1

SDG No.:

Client Sample ID: MW-33A20240508-01 | Lab Sample ID: 480-219702-25

Matrix: Water | Lab File ID: S8540.d

Analysis Method: 8260C | Date Collected: 05/08/2024 15:55

Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 04:10

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711573 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	10		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	109		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		77-120
460-00-4	4-Bromofluorobenzene (Surr)	112		73-120
1868-53-7	Dibromofluoromethane (Surr)	104		75-123

MJ 6/14/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1
SDG No.:
Client Sample ID: DUP-01-20240508-01 | Lab Sample ID: 480-219702-26
Matrix: Water | Lab File ID: S8541.d
Analysis Method: 8260C | Date Collected: 05/08/2024 12:00
Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 04:33
Soil Aliquot Vol: | Dilution Factor: 1
Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)
Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:
% Moisture: % Solids: | Level: (low/med) Low
Analysis Batch No.: 711573 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	0.35	J	1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	0.38	J	1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	66		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

MT 6/20/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1
SDG No.:
Client Sample ID: DUP-01-20240508-01 | Lab Sample ID: 480-219702-26
Matrix: Water | Lab File ID: S8541.d
Analysis Method: 8260C | Date Collected: 05/08/2024 12:00
Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 04:33
Soil Aliquot Vol: | Dilution Factor: 1
Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)
Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:
% Moisture: % Solids: | Level: (low/med) Low
Analysis Batch No.: 711573 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	13		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	62		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	111		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	112		77-120
460-00-4	4-Bromofluorobenzene (Surr)	114		73-120
1868-53-7	Dibromofluoromethane (Surr)	107		75-123

MT 6/20/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1
SDG No.:
Client Sample ID: MW-35A-20240507-01 | Lab Sample ID: 480-219702-27
Matrix: Water | Lab File ID: S8568.d
Analysis Method: 8260C | Date Collected: 05/07/2024 08:00
Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 17:31
Soil Aliquot Vol: | Dilution Factor: 1
Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)
Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:
% Moisture: % Solids: | Level: (low/med) Low
Analysis Batch No.: 711639 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1
SDG No.:
Client Sample ID: MW-35A-20240507-01 | Lab Sample ID: 480-219702-27
Matrix: Water | Lab File ID: S8568.d
Analysis Method: 8260C | Date Collected: 05/07/2024 08:00
Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 17:31
Soil Aliquot Vol: | Dilution Factor: 1
Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)
Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:
% Moisture: % Solids: | Level: (low/med) Low
Analysis Batch No.: 711639 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	115		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	115		77-120
460-00-4	4-Bromofluorobenzene (Surr)	119		73-120
1868-53-7	Dibromofluoromethane (Surr)	109		75-123

MT 6/20/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1

SDG No.:

Client Sample ID: MW-31D-20240508-01 | Lab Sample ID: 480-219702-28

Matrix: Water | Lab File ID: S8542.d

Analysis Method: 8260C | Date Collected: 05/08/2024 14:15

Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 04:57

Soil Aliquot Vol: | Dilution Factor: 2

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711573 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		2.0	1.6
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.0	0.42
79-00-5	1,1,2-Trichloroethane	ND		2.0	0.46
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62
75-34-3	1,1-Dichloroethane	ND		2.0	0.76
75-35-4	1,1-Dichloroethene	ND		2.0	0.58
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.82
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.78
95-50-1	1,2-Dichlorobenzene	ND		2.0	1.6
107-06-2	1,2-Dichloroethane	ND		2.0	0.42
78-87-5	1,2-Dichloropropane	ND		2.0	1.4
541-73-1	1,3-Dichlorobenzene	ND		2.0	1.6
106-46-7	1,4-Dichlorobenzene	ND		2.0	1.7
78-93-3	2-Butanone (MEK)	ND		20	2.6
591-78-6	2-Hexanone	ND		10	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	4.2
67-64-1	Acetone	ND		20	6.0
71-43-2	Benzene	ND		2.0	0.82
75-27-4	Dichlorobromomethane	ND		2.0	0.78
75-25-2	Bromoform	ND		2.0	0.52
74-83-9	Bromomethane	ND		2.0	1.4
75-15-0	Carbon disulfide	ND		2.0	0.38
56-23-5	Carbon tetrachloride	ND		2.0	0.54
108-90-7	Chlorobenzene	ND		2.0	1.5
124-48-1	Chlorodibromomethane	ND		2.0	0.64
75-00-3	Chloroethane	ND		2.0	0.64
67-66-3	Chloroform	ND		2.0	0.68
74-87-3	Chloromethane	ND		2.0	0.70
156-59-2	cis-1,2-Dichloroethene	ND		2.0	1.6
10061-01-5	cis-1,3-Dichloropropene	ND		2.0	0.72
110-82-7	Cyclohexane	0.95	J	2.0	0.36
75-71-8	Dichlorodifluoromethane	ND		2.0	1.4
100-41-4	Ethylbenzene	ND		2.0	1.5

MT 5/10/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1
SDG No.:
Client Sample ID: MW-31D-20240508-01 | Lab Sample ID: 480-219702-28
Matrix: Water | Lab File ID: S8542.d
Analysis Method: 8260C | Date Collected: 05/08/2024 14:15
Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 04:57
Soil Aliquot Vol: | Dilution Factor: 2
Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)
Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:
% Moisture: % Solids: | Level: (low/med) Low
Analysis Batch No.: 711573 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		2.0	1.5
98-82-8	Isopropylbenzene	ND		2.0	1.6
79-20-9	Methyl acetate	ND		5.0	2.6
1634-04-4	Methyl tert-butyl ether	ND		2.0	0.32
108-87-2	Methylcyclohexane	ND		2.0	0.32
75-09-2	Methylene Chloride	ND		2.0	0.88
100-42-5	Styrene	ND		2.0	1.5
127-18-4	Tetrachloroethene	ND		2.0	0.72
108-88-3	Toluene	ND		2.0	1.0
156-60-5	trans-1,2-Dichloroethene	ND		2.0	1.8
10061-02-6	trans-1,3-Dichloropropene	ND		2.0	0.74
79-01-6	Trichloroethene	ND		2.0	0.92
75-69-4	Trichlorofluoromethane	ND		2.0	1.8
75-01-4	Vinyl chloride	ND		2.0	1.8
1330-20-7	Xylenes, Total	ND		4.0	1.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	112		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		77-120
460-00-4	4-Bromofluorobenzene (Surr)	114		73-120
1868-53-7	Dibromofluoromethane (Surr)	106		75-123

MH 6/14/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1
SDG No.:
Client Sample ID: MW-28A-20240508-01 | Lab Sample ID: 480-219702-29
Matrix: Water | Lab File ID: S8625.d
Analysis Method: 8260C | Date Collected: 05/08/2024 10:45
Sample wt/vol: 5(mL) | Date Analyzed: 05/13/2024 16:08
Soil Aliquot Vol: | Dilution Factor: 1
Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)
Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:
% Moisture: % Solids: | Level: (low/med) Low
Analysis Batch No.: 711731 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND	FT	1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND	FT	1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

MT 6/20/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1
SDG No.:
Client Sample ID: MW-28A-20240508-01 | Lab Sample ID: 480-219702-29
Matrix: Water | Lab File ID: S8625.d
Analysis Method: 8260C | Date Collected: 05/08/2024 10:45
Sample wt/vol: 5(mL) | Date Analyzed: 05/13/2024 16:08
Soil Aliquot Vol: | Dilution Factor: 1
Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)
Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:
% Moisture: % Solids: | Level: (low/med) Low
Analysis Batch No.: 711731 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND	F1	1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	114		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	111		77-120
460-00-4	4-Bromofluorobenzene (Surr)	113		73-120
1868-53-7	Dibromofluoromethane (Surr)	116		75-123

MT 6/24/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1

SDG No.:

Client Sample ID: MW-28-20240508-01 | Lab Sample ID: 480-219702-30

Matrix: Water | Lab File ID: N7614.d

Analysis Method: 8260C | Date Collected: 05/08/2024 11:55

Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 01:03

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711577 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	17		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

MT 6/20/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1

SDG No.:

Client Sample ID: MW-28-20240508-01 | Lab Sample ID: 480-219702-30

Matrix: Water | Lab File ID: N7614.d

Analysis Method: 8260C | Date Collected: 05/08/2024 11:55

Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 01:03

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711577 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	0.48	J	1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	4.7		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	96		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		77-120
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
1868-53-7	Dibromofluoromethane (Surr)	100		75-123

MT 6/20/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1

SDG No.:

Client Sample ID: MW-38A-20240508-01 | Lab Sample ID: 480-219702-31

Matrix: Water | Lab File ID: N7615.d

Analysis Method: 8260C | Date Collected: 05/08/2024 14:25

Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 01:25

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711577 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

MH 6/24/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1

SDG No.:

Client Sample ID: MW-38A-20240508-01 | Lab Sample ID: 480-219702-31

Matrix: Water | Lab File ID: N7615.d

Analysis Method: 8260C | Date Collected: 05/08/2024 14:25

Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 01:25

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711577 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	98		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		77-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		75-123

MT 6/14/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1
SDG No.:
Client Sample ID: MW-54-20240506-01 | Lab Sample ID: 480-219702-32
Matrix: Water | Lab File ID: L5421.D
Analysis Method: 8260C | Date Collected: 05/06/2024 17:35
Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 03:51
Soil Aliquot Vol: | Dilution Factor: 2
Soil Extract Vol.: | GC Column: ZB-624 (30) VOA ID: 0.25(mm)
Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:
% Moisture: % Solids: | Level: (low/med) Low
Analysis Batch No.: 711566 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		2.0	1.6
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.0	0.42
79-00-5	1,1,2-Trichloroethane	ND		2.0	0.46
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62
75-34-3	1,1-Dichloroethane	4.3		2.0	0.76
75-35-4	1,1-Dichloroethene	ND		2.0	0.58
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.82
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.78
95-50-1	1,2-Dichlorobenzene	ND		2.0	1.6
107-06-2	1,2-Dichloroethane	ND		2.0	0.42
78-87-5	1,2-Dichloropropane	ND		2.0	1.4
541-73-1	1,3-Dichlorobenzene	ND		2.0	1.6
106-46-7	1,4-Dichlorobenzene	ND		2.0	1.7
78-93-3	2-Butanone (MEK)	ND		20	2.6
591-78-6	2-Hexanone	ND		10	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	4.2
67-64-1	Acetone	ND		20	6.0
71-43-2	Benzene	ND		2.0	0.82
75-27-4	Dichlorobromomethane	ND	U5	2.0	0.78
75-25-2	Bromoform	ND		2.0	0.52
74-83-9	Bromomethane	ND		2.0	1.4
75-15-0	Carbon disulfide	ND		2.0	0.38
56-23-5	Carbon tetrachloride	ND		2.0	0.54
108-90-7	Chlorobenzene	ND		2.0	1.5
124-48-1	Chlorodibromomethane	ND		2.0	0.64
75-00-3	Chloroethane	ND		2.0	0.64
67-66-3	Chloroform	ND		2.0	0.68
74-87-3	Chloromethane	ND		2.0	0.70
156-59-2	cis-1,2-Dichloroethene	46		2.0	1.6
10061-01-5	cis-1,3-Dichloropropene	ND		2.0	0.72
110-82-7	Cyclohexane	ND		2.0	0.36
75-71-8	Dichlorodifluoromethane	ND		2.0	1.4
100-41-4	Ethylbenzene	ND		2.0	1.5

MT 5/24/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1
SDG No.:
Client Sample ID: MW-54-20240506-01 | Lab Sample ID: 480-219702-32
Matrix: Water | Lab File ID: L5421.D
Analysis Method: 8260C | Date Collected: 05/06/2024 17:35
Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 03:51
Soil Aliquot Vol: | Dilution Factor: 2
Soil Extract Vol.: | GC Column: ZB-624 (30) VOA ID: 0.25(mm)
Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:
% Moisture: % Solids: | Level: (low/med) Low
Analysis Batch No.: 711566 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		2.0	1.5
98-82-8	Isopropylbenzene	ND		2.0	1.6
79-20-9	Methyl acetate	ND		5.0	2.6
1634-04-4	Methyl tert-butyl ether	ND		2.0	0.32
108-87-2	Methylcyclohexane	ND		2.0	0.32
75-09-2	Methylene Chloride	ND		2.0	0.88
100-42-5	Styrene	ND		2.0	1.5
127-18-4	Tetrachloroethene	ND		2.0	0.72
108-88-3	Toluene	ND		2.0	1.0
156-60-5	trans-1,2-Dichloroethene	ND		2.0	1.8
10061-02-6	trans-1,3-Dichloropropene	ND		2.0	0.74
79-01-6	Trichloroethene	ND		2.0	0.92
75-69-4	Trichlorofluoromethane	ND		2.0	1.8
75-01-4	Vinyl chloride	29		2.0	1.8
1330-20-7	Xylenes, Total	ND		4.0	1.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	117		77-120
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
1868-53-7	Dibromofluoromethane (Surr)	105		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1

SDG No.:

Client Sample ID: MW-53-20240506-01 | Lab Sample ID: 480-219702-33

Matrix: Water | Lab File ID: N7616.d

Analysis Method: 8260C | Date Collected: 05/06/2024 17:50

Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 01:48

Soil Aliquot Vol: | Dilution Factor: 25

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711577 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		25	21
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	5.3
79-00-5	1,1,2-Trichloroethane	ND		25	5.8
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25	7.8
75-34-3	1,1-Dichloroethane	ND		25	9.5
75-35-4	1,1-Dichloroethene	ND		25	7.3
120-82-1	1,2,4-Trichlorobenzene	ND		25	10
96-12-8	1,2-Dibromo-3-Chloropropane	ND		25	9.8
95-50-1	1,2-Dichlorobenzene	ND		25	20
107-06-2	1,2-Dichloroethane	ND		25	5.3
78-87-5	1,2-Dichloropropane	ND		25	18
541-73-1	1,3-Dichlorobenzene	ND		25	20
106-46-7	1,4-Dichlorobenzene	ND		25	21
78-93-3	2-Butanone (MEK)	ND		250	33
591-78-6	2-Hexanone	ND		130	31
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		130	53
67-64-1	Acetone	ND		250	75
71-43-2	Benzene	ND		25	10
75-27-4	Dichlorobromomethane	ND		25	9.8
75-25-2	Bromoform	ND		25	6.5
74-83-9	Bromomethane	ND		25	17
75-15-0	Carbon disulfide	ND		25	4.8
56-23-5	Carbon tetrachloride	ND		25	6.8
108-90-7	Chlorobenzene	ND		25	19
124-48-1	Chlorodibromomethane	ND		25	8.0
75-00-3	Chloroethane	ND		25	8.0
67-66-3	Chloroform	ND		25	8.5
74-87-3	Chloromethane	ND		25	8.8
156-59-2	cis-1,2-Dichloroethene	600		25	20
10061-01-5	cis-1,3-Dichloropropene	ND		25	9.0
110-82-7	Cyclohexane	ND		25	4.5
75-71-8	Dichlorodifluoromethane	ND		25	17
100-41-4	Ethylbenzene	ND		25	19

MT 6/20/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1

SDG No.:

Client Sample ID: MW-53-20240506-01 | Lab Sample ID: 480-219702-33

Matrix: Water | Lab File ID: N7616.d

Analysis Method: 8260C | Date Collected: 05/06/2024 17:50

Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 01:48

Soil Aliquot Vol: | Dilution Factor: 25

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711577 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		25	18
98-82-8	Isopropylbenzene	ND		25	20
79-20-9	Methyl acetate	ND		63	33
1634-04-4	Methyl tert-butyl ether	ND		25	4.0
108-87-2	Methylcyclohexane	ND		25	4.0
75-09-2	Methylene Chloride	ND		25	11
100-42-5	Styrene	ND		25	18
127-18-4	Tetrachloroethene	ND		25	9.0
108-88-3	Toluene	ND		25	13
156-60-5	trans-1,2-Dichloroethene	ND		25	23
10061-02-6	trans-1,3-Dichloropropene	ND		25	9.3
79-01-6	Trichloroethene	ND		25	12
75-69-4	Trichlorofluoromethane	ND		25	22
75-01-4	Vinyl chloride	36		25	23
1330-20-7	Xylenes, Total	ND		50	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	98		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		77-120
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
1868-53-7	Dibromofluoromethane (Surr)	100		75-123

MT 6/20/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1

SDG No.:

Client Sample ID: MW-29A-20240508-01 | Lab Sample ID: 480-219702-34

Matrix: Water | Lab File ID: S8569.d

Analysis Method: 8260C | Date Collected: 05/08/2024 10:00

Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 17:54

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711639 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	3.2		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	1.0		1.0	0.74

MA 5/21/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1
SDG No.:
Client Sample ID: MW-29A-20240508-01 | Lab Sample ID: 480-219702-34
Matrix: Water | Lab File ID: S8569.d
Analysis Method: 8260C | Date Collected: 05/08/2024 10:00
Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 17:54
Soil Aliquot Vol: | Dilution Factor: 1
Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)
Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:
% Moisture: % Solids: | Level: (low/med) Low
Analysis Batch No.: 711639 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	0.60	J	1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		77-120
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
1868-53-7	Dibromofluoromethane (Surr)	105		75-123

MM 6/20/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1
SDG No.:
Client Sample ID: MW-34A-20240507-01 | Lab Sample ID: 480-219702-35
Matrix: Water | Lab File ID: L5423.D
Analysis Method: 8260C | Date Collected: 05/07/2024 16:40
Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 04:40
Soil Aliquot Vol: | Dilution Factor: 4
Soil Extract Vol.: | GC Column: ZB-624 (30) VOA ID: 0.25(mm)
Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:
% Moisture: % Solids: | Level: (low/med) Low
Analysis Batch No.: 711566 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		4.0	3.3
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.0	0.84
79-00-5	1,1,2-Trichloroethane	ND		4.0	0.92
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2
75-34-3	1,1-Dichloroethane	ND		4.0	1.5
75-35-4	1,1-Dichloroethene	ND		4.0	1.2
120-82-1	1,2,4-Trichlorobenzene	ND		4.0	1.6
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.0	1.6
95-50-1	1,2-Dichlorobenzene	ND		4.0	3.2
107-06-2	1,2-Dichloroethane	ND		4.0	0.84
78-87-5	1,2-Dichloropropane	ND		4.0	2.9
541-73-1	1,3-Dichlorobenzene	ND		4.0	3.1
106-46-7	1,4-Dichlorobenzene	ND		4.0	3.4
78-93-3	2-Butanone (MEK)	ND		40	5.3
591-78-6	2-Hexanone	ND		20	5.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		20	8.4
67-64-1	Acetone	ND		40	12
71-43-2	Benzene	9.5		4.0	1.6
75-27-4	Dichlorobromomethane	ND	U5	4.0	1.6
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		4.0	2.8
75-15-0	Carbon disulfide	ND		4.0	0.76
56-23-5	Carbon tetrachloride	ND		4.0	1.1
108-90-7	Chlorobenzene	ND		4.0	3.0
124-48-1	Chlorodibromomethane	ND		4.0	1.3
75-00-3	Chloroethane	ND		4.0	1.3
67-66-3	Chloroform	ND		4.0	1.4
74-87-3	Chloromethane	ND		4.0	1.4
156-59-2	cis-1,2-Dichloroethene	13		4.0	3.2
10061-01-5	cis-1,3-Dichloropropene	ND		4.0	1.4
110-82-7	Cyclohexane	1.2	J	4.0	0.72
75-71-8	Dichlorodifluoromethane	ND		4.0	2.7
100-41-4	Ethylbenzene	ND		4.0	3.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1
SDG No.:
Client Sample ID: MW-34A-20240507-01 | Lab Sample ID: 480-219702-35
Matrix: Water | Lab File ID: L5423.D
Analysis Method: 8260C | Date Collected: 05/07/2024 16:40
Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 04:40
Soil Aliquot Vol: | Dilution Factor: 4
Soil Extract Vol.: | GC Column: ZB-624 (30) VOA ID: 0.25(mm)
Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:
% Moisture: % Solids: | Level: (low/med) Low
Analysis Batch No.: 711566 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		4.0	2.9
98-82-8	Isopropylbenzene	ND		4.0	3.2
79-20-9	Methyl acetate	ND		10	5.2
1634-04-4	Methyl tert-butyl ether	ND		4.0	0.64
108-87-2	Methylcyclohexane	ND		4.0	0.64
75-09-2	Methylene Chloride	ND		4.0	1.8
100-42-5	Styrene	ND		4.0	2.9
127-18-4	Tetrachloroethene	ND		4.0	1.4
108-88-3	Toluene	ND		4.0	2.0
156-60-5	trans-1,2-Dichloroethene	ND		4.0	3.6
10061-02-6	trans-1,3-Dichloropropene	ND		4.0	1.5
79-01-6	Trichloroethene	ND		4.0	1.8
75-69-4	Trichlorofluoromethane	ND		4.0	3.5
75-01-4	Vinyl chloride	280		4.0	3.6
1330-20-7	Xylenes, Total	ND		8.0	2.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	105		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	117		77-120
460-00-4	4-Bromofluorobenzene (Surr)	108		73-120
1868-53-7	Dibromofluoromethane (Surr)	104		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1

SDG No.:

Client Sample ID: MW-52-20240508-01 | Lab Sample ID: 480-219702-36

Matrix: Water | Lab File ID: N7644.d

Analysis Method: 8260C | Date Collected: 05/08/2024 10:00

Sample wt/vol: 5(mL) | Date Analyzed: 05/13/2024 13:50

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711743 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	77		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

MT 6/14/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1
SDG No.:
Client Sample ID: MW-52-20240508-01 | Lab Sample ID: 480-219702-36
Matrix: Water | Lab File ID: N7644.d
Analysis Method: 8260C | Date Collected: 05/08/2024 10:00
Sample wt/vol: 5(mL) | Date Analyzed: 05/13/2024 13:50
Soil Aliquot Vol: | Dilution Factor: 1
Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)
Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:
% Moisture: % Solids: | Level: (low/med) Low
Analysis Batch No.: 711743 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	12		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	59		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	98		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		77-120
460-00-4	4-Bromofluorobenzene (Surr)	104		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1

SDG No.:

Client Sample ID: MW-26-20240508-01 | Lab Sample ID: 480-219702-37

Matrix: Water | Lab File ID: N7618.d

Analysis Method: 8260C | Date Collected: 05/08/2024 16:25

Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 02:33

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711577 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

MT 6/2/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1
SDG No.:
Client Sample ID: MW-26-20240508-01 | Lab Sample ID: 480-219702-37
Matrix: Water | Lab File ID: N7618.d
Analysis Method: 8260C | Date Collected: 05/08/2024 16:25
Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 02:33
Soil Aliquot Vol: | Dilution Factor: 1
Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)
Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:
% Moisture: % Solids: | Level: (low/med) Low
Analysis Batch No.: 711577 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	0.28	J	1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		77-120
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
1868-53-7	Dibromofluoromethane (Surr)	94		75-123

MT 6/24/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1

SDG No.:

Client Sample ID: MW-6A-20240508-01 | Lab Sample ID: 480-219702-38

Matrix: Water | Lab File ID: N7619.d

Analysis Method: 8260C | Date Collected: 05/08/2024 16:50

Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 02:55

Soil Aliquot Vol: | Dilution Factor: 10

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711577 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		10	8.2
79-34-5	1,1,2,2-Tetrachloroethane	ND		10	2.1
79-00-5	1,1,2-Trichloroethane	ND		10	2.3
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1
75-34-3	1,1-Dichloroethane	5.4	J	10	3.8
75-35-4	1,1-Dichloroethene	4.6	J	10	2.9
120-82-1	1,2,4-Trichlorobenzene	ND		10	4.1
96-12-8	1,2-Dibromo-3-Chloropropane	ND		10	3.9
95-50-1	1,2-Dichlorobenzene	ND		10	7.9
107-06-2	1,2-Dichloroethane	ND		10	2.1
78-87-5	1,2-Dichloropropane	ND		10	7.2
541-73-1	1,3-Dichlorobenzene	ND		10	7.8
106-46-7	1,4-Dichlorobenzene	ND		10	8.4
78-93-3	2-Butanone (MEK)	ND		100	13
591-78-6	2-Hexanone	ND		50	12
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		50	21
67-64-1	Acetone	ND		100	30
71-43-2	Benzene	ND		10	4.1
75-27-4	Dichlorobromomethane	ND		10	3.9
75-25-2	Bromoform	ND		10	2.6
74-83-9	Bromomethane	ND		10	6.9
75-15-0	Carbon disulfide	ND		10	1.9
56-23-5	Carbon tetrachloride	ND		10	2.7
108-90-7	Chlorobenzene	ND		10	7.5
124-48-1	Chlorodibromomethane	ND		10	3.2
75-00-3	Chloroethane	ND		10	3.2
67-66-3	Chloroform	ND		10	3.4
74-87-3	Chloromethane	ND		10	3.5
156-59-2	cis-1,2-Dichloroethene	710		10	8.1
10061-01-5	cis-1,3-Dichloropropene	ND		10	3.6
110-82-7	Cyclohexane	ND		10	1.8
75-71-8	Dichlorodifluoromethane	ND		10	6.8
100-41-4	Ethylbenzene	ND		10	7.4

MT 6/6/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1
SDG No.:
Client Sample ID: MW-6A-20240508-01 | Lab Sample ID: 480-219702-38
Matrix: Water | Lab File ID: N7619.d
Analysis Method: 8260C | Date Collected: 05/08/2024 16:50
Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 02:55
Soil Aliquot Vol: | Dilution Factor: 10
Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)
Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:
% Moisture: % Solids: | Level: (low/med) Low
Analysis Batch No.: 711577 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		10	7.3
98-82-8	Isopropylbenzene	ND		10	7.9
79-20-9	Methyl acetate	ND		25	13
1634-04-4	Methyl tert-butyl ether	ND		10	1.6
108-87-2	Methylcyclohexane	ND		10	1.6
75-09-2	Methylene Chloride	ND		10	4.4
100-42-5	Styrene	ND		10	7.3
127-18-4	Tetrachloroethene	ND		10	3.6
108-88-3	Toluene	ND		10	5.1
156-60-5	trans-1,2-Dichloroethene	ND		10	9.0
10061-02-6	trans-1,3-Dichloropropene	ND		10	3.7
79-01-6	Trichloroethene	270		10	4.6
75-69-4	Trichlorofluoromethane	ND		10	8.8
75-01-4	Vinyl chloride	42		10	9.0
1330-20-7	Xylenes, Total	ND		20	6.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	98		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		77-120
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
1868-53-7	Dibromofluoromethane (Surr)	94		75-123

MT 6/20/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1

SDG No.:

Client Sample ID: MW-25A-20240508-01 | Lab Sample ID: 480-219702-39

Matrix: Water | Lab File ID: N7620.d

Analysis Method: 8260C | Date Collected: 05/08/2024 17:45

Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 03:18

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711577 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	8.7		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

MT 6/20/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1

SDG No.:

Client Sample ID: MW-25A-20240508-01 | Lab Sample ID: 480-219702-39

Matrix: Water | Lab File ID: N7620.d

Analysis Method: 8260C | Date Collected: 05/08/2024 17:45

Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 03:18

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711577 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	15		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		77-120
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
1868-53-7	Dibromofluoromethane (Surr)	99		75-123

MT 6/20/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1

SDG No.:

Client Sample ID: MW-27A-20240508-01 | Lab Sample ID: 480-219702-40

Matrix: Water | Lab File ID: N7621.d

Analysis Method: 8260C | Date Collected: 05/08/2024 14:00

Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 03:41

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711577 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

MT 6/20/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1

SDG No.:

Client Sample ID: MW-27A-20240508-01 | Lab Sample ID: 480-219702-40

Matrix: Water | Lab File ID: N7621.d

Analysis Method: 8260C | Date Collected: 05/08/2024 14:00

Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 03:41

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711577 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	96		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		77-120
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		75-123

MT 6/20/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1
SDG No.:
Client Sample ID: MW-29-20240508-01 | Lab Sample ID: 480-219702-41
Matrix: Water | Lab File ID: N7622.d
Analysis Method: 8260C | Date Collected: 05/08/2024 11:55
Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 04:03
Soil Aliquot Vol: | Dilution Factor: 1
Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)
Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:
% Moisture: % Solids: | Level: (low/med) Low
Analysis Batch No.: 711577 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	0.95	J	1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

MT 6/20/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1

SDG No.:

Client Sample ID: MW-29-20240508-01 | Lab Sample ID: 480-219702-41

Matrix: Water | Lab File ID: N7622.d

Analysis Method: 8260C | Date Collected: 05/08/2024 11:55

Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 04:03

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711577 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	96		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		77-120
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
1868-53-7	Dibromofluoromethane (Surr)	95		75-123

MT 6/24/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1

SDG No.:

Client Sample ID: MW-48-20240508-01 | Lab Sample ID: 480-219702-42

Matrix: Water | Lab File ID: N7623.d

Analysis Method: 8260C | Date Collected: 05/08/2024 09:45

Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 04:26

Soil Aliquot Vol: | Dilution Factor: 2

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711577 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		2.0	1.6
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.0	0.42
79-00-5	1,1,2-Trichloroethane	ND		2.0	0.46
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62
75-34-3	1,1-Dichloroethane	ND		2.0	0.76
75-35-4	1,1-Dichloroethene	ND		2.0	0.58
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.82
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.78
95-50-1	1,2-Dichlorobenzene	ND		2.0	1.6
107-06-2	1,2-Dichloroethane	ND		2.0	0.42
78-87-5	1,2-Dichloropropane	ND		2.0	1.4
541-73-1	1,3-Dichlorobenzene	ND		2.0	1.6
106-46-7	1,4-Dichlorobenzene	ND		2.0	1.7
78-93-3	2-Butanone (MEK)	ND		20	2.6
591-78-6	2-Hexanone	ND		10	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	4.2
67-64-1	Acetone	ND		20	6.0
71-43-2	Benzene	ND		2.0	0.82
75-27-4	Dichlorobromomethane	ND		2.0	0.78
75-25-2	Bromoform	ND		2.0	0.52
74-83-9	Bromomethane	ND		2.0	1.4
75-15-0	Carbon disulfide	ND		2.0	0.38
56-23-5	Carbon tetrachloride	ND		2.0	0.54
108-90-7	Chlorobenzene	ND		2.0	1.5
124-48-1	Chlorodibromomethane	ND		2.0	0.64
75-00-3	Chloroethane	ND		2.0	0.64
67-66-3	Chloroform	ND		2.0	0.68
74-87-3	Chloromethane	ND		2.0	0.70
156-59-2	cis-1,2-Dichloroethene	9.9		2.0	1.6
10061-01-5	cis-1,3-Dichloropropene	ND		2.0	0.72
110-82-7	Cyclohexane	ND		2.0	0.36
75-71-8	Dichlorodifluoromethane	ND		2.0	1.4
100-41-4	Ethylbenzene	ND		2.0	1.5

MRT 6/20/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1
SDG No.:
Client Sample ID: MW-48-20240508-01 | Lab Sample ID: 480-219702-42
Matrix: Water | Lab File ID: N7623.d
Analysis Method: 8260C | Date Collected: 05/08/2024 09:45
Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 04:26
Soil Aliquot Vol: | Dilution Factor: 2
Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)
Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:
% Moisture: % Solids: | Level: (low/med) Low
Analysis Batch No.: 711577 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		2.0	1.5
98-82-8	Isopropylbenzene	ND		2.0	1.6
79-20-9	Methyl acetate	ND		5.0	2.6
1634-04-4	Methyl tert-butyl ether	ND		2.0	0.32
108-87-2	Methylcyclohexane	ND		2.0	0.32
75-09-2	Methylene Chloride	ND		2.0	0.88
100-42-5	Styrene	ND		2.0	1.5
127-18-4	Tetrachloroethene	ND		2.0	0.72
108-88-3	Toluene	ND		2.0	1.0
156-60-5	trans-1,2-Dichloroethene	ND		2.0	1.8
10061-02-6	trans-1,3-Dichloropropene	ND		2.0	0.74
79-01-6	Trichloroethene	4.3		2.0	0.92
75-69-4	Trichlorofluoromethane	ND		2.0	1.8
75-01-4	Vinyl chloride	ND		2.0	1.8
1330-20-7	Xylenes, Total	ND		4.0	1.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	98		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123

MT 6/24/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1

SDG No.:

Client Sample ID: MW-26A-20240808-01 | Lab Sample ID: 480-219702-43

Matrix: Water | Lab File ID: N7624.d

Analysis Method: 8260C | Date Collected: 05/08/2024 18:45

Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 04:48

Soil Aliquot Vol: | Dilution Factor: 2

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711577 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		2.0	1.6
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.0	0.42
79-00-5	1,1,2-Trichloroethane	ND		2.0	0.46
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62
75-34-3	1,1-Dichloroethane	ND		2.0	0.76
75-35-4	1,1-Dichloroethene	ND		2.0	0.58
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.82
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.78
95-50-1	1,2-Dichlorobenzene	ND		2.0	1.6
107-06-2	1,2-Dichloroethane	ND		2.0	0.42
78-87-5	1,2-Dichloropropane	ND		2.0	1.4
541-73-1	1,3-Dichlorobenzene	ND		2.0	1.6
106-46-7	1,4-Dichlorobenzene	ND		2.0	1.7
78-93-3	2-Butanone (MEK)	ND		20	2.6
591-78-6	2-Hexanone	ND		10	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	4.2
67-64-1	Acetone	ND		20	6.0
71-43-2	Benzene	ND		2.0	0.82
75-27-4	Dichlorobromomethane	ND		2.0	0.78
75-25-2	Bromoform	ND		2.0	0.52
74-83-9	Bromomethane	ND		2.0	1.4
75-15-0	Carbon disulfide	ND		2.0	0.38
56-23-5	Carbon tetrachloride	ND		2.0	0.54
108-90-7	Chlorobenzene	ND		2.0	1.5
124-48-1	Chlorodibromomethane	ND		2.0	0.64
75-00-3	Chloroethane	ND		2.0	0.64
67-66-3	Chloroform	ND		2.0	0.68
74-87-3	Chloromethane	ND		2.0	0.70
156-59-2	cis-1,2-Dichloroethene	4.0		2.0	1.6
10061-01-5	cis-1,3-Dichloropropene	ND		2.0	0.72
110-82-7	Cyclohexane	ND		2.0	0.36
75-71-8	Dichlorodifluoromethane	ND		2.0	1.4
100-41-4	Ethylbenzene	ND		2.0	1.5

MRT 6/20/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1

SDG No.:

Client Sample ID: MW-26A-20240808-01 | Lab Sample ID: 480-219702-43

Matrix: Water | Lab File ID: N7624.d

Analysis Method: 8260C | Date Collected: 05/08/2024 18:45

Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 04:48

Soil Aliquot Vol: | Dilution Factor: 2

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711577 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		2.0	1.5
98-82-8	Isopropylbenzene	ND		2.0	1.6
79-20-9	Methyl acetate	ND		5.0	2.6
1634-04-4	Methyl tert-butyl ether	ND		2.0	0.32
108-87-2	Methylcyclohexane	ND		2.0	0.32
75-09-2	Methylene Chloride	ND		2.0	0.88
100-42-5	Styrene	ND		2.0	1.5
127-18-4	Tetrachloroethene	ND		2.0	0.72
108-88-3	Toluene	ND		2.0	1.0
156-60-5	trans-1,2-Dichloroethene	ND		2.0	1.8
10061-02-6	trans-1,3-Dichloropropene	ND		2.0	0.74
79-01-6	Trichloroethene	ND		2.0	0.92
75-69-4	Trichlorofluoromethane	ND		2.0	1.8
75-01-4	Vinyl chloride	6.6		2.0	1.8
1330-20-7	Xylenes, Total	ND		4.0	1.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	96		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		77-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		75-123

MT 6/24/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1
SDG No.:
Client Sample ID: MW-21A-20240508-01 | Lab Sample ID: 480-219702-45
Matrix: Water | Lab File ID: N7645.d
Analysis Method: 8260C | Date Collected: 05/08/2024 12:55
Sample wt/vol: 5(mL) | Date Analyzed: 05/13/2024 14:13
Soil Aliquot Vol: | Dilution Factor: 1
Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)
Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:
% Moisture: % Solids: | Level: (low/med) Low
Analysis Batch No.: 711743 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

MS 6/20/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1

SDG No.:

Client Sample ID: MW-21A-20240508-01 | Lab Sample ID: 480-219702-45

Matrix: Water | Lab File ID: N7645.d

Analysis Method: 8260C | Date Collected: 05/08/2024 12:55

Sample wt/vol: 5(mL) | Date Analyzed: 05/13/2024 14:13

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711743 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		77-120
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
1868-53-7	Dibromofluoromethane (Surr)	102		75-123

MA 6/20/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1

SDG No.:

Client Sample ID: MW-36-20240508-01 | Lab Sample ID: 480-219702-46

Matrix: Water | Lab File ID: N7625.d

Analysis Method: 8260C | Date Collected: 05/08/2024 18:00

Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 05:11

Soil Aliquot Vol: | Dilution Factor: 4

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711577 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		4.0	3.3
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.0	0.84
79-00-5	1,1,2-Trichloroethane	ND		4.0	0.92
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2
75-34-3	1,1-Dichloroethane	ND		4.0	1.5
75-35-4	1,1-Dichloroethene	ND		4.0	1.2
120-82-1	1,2,4-Trichlorobenzene	ND		4.0	1.6
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.0	1.6
95-50-1	1,2-Dichlorobenzene	ND		4.0	3.2
107-06-2	1,2-Dichloroethane	ND		4.0	0.84
78-87-5	1,2-Dichloropropane	ND		4.0	2.9
541-73-1	1,3-Dichlorobenzene	ND		4.0	3.1
106-46-7	1,4-Dichlorobenzene	ND		4.0	3.4
78-93-3	2-Butanone (MEK)	ND		40	5.3
591-78-6	2-Hexanone	ND		20	5.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		20	8.4
67-64-1	Acetone	ND		40	12
71-43-2	Benzene	ND		4.0	1.6
75-27-4	Dichlorobromomethane	ND		4.0	1.6
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		4.0	2.8
75-15-0	Carbon disulfide	ND		4.0	0.76
56-23-5	Carbon tetrachloride	ND		4.0	1.1
108-90-7	Chlorobenzene	ND		4.0	3.0
124-48-1	Chlorodibromomethane	ND		4.0	1.3
75-00-3	Chloroethane	ND		4.0	1.3
67-66-3	Chloroform	ND		4.0	1.4
74-87-3	Chloromethane	ND		4.0	1.4
156-59-2	cis-1,2-Dichloroethene	7.8		4.0	3.2
10061-01-5	cis-1,3-Dichloropropene	ND		4.0	1.4
110-82-7	Cyclohexane	ND		4.0	0.72
75-71-8	Dichlorodifluoromethane	ND		4.0	2.7
100-41-4	Ethylbenzene	ND		4.0	3.0

MT 6/24/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1

SDG No.:

Client Sample ID: MW-36-20240508-01 | Lab Sample ID: 480-219702-46

Matrix: Water | Lab File ID: N7625.d

Analysis Method: 8260C | Date Collected: 05/08/2024 18:00

Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 05:11

Soil Aliquot Vol: | Dilution Factor: 4

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711577 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		4.0	2.9
98-82-8	Isopropylbenzene	ND		4.0	3.2
79-20-9	Methyl acetate	ND		10	5.2
1634-04-4	Methyl tert-butyl ether	ND		4.0	0.64
108-87-2	Methylcyclohexane	ND		4.0	0.64
75-09-2	Methylene Chloride	ND		4.0	1.8
100-42-5	Styrene	ND		4.0	2.9
127-18-4	Tetrachloroethene	ND		4.0	1.4
108-88-3	Toluene	ND		4.0	2.0
156-60-5	trans-1,2-Dichloroethene	4.2		4.0	3.6
10061-02-6	trans-1,3-Dichloropropene	ND		4.0	1.5
79-01-6	Trichloroethene	160		4.0	1.8
75-69-4	Trichlorofluoromethane	ND		4.0	3.5
75-01-4	Vinyl chloride	ND		4.0	3.6
1330-20-7	Xylenes, Total	ND		8.0	2.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	98		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		77-120
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
1868-53-7	Dibromofluoromethane (Surr)	98		75-123

NT 6/20/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1

SDG No.:

Client Sample ID: MW-49-20240506-01 | Lab Sample ID: 480-219702-47

Matrix: Water | Lab File ID: N7626.d

Analysis Method: 8260C | Date Collected: 05/06/2024 17:40

Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 05:33

Soil Aliquot Vol: | Dilution Factor: 8

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711577 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		8.0	6.6
79-34-5	1,1,2,2-Tetrachloroethane	ND		8.0	1.7
79-00-5	1,1,2-Trichloroethane	ND		8.0	1.8
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.0	2.5
75-34-3	1,1-Dichloroethane	ND		8.0	3.0
75-35-4	1,1-Dichloroethene	ND		8.0	2.3
120-82-1	1,2,4-Trichlorobenzene	ND		8.0	3.3
96-12-8	1,2-Dibromo-3-Chloropropane	ND		8.0	3.1
95-50-1	1,2-Dichlorobenzene	ND		8.0	6.3
107-06-2	1,2-Dichloroethane	ND		8.0	1.7
78-87-5	1,2-Dichloropropane	ND		8.0	5.8
541-73-1	1,3-Dichlorobenzene	ND		8.0	6.2
106-46-7	1,4-Dichlorobenzene	ND		8.0	6.7
78-93-3	2-Butanone (MEK)	ND		80	11
591-78-6	2-Hexanone	ND		40	9.9
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		40	17
67-64-1	Acetone	ND		80	24
71-43-2	Benzene	ND		8.0	3.3
75-27-4	Dichlorobromomethane	ND		8.0	3.1
75-25-2	Bromoform	ND		8.0	2.1
74-83-9	Bromomethane	ND		8.0	5.5
75-15-0	Carbon disulfide	ND		8.0	1.5
56-23-5	Carbon tetrachloride	ND		8.0	2.2
108-90-7	Chlorobenzene	ND		8.0	6.0
124-48-1	Chlorodibromomethane	ND		8.0	2.6
75-00-3	Chloroethane	ND		8.0	2.6
67-66-3	Chloroform	ND		8.0	2.7
74-87-3	Chloromethane	ND		8.0	2.8
156-59-2	cis-1,2-Dichloroethene	9.1		8.0	6.5
10061-01-5	cis-1,3-Dichloropropene	ND		8.0	2.9
110-82-7	Cyclohexane	ND		8.0	1.4
75-71-8	Dichlorodifluoromethane	ND		8.0	5.4
100-41-4	Ethylbenzene	ND		8.0	5.9

MT 6/20/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1

SDG No.:

Client Sample ID: MW-49-20240506-01 | Lab Sample ID: 480-219702-47

Matrix: Water | Lab File ID: N7626.d

Analysis Method: 8260C | Date Collected: 05/06/2024 17:40

Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 05:33

Soil Aliquot Vol: | Dilution Factor: 8

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711577 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		8.0	5.8
98-82-8	Isopropylbenzene	ND		8.0	6.3
79-20-9	Methyl acetate	ND		20	10
1634-04-4	Methyl tert-butyl ether	ND		8.0	1.3
108-87-2	Methylcyclohexane	ND		8.0	1.3
75-09-2	Methylene Chloride	ND		8.0	3.5
100-42-5	Styrene	ND		8.0	5.8
127-18-4	Tetrachloroethene	ND		8.0	2.9
108-88-3	Toluene	ND		8.0	4.1
156-60-5	trans-1,2-Dichloroethene	ND		8.0	7.2
10061-02-6	trans-1,3-Dichloropropene	ND		8.0	3.0
79-01-6	Trichloroethene	ND		8.0	3.7
75-69-4	Trichlorofluoromethane	ND		8.0	7.0
75-01-4	Vinyl chloride	460		8.0	7.2
1330-20-7	Xylenes, Total	ND		16	5.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		77-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
1868-53-7	Dibromofluoromethane (Surr)	99		75-123

MT 6/20/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1

SDG No.:

Client Sample ID: MW-50-20240506-01 | Lab Sample ID: 480-219702-48

Matrix: Water | Lab File ID: S8570.d

Analysis Method: 8260C | Date Collected: 05/06/2024 17:40

Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 18:17

Soil Aliquot Vol: | Dilution Factor: 2

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711639 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		2.0	1.6
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.0	0.42
79-00-5	1,1,2-Trichloroethane	ND		2.0	0.46
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62
75-34-3	1,1-Dichloroethane	ND		2.0	0.76
75-35-4	1,1-Dichloroethene	ND		2.0	0.58
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.82
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.78
95-50-1	1,2-Dichlorobenzene	ND		2.0	1.6
107-06-2	1,2-Dichloroethane	ND		2.0	0.42
78-87-5	1,2-Dichloropropane	ND		2.0	1.4
541-73-1	1,3-Dichlorobenzene	ND		2.0	1.6
106-46-7	1,4-Dichlorobenzene	ND		2.0	1.7
78-93-3	2-Butanone (MEK)	ND		20	2.6
591-78-6	2-Hexanone	ND		10	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	4.2
67-64-1	Acetone	ND		20	6.0
71-43-2	Benzene	ND		2.0	0.82
75-27-4	Dichlorobromomethane	ND		2.0	0.78
75-25-2	Bromoform	ND		2.0	0.52
74-83-9	Bromomethane	ND		2.0	1.4
75-15-0	Carbon disulfide	ND		2.0	0.38
56-23-5	Carbon tetrachloride	ND		2.0	0.54
108-90-7	Chlorobenzene	ND		2.0	1.5
124-48-1	Chlorodibromomethane	ND		2.0	0.64
75-00-3	Chloroethane	ND		2.0	0.64
67-66-3	Chloroform	ND		2.0	0.68
74-87-3	Chloromethane	ND		2.0	0.70
156-59-2	cis-1,2-Dichloroethene	34		2.0	1.6
10061-01-5	cis-1,3-Dichloropropene	ND		2.0	0.72
110-82-7	Cyclohexane	ND		2.0	0.36
75-71-8	Dichlorodifluoromethane	ND		2.0	1.4
100-41-4	Ethylbenzene	ND		2.0	1.5

MT 6/24/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1
SDG No.:
Client Sample ID: MW-50-20240506-01 | Lab Sample ID: 480-219702-48
Matrix: Water | Lab File ID: S8570.d
Analysis Method: 8260C | Date Collected: 05/06/2024 17:40
Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 18:17
Soil Aliquot Vol: | Dilution Factor: 2
Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)
Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:
% Moisture: % Solids: | Level: (low/med) Low
Analysis Batch No.: 711639 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		2.0	1.5
98-82-8	Isopropylbenzene	ND		2.0	1.6
79-20-9	Methyl acetate	ND		5.0	2.6
1634-04-4	Methyl tert-butyl ether	ND		2.0	0.32
108-87-2	Methylcyclohexane	ND		2.0	0.32
75-09-2	Methylene Chloride	ND		2.0	0.88
100-42-5	Styrene	ND		2.0	1.5
127-18-4	Tetrachloroethene	ND		2.0	0.72
108-88-3	Toluene	ND		2.0	1.0
156-60-5	trans-1,2-Dichloroethene	ND		2.0	1.8
10061-02-6	trans-1,3-Dichloropropene	ND		2.0	0.74
79-01-6	Trichloroethene	ND		2.0	0.92
75-69-4	Trichlorofluoromethane	ND		2.0	1.8
75-01-4	Vinyl chloride	70		2.0	1.8
1330-20-7	Xylenes, Total	ND		4.0	1.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	115		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	115		77-120
460-00-4	4-Bromofluorobenzene (Surr)	116		73-120
1868-53-7	Dibromofluoromethane (Surr)	116		75-123

MT 6/20/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1

SDG No.:

Client Sample ID: MW-11A-20240507-01 | Lab Sample ID: 480-219702-49

Matrix: Water | Lab File ID: S8571.d

Analysis Method: 8260C | Date Collected: 05/07/2024 07:50

Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 18:40

Soil Aliquot Vol: | Dilution Factor: 10

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711639 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		10	8.2
79-34-5	1,1,2,2-Tetrachloroethane	ND		10	2.1
79-00-5	1,1,2-Trichloroethane	ND		10	2.3
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1
75-34-3	1,1-Dichloroethane	ND		10	3.8
75-35-4	1,1-Dichloroethene	ND		10	2.9
120-82-1	1,2,4-Trichlorobenzene	ND		10	4.1
96-12-8	1,2-Dibromo-3-Chloropropane	ND		10	3.9
95-50-1	1,2-Dichlorobenzene	ND		10	7.9
107-06-2	1,2-Dichloroethane	ND		10	2.1
78-87-5	1,2-Dichloropropane	ND		10	7.2
541-73-1	1,3-Dichlorobenzene	ND		10	7.8
106-46-7	1,4-Dichlorobenzene	ND		10	8.4
78-93-3	2-Butanone (MEK)	ND		100	13
591-78-6	2-Hexanone	ND		50	12
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		50	21
67-64-1	Acetone	ND		100	30
71-43-2	Benzene	ND		10	4.1
75-27-4	Dichlorobromomethane	ND		10	3.9
75-25-2	Bromoform	ND		10	2.6
74-83-9	Bromomethane	ND		10	6.9
75-15-0	Carbon disulfide	ND		10	1.9
56-23-5	Carbon tetrachloride	ND		10	2.7
108-90-7	Chlorobenzene	ND		10	7.5
124-48-1	Chlorodibromomethane	ND		10	3.2
75-00-3	Chloroethane	ND		10	3.2
67-66-3	Chloroform	ND		10	3.4
74-87-3	Chloromethane	ND		10	3.5
156-59-2	cis-1,2-Dichloroethene	370		10	8.1
10061-01-5	cis-1,3-Dichloropropene	ND		10	3.6
110-82-7	Cyclohexane	ND		10	1.8
75-71-8	Dichlorodifluoromethane	ND		10	6.8
100-41-4	Ethylbenzene	ND		10	7.4

MT 5/20/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1

SDG No.:

Client Sample ID: MW-11A-20240507-01 | Lab Sample ID: 480-219702-49

Matrix: Water | Lab File ID: S8571.d

Analysis Method: 8260C | Date Collected: 05/07/2024 07:50

Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 18:40

Soil Aliquot Vol: | Dilution Factor: 10

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711639 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		10	7.3
98-82-8	Isopropylbenzene	ND		10	7.9
79-20-9	Methyl acetate	ND		25	13
1634-04-4	Methyl tert-butyl ether	ND		10	1.6
108-87-2	Methylcyclohexane	ND		10	1.6
75-09-2	Methylene Chloride	ND		10	4.4
100-42-5	Styrene	ND		10	7.3
127-18-4	Tetrachloroethene	ND		10	3.6
108-88-3	Toluene	ND		10	5.1
156-60-5	trans-1,2-Dichloroethene	ND		10	9.0
10061-02-6	trans-1,3-Dichloropropene	ND		10	3.7
79-01-6	Trichloroethene	ND		10	4.6
75-69-4	Trichlorofluoromethane	ND		10	8.8
75-01-4	Vinyl chloride	290		10	9.0
1330-20-7	Xylenes, Total	ND		20	6.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	115		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	118		77-120
460-00-4	4-Bromofluorobenzene (Surr)	114		73-120
1868-53-7	Dibromofluoromethane (Surr)	110		75-123

MT 6/20/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1

SDG No.:

Client Sample ID: MW-7-20240508-01 | Lab Sample ID: 480-219702-50

Matrix: Water | Lab File ID: N7646.d

Analysis Method: 8260C | Date Collected: 05/08/2024 18:15

Sample wt/vol: 5(mL) | Date Analyzed: 05/13/2024 14:35

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711743 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	0.87	J	1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	16		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

MT 6/20/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1
SDG No.:
Client Sample ID: MW-7-20240508-01 | Lab Sample ID: 480-219702-50
Matrix: Water | Lab File ID: N7646.d
Analysis Method: 8260C | Date Collected: 05/08/2024 18:15
Sample wt/vol: 5(mL) | Date Analyzed: 05/13/2024 14:35
Soil Aliquot Vol: | Dilution Factor: 1
Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)
Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:
% Moisture: % Solids: | Level: (low/med) Low
Analysis Batch No.: 711743 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	46		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	95		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		77-120
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
1868-53-7	Dibromofluoromethane (Surr)	92		75-123

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FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1

SDG No.:

Client Sample ID: MW-21-20240508-01 | Lab Sample ID: 480-219702-51

Matrix: Water | Lab File ID: N7647.d

Analysis Method: 8260C | Date Collected: 05/08/2024 12:10

Sample wt/vol: 5(mL) | Date Analyzed: 05/13/2024 14:58

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711743 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

MT 6/20/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1
SDG No.:
Client Sample ID: MW-21-20240508-01 | Lab Sample ID: 480-219702-51
Matrix: Water | Lab File ID: N7647.d
Analysis Method: 8260C | Date Collected: 05/08/2024 12:10
Sample wt/vol: 5(mL) | Date Analyzed: 05/13/2024 14:58
Soil Aliquot Vol: | Dilution Factor: 1
Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)
Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:
% Moisture: % Solids: | Level: (low/med) Low
Analysis Batch No.: 711743 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	2.6		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		77-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123

MF 6/20/24

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FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1

SDG No.:

Client Sample ID: MW-14-20240508-01 | Lab Sample ID: 480-219702-52

Matrix: Water | Lab File ID: N7627.d

Analysis Method: 8260C | Date Collected: 05/08/2024 14:45

Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 05:55

Soil Aliquot Vol: | Dilution Factor: 4

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711577 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		4.0	3.3
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.0	0.84
79-00-5	1,1,2-Trichloroethane	ND		4.0	0.92
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2
75-34-3	1,1-Dichloroethane	ND		4.0	1.5
75-35-4	1,1-Dichloroethene	ND		4.0	1.2
120-82-1	1,2,4-Trichlorobenzene	ND		4.0	1.6
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.0	1.6
95-50-1	1,2-Dichlorobenzene	ND		4.0	3.2
107-06-2	1,2-Dichloroethane	ND		4.0	0.84
78-87-5	1,2-Dichloropropane	ND		4.0	2.9
541-73-1	1,3-Dichlorobenzene	ND		4.0	3.1
106-46-7	1,4-Dichlorobenzene	ND		4.0	3.4
78-93-3	2-Butanone (MEK)	ND		40	5.3
591-78-6	2-Hexanone	ND		20	5.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		20	8.4
67-64-1	Acetone	ND		40	12
71-43-2	Benzene	ND		4.0	1.6
75-27-4	Dichlorobromomethane	ND		4.0	1.6
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		4.0	2.8
75-15-0	Carbon disulfide	ND		4.0	0.76
56-23-5	Carbon tetrachloride	ND		4.0	1.1
108-90-7	Chlorobenzene	ND		4.0	3.0
124-48-1	Chlorodibromomethane	ND		4.0	1.3
75-00-3	Chloroethane	ND		4.0	1.3
67-66-3	Chloroform	ND		4.0	1.4
74-87-3	Chloromethane	ND		4.0	1.4
156-59-2	cis-1,2-Dichloroethene	42		4.0	3.2
10061-01-5	cis-1,3-Dichloropropene	ND		4.0	1.4
110-82-7	Cyclohexane	ND		4.0	0.72
75-71-8	Dichlorodifluoromethane	ND		4.0	2.7
100-41-4	Ethylbenzene	ND		4.0	3.0

MT 6/20/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1
SDG No.:
Client Sample ID: MW-14-20240508-01 | Lab Sample ID: 480-219702-52
Matrix: Water | Lab File ID: N7627.d
Analysis Method: 8260C | Date Collected: 05/08/2024 14:45
Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 05:55
Soil Aliquot Vol: | Dilution Factor: 4
Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)
Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:
% Moisture: % Solids: | Level: (low/med) Low
Analysis Batch No.: 711577 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		4.0	2.9
98-82-8	Isopropylbenzene	ND		4.0	3.2
79-20-9	Methyl acetate	ND		10	5.2
1634-04-4	Methyl tert-butyl ether	ND		4.0	0.64
108-87-2	Methylcyclohexane	ND		4.0	0.64
75-09-2	Methylene Chloride	ND		4.0	1.8
100-42-5	Styrene	ND		4.0	2.9
127-18-4	Tetrachloroethene	ND		4.0	1.4
108-88-3	Toluene	ND		4.0	2.0
156-60-5	trans-1,2-Dichloroethene	ND		4.0	3.6
10061-02-6	trans-1,3-Dichloropropene	ND		4.0	1.5
79-01-6	Trichloroethene	ND		4.0	1.8
75-69-4	Trichlorofluoromethane	ND		4.0	3.5
75-01-4	Vinyl chloride	70		4.0	3.6
1330-20-7	Xylenes, Total	ND		8.0	2.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	98		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		77-120
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		75-123

MT 6/24/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1

SDG No.:

Client Sample ID: MW-37A-02040507-01 | Lab Sample ID: 480-219702-54

Matrix: Water | Lab File ID: S8572.d

Analysis Method: 8260C | Date Collected: 05/07/2024 16:10

Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 19:04

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711639 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74

MS 6/24/24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219702-1

SDG No.:

Client Sample ID: MW-37A-02040507-01 | Lab Sample ID: 480-219702-54

Matrix: Water | Lab File ID: S8572.d

Analysis Method: 8260C | Date Collected: 05/07/2024 16:10

Sample wt/vol: 5(mL) | Date Analyzed: 05/11/2024 19:04

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711639 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
1868-53-7	Dibromofluoromethane (Surr)	93		75-123

MT 6/24/24

ENVIRONMENTAL
Data Services, Inc.

DATA USABILITY SUMMARY REPORT
FORMER LEICA SITE, CHEEKTOWAGA, NEW YORK

Client: Environmental Resources Management, Inc., Syracuse, New York
SDG: 480-224123-1
Laboratory: Eurofins, Buffalo, New York
Site: Former Leica, Inc. Site, Cheektowaga, NY
Date: December 2, 2024

VOC			
EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	TB-02-20241008-01	480-224123-1	Water
2	EB-02-20241008-01	480-224123-2	Water
3	MW-25-20241008-01	480-224123-3	Water
4	MW-26A-20241008-01	480-224123-4	Water
5	MW-28A-20241008-01	480-224123-5	Water
6	MW-25A-20241008-01	480-224123-6	Water
6MS	MW-25A-20241008-01MS	480-224123-6MS	Water
6MSD	MW-25A-20241008-01MSD	480-224123-6MSD	Water
7	MW-29A-20241008-01	480-224123-7	Water
8	MW-27A-20241008-01	480-224123-8	Water
9	MW-27-20241008-01	480-224123-9	Water
10	MW-37A-20241008-01	480-224123-10	Water
11	MW-38A-20241008-01	480-224123-11	Water
12	MW-34A 20241008 01	480 224123 12	Water
12MS	MW-34A-20241008-01MS	480-224123-12MS	Water
12MSD	MW-34A-20241008-01MSD	480-224123-12MSD	Water
13	MW-33A-20241008-01	480-224123-13	Water
14	MW-35A-20241008-01	480-224123-14	Water
15	MW-36-20241008-01	480-224123-15	Water
16	MW-6A-20241008-01	480-224123-16	Water
17	MW-11A-20241008-01	480-224123-17	Water
18	DUP-01-20241008-01	480-224123-18	Water
19	DUP-02-20241008-01	480-224123-19	Water

MEE, Metals (T/D), Wet Chemistry			
EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
3	MW-25-20241008-01	480-224123-3	Water
4	MW-26A 20241008 01	480-224123-4	Water
5	MW-28A-20241008-01	480-224123-5	Water
6	MW-25A-20241008-01	480-224123-6	Water
6MS	MW-25A-20241008-01MS	480 224123 6MS	Water
6MSD	MW-25A-20241008-01MSD	480-224123-6MSD	Water
7	MW-29A-20241008-01	480-224123-7	Water
16	MW 6A-20241008-01	480-224123-16	Water
17	MW-11A-20241008-01	480-224123-17	Water
18	DUP 01 20241008 01	480-224123-18	Water

A Data Usability Summary Review was performed on the analytical data for sixteen water samples, one aqueous trip blank sample, and one aqueous equipment blank sample collected on October 8, 2024 by ERM at the Former Leica Site in Cheektowaga, New York. The samples were analyzed under Environmental Protection Agency (USEPA) Test Methods for the Evaluation of Solid Waste, USEPA SW-846, Third Edition, September 1986, with revisions, the Method for Analysis of Dissolved Gas in Water, the Methods for Chemical Analysis of Water and Wastes, the ASTM Standard Test Method for Sulfate Ion in Water, and the Standard Methods for Examination of Water and Wastewater.

Specific method references are as follows:

Analysis	*Method References*
VOC	USEPA SW-846 Method 8260C
MEE	USEPA Method RSK175
Metals (Fe/Mn) (T/D)	USEPA SW-846 Method 6010D
Nitrate	USEPA Method 353.2
Sulfate	ASTM Method D516-90, 02
Alkalinity	Standard Method SM2320B
Chloride	Standard Method SM4500 Cl-E
Sulfide	Standard Method SM4500 S2 F
TOC	Standard Method SM5310C

The data have been validated according to the protocols and quality control (QC) requirements of the analytical methods and the USEPA Region II Data Review Standard Operating Procedures (SOPs) as follows:

- SOP Number QA-HWSS-A-004, March 2022, Standard Operating Procedure for the Validation of Volatile Data;
- SOP Number QA-HWSS-A-010, March 2022, Standard Operating Procedure for ICP-AES Data Validation;
- SOP Number QA-HWSS-A-012, March 2022, Standard Operating Procedure for Validation of Cyanide Data;
- and the reviewer's professional judgment.

The following items/criteria were reviewed for this report:

Organics

- Data Completeness
- Holding times and sample preservation
- Gas Chromatography (GC)/Mass Spectroscopy (MS) tuning
- Liquid Chromatography (LC)/Mass Spectroscopy (MS) tuning
- Initial and continuing calibration summaries
- Method blank and field blank contamination
- Surrogate Spike recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries
- Laboratory Control Sample (LCS) recoveries
- Compound Quantitation
- Internal standard area and retention time summary forms

- Method blank and field blank contamination
- Tentatively Identified Compounds (TICs)
- Field Duplicate sample precision

Inorganics

- Data Completeness
- Holding times and sample preservation
- Initial and continuing calibration verifications
- Method blank and field blank contamination
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries
- Duplicate Sample Analysis recoveries
- Laboratory Control Sample (LCS) recoveries
- ICP Serial Dilution
- Compound Quantitation
- Field Duplicate sample precision

Data Usability Assessment

There were no rejections of data.

The data are acceptable for the intended purposes as qualified for the deficiencies detailed in this report.

Please note that any results qualified (U) due to blank contamination may be then qualified (J) due to another action. Therefore, the results may be qualified (UJ) due to the culmination of the blank contaminations and actions from other exceedances of QC criteria.

Data Completeness

- The data is a complete Category B data package as defined under the requirements for the NYS Department of Environmental Conservation Analytical Services Protocol.

Volatile Organic Compounds (VOCs)

Holding Times

- All samples were analyzed within 14 days for preserved water samples.

GC/MS Tuning

- All criteria were met.

Initial Calibration

- The initial calibrations exhibited acceptable %RSD and/or correlation coefficients and mean RRF values.

Continuing Calibration

- The following table presents compounds that exceeded percent difference (%D) criteria and/or RRF values <0.05 in the continuing calibration (CCAL). A low RRF indicates poor instrument sensitivity for these compounds. Positive results for these compounds in the affected samples are considered estimated and qualified (J). Non-detect results for these compounds in the affected samples are rejected (R) and are unusable for project objectives. A high %D may indicate a potential high or low bias. All results for these compounds in affected samples are considered estimated and qualified (J/UJ).

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
10/09/24 (1151)	Trichlorofluoromethane	21.3%	UJ	4
10/09/24 (1031)	Trichlorofluoromethane	21.4%	UJ	1-3, 5-14, 16-19
10/10/24 (1708)	Trichlorofluoromethane	34.3%	UJ	15

Method Blank

- The method blanks were free of contamination.

Field Blank

- The following table lists field blanks with contamination and the samples associated with the blanks that had results qualified as a consequence of the blank contamination. Detected sample concentrations of methylene chloride, 2-butanone, toluene or acetone (common laboratory contaminants) less than ten times (10x) the highest associated blank (after taking sample dilution levels, percent moisture and sample volume into account) are negated and qualified with a (U). For all other compounds, an action level of five times (5x) the highest associated blank concentration is used.

Sample ID	Compound	Conc. ug/L	Qualifier	Affected Samples
TB-02-20241008-01	None - ND	-	-	-
EB-02-20241008-01	None - ND	-	-	-

Surrogate Spike Recoveries

- All samples exhibited acceptable surrogate percent recoveries (%R).

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- The following table presents MS/MSD samples that exhibited percent recoveries (%R) outside the QC limits and/or relative percent differences (RPD) above QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J). Results are valid and usable, however possibly biased.

Sample ID	Compound	MS %R/MSD %R/RPD	Qualifier
6	Chloromethane	OK/130%/OK	None - Sample ND
	1,1-Dichloroethane	121%/OK/OK	
	Isopropylbenzene	124%/123%/OK	
	Vinyl Chloride	OK/140%/OK	J
12	Vinyl Chloride	60%/OK/OK	J

Laboratory Control Samples

- The LCS samples exhibited acceptable percent recoveries (%R).

Internal Standard (IS) Area Performance

- All internal standards met response and retention time (RT) criteria.

Compound Quantitation

- Several samples were analyzed at various dilutions due to high concentrations of target compounds and/or foaming. The reporting limits were adjusted accordingly. No action was required.

Tentatively Identified Compounds (TICs)

- TICs were not reported.

Field Duplicate Sample Precision

- Field duplicate results are summarized below. The precision was acceptable.

Compound	MW-28A-20241008-01 ug/L	DUP-01-20241008-01 ug/L	RPD	Qualifier
cis-1,2-Dichloroethene	1.4	1.3	7%	None
Vinyl Chloride	7.5	6.8	10%	

Compound	MW-37A-20241008-01 ug/L	DUP-02-20241008-01 ug/L	RPD	Qualifier
None	ND	ND	-	-

Dissolved Gas (MEE)

Holding Times

- All samples were analyzed within 14 days for preserved water samples.

Initial Calibration

- The initial calibrations exhibited acceptable %RSD and/or correlation coefficients.

Continuing Calibration

- The continuing calibrations exhibited acceptable percent differences (%D).

Method Blank

- The method blanks were free of contamination.

Field Blank

- Field blank samples were not collected.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- The MS/MSD samples exhibited acceptable percent recoveries (%R) and RPD values.

Laboratory Control Samples (LCS/LCSD)

- The LCS/LCSD samples exhibited acceptable percent recoveries (%R) and RPD values.

Compound Quantitation

- Several samples were analyzed at various dilutions due to high concentrations of target compounds. The reporting limits were adjusted accordingly. No action was required.

Field Duplicate Sample Precision

- Field duplicate results are summarized below. The precision was acceptable.

Compound	MW-28A-20241008-01 ug/L	DUP-01-20241008-01 ug/L	RPD	Qualifier
Ethane	8.8	170U	NC	None
Ethene	2.0	150U	NC	
Methane	1400	1200	15%	

Metals (Fe/Mn) (Total & Dissolved)

Holding Times

- All samples were prepared and analyzed within 180 days.

Initial Calibration Verification

- All initial calibration criteria were met.

Continuing Calibration Verification

- All continuing calibration criteria were met.

Method Blank

- The method blanks were free of contamination.

Field Blank

- Field blank samples were not collected.

Matrix Spike (MS) Recoveries

- The MS/MSD samples exhibited acceptable percent recoveries (%R) and RPD values.

Duplicate Sample Analysis

- A duplicate sample was not analyzed.

Laboratory Control Samples

- The LCS samples exhibited acceptable percent recoveries (%R).

ICP Serial Dilution

- ICP serial dilution samples were not analyzed.

Compound Quantitation

- All criteria were met.

Field Duplicate Sample Precision

- Field duplicate results are summarized below. The precision was acceptable.

Total Metals				
Compound	MW-28A-20241008-01 mg/L	DUP-01-20241008-01 mg/L	RPD	Qualifier
Iron	7.6	7.3	4%	None
Manganese	0.11	0.11	0%	

Dissolved Metals				
Compound	MW-28A-20241008-01 mg/L	DUP-01-20241008-01 mg/L	RPD	Qualifier
Iron	7.8	7.6	3%	None
Manganese	0.11	0.11	0%	

Nitrate, Sulfate, Alkalinity, Chloride, Sulfide, TOC

Holding Times

- All samples were prepared and analyzed the recommended holding time except for the following.

Nitrate				
EDS Sample	Date Sampled	Date Analyzed	# of Days	Qualifier
3-7, 18	10/08/24	10/10/24	>48 Hrs	J/UJ

Initial Calibration Verification

- All initial calibration criteria were met.

Continuing Calibration Verification

- All continuing calibration criteria were met.

Method Blank

- The method blanks were free of contamination.

Field Blank

- Field blank samples were not collected.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- The following table presents MS/MSD samples that exhibited percent recoveries (%R) outside the QC limits and/or relative percent differences (RPD) above QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J). Results are valid and usable, however possibly biased.

Sample ID	Compound	MS %R/MSD %R/RPD	Qualifier
6	Sulfate	34%/30%/OK	J
	Alkalinity	46%/46%/OK	None - 4X Rule Applies
	Sulfide	284%/284%/OK	J

Duplicate Sample Analysis

- A duplicate sample was not collected.

Laboratory Control Samples

- The LCS samples exhibited acceptable percent recoveries (%R).

Compound Quantitation

- Several samples were analyzed at various dilutions due to high concentrations of target compounds. The reporting limits were adjusted accordingly. No action was required.

Field Duplicate Sample Precision

- Field duplicate results are summarized below. The precision was acceptable.

Compound	MW-28A-20241008-01 mg/L	DUP-01-20241008-01 mg/L	RPD	Qualifier
Sulfate	22.8	23.3	2%	None
Alkalinity	407	404	1%	
Chloride	70.8	70.8	0%	
TOC	1.0U	0.52	NC	

Please contact the undersigned at (561) 475-2000 if you have any questions or need further information.

Signed: Nancy Weaver Dated: 12/4/24

Nancy Weaver
Senior Chemist

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
NJ	The analysis has been "tentatively identified" or "presumptively" as present and the associated numerical value is the estimated concentration in the samples.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limits is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-224123-1

SDG No.:

Client Sample ID: TB-02-20241008-01 | Lab Sample ID: 480-224123-1

Matrix: Water | Lab File ID: D7368.d

Analysis Method: 8260C | Date Collected: 10/08/2024 08:00

Sample wt/vol: 5(mL) | Date Analyzed: 10/09/2024 12:22

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 727578 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

1

Lab Name: Eurofins Buffalo | Job No.: 480-224123-1

SDG No.:

Client Sample ID: TB-02-20241008-01 | Lab Sample ID: 480-224123-1

Matrix: Water | Lab File ID: D7368.d

Analysis Method: 8260C | Date Collected: 10/08/2024 08:00

Sample wt/vol: 5(mL) | Date Analyzed: 10/09/2024 12:22

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 727578 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND	UJ	1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120
1868-53-7	Dibromofluoromethane (Surr)	102		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

2

Lab Name: Eurofins Buffalo Job No.: 480-224123-1

SDG No.:

Client Sample ID: EB-02-20241008-01 Lab Sample ID: 480-224123-2

Matrix: Water Lab File ID: D7369.d

Analysis Method: 8260C Date Collected: 10/08/2024 08:05

Sample wt/vol: 5(mL) Date Analyzed: 10/09/2024 12:44

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 727578 Units: ug/L

Preparation Batch No.: Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

2

Lab Name: Eurofins Buffalo Job No.: 480-224123-1

SDG No.:

Client Sample ID: EB-02-20241008-01 Lab Sample ID: 480-224123-2

Matrix: Water Lab File ID: D7369.d

Analysis Method: 8260C Date Collected: 10/08/2024 08:05

Sample wt/vol: 5(mL) Date Analyzed: 10/09/2024 12:44

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 727578 Units: ug/L

Preparation Batch No.: Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND	UJ	1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		77-120
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120
1868-53-7	Dibromofluoromethane (Surr)	102		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

3

Lab Name: Eurofins Buffalo | Job No.: 480-224123-1

SDG No.:

Client Sample ID: MW-25-20241008-01 | Lab Sample ID: 480-224123-3

Matrix: Water | Lab File ID: D7370.d

Analysis Method: 8260C | Date Collected: 10/08/2024 08:45

Sample wt/vol: 5(mL) | Date Analyzed: 10/09/2024 13:06

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 727578 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

3

Lab Name: Eurofins Buffalo | Job No.: 480-224123-1

SDG No.:

Client Sample ID: MW-25-20241008-01 | Lab Sample ID: 480-224123-3

Matrix: Water | Lab File ID: D7370.d

Analysis Method: 8260C | Date Collected: 10/08/2024 08:45

Sample wt/vol: 5(mL) | Date Analyzed: 10/09/2024 13:06

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 727578 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	1.8		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND	UJ	1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	98		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		77-120
460-00-4	4-Bromofluorobenzene (Surr)	95		73-120
1868-53-7	Dibromofluoromethane (Surr)	102		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

4

Lab Name: Eurofins Buffalo | Job No.: 480-224123-1

SDG No.:

Client Sample ID: MW-26A-20241008-01 | Lab Sample ID: 480-224123-4

Matrix: Water | Lab File ID: N0322.d

Analysis Method: 8260C | Date Collected: 10/08/2024 09:15

Sample wt/vol: 5(mL) | Date Analyzed: 10/09/2024 22:24

Soil Aliquot Vol: | Dilution Factor: 4

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 727574 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5973N

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		4.0	3.3
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.0	0.84
79-00-5	1,1,2-Trichloroethane	ND		4.0	0.92
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2
75-34-3	1,1-Dichloroethane	ND		4.0	1.5
75-35-4	1,1-Dichloroethene	ND		4.0	1.2
120-82-1	1,2,4-Trichlorobenzene	ND		4.0	1.6
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.0	1.6
95-50-1	1,2-Dichlorobenzene	ND		4.0	3.2
107-06-2	1,2-Dichloroethane	ND		4.0	0.84
78-87-5	1,2-Dichloropropane	ND		4.0	2.9
541-73-1	1,3-Dichlorobenzene	ND		4.0	3.1
106-46-7	1,4-Dichlorobenzene	ND		4.0	3.4
78-93-3	2-Butanone (MEK)	ND		40	5.3
591-78-6	2-Hexanone	ND		20	5.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		20	8.4
67-64-1	Acetone	ND		40	12
71-43-2	Benzene	ND		4.0	1.6
75-27-4	Dichlorobromomethane	ND		4.0	1.6
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		4.0	2.8
75-15-0	Carbon disulfide	ND		4.0	0.76
56-23-5	Carbon tetrachloride	ND		4.0	1.1
108-90-7	Chlorobenzene	ND		4.0	3.0
124-48-1	Chlorodibromomethane	ND		4.0	1.3
75-00-3	Chloroethane	ND		4.0	1.3
67-66-3	Chloroform	ND		4.0	1.4
74-87-3	Chloromethane	ND		4.0	1.4
156-59-2	cis-1,2-Dichloroethene	82		4.0	3.2
10061-01-5	cis-1,3-Dichloropropene	ND		4.0	1.4
110-82-7	Cyclohexane	ND		4.0	0.72
75-71-8	Dichlorodifluoromethane	ND		4.0	2.7

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

4

Lab Name: Eurofins Buffalo | Job No.: 480-224123-1

SDG No.:

Client Sample ID: MW-26A-20241008-01 | Lab Sample ID: 480-224123-4

Matrix: Water | Lab File ID: N0322.d

Analysis Method: 8260C | Date Collected: 10/08/2024 09:15

Sample wt/vol: 5(mL) | Date Analyzed: 10/09/2024 22:24

Soil Aliquot Vol: | Dilution Factor: 4

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 727574 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5973N

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		4.0	3.0
106-93-4	1,2-Dibromoethane	ND		4.0	2.9
98-82-8	Isopropylbenzene	ND		4.0	3.2
79-20-9	Methyl acetate	ND		10	5.2
1634-04-4	Methyl tert-butyl ether	ND		4.0	0.64
108-87-2	Methylcyclohexane	ND		4.0	0.64
75-09-2	Methylene Chloride	ND		4.0	1.8
100-42-5	Styrene	ND		4.0	2.9
127-18-4	Tetrachloroethene	ND		4.0	1.4
108-88-3	Toluene	ND		4.0	2.0
156-60-5	trans-1,2-Dichloroethene	ND		4.0	3.6
10061-02-6	trans-1,3-Dichloropropene	ND		4.0	1.5
79-01-6	Trichloroethene	ND		4.0	1.8
75-69-4	Trichlorofluoromethane	ND	UJ	4.0	3.5
75-01-4	Vinyl chloride	260		4.0	3.6
1330-20-7	Xylenes, Total	ND		8.0	2.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	90		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		77-120
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
1868-53-7	Dibromofluoromethane (Surr)	93		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

5

Lab Name: Eurofins Buffalo Job No.: 480-224123-1

SDG No.:

Client Sample ID: MW-28A-20241008-01 Lab Sample ID: 480-224123-5

Matrix: Water Lab File ID: D7372.d

Analysis Method: 8260C Date Collected: 10/08/2024 09:50

Sample wt/vol: 5(mL) Date Analyzed: 10/09/2024 13:50

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 727578 Units: ug/L

Preparation Batch No.: Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	1.4		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

5

Lab Name: Eurofins Buffalo | Job No.: 480-224123-1

SDG No.:

Client Sample ID: MW-28A-20241008-01 | Lab Sample ID: 480-224123-5

Matrix: Water | Lab File ID: D7372.d

Analysis Method: 8260C | Date Collected: 10/08/2024 09:50

Sample wt/vol: 5(mL) | Date Analyzed: 10/09/2024 13:50

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 727578 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND	UJ	1.0	0.88
75-01-4	Vinyl chloride	7.5		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	98		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		77-120
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

6

Lab Name: Eurofins Buffalo Job No.: 480-224123-1

SDG No.:

Client Sample ID: MW-25A-20241008-01 Lab Sample ID: 480-224123-6

Matrix: Water Lab File ID: D7373.d

Analysis Method: 8260C Date Collected: 10/08/2024 10:10

Sample wt/vol: 5(mL) Date Analyzed: 10/09/2024 14:12

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 727578 Units: ug/L

Preparation Batch No.: Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND	~~F1~~	1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND	~~F1~~	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	2.9		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

6

Lab Name: Eurofins Buffalo | Job No.: 480-224123-1

SDG No.:

Client Sample ID: MW-25A-20241008-01 | Lab Sample ID: 480-224123-6

Matrix: Water | Lab File ID: D7373.d

Analysis Method: 8260C | Date Collected: 10/08/2024 10:10

Sample wt/vol: 5(mL) | Date Analyzed: 10/09/2024 14:12

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 727578 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND	~~F1~~	1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND	UJ	1.0	0.88
75-01-4	Vinyl chloride	6.6	~~F1~~ J	1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	98		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		77-120
460-00-4	4-Bromofluorobenzene (Surr)	95		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

7

Lab Name: Eurofins Buffalo Job No.: 480-224123-1

SDG No.:

Client Sample ID: MW-29A-20241008-01 Lab Sample ID: 480-224123-7

Matrix: Water Lab File ID: D7374.d

Analysis Method: 8260C Date Collected: 10/08/2024 10:35

Sample wt/vol: 5(mL) Date Analyzed: 10/09/2024 14:34

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 727578 Units: ug/L

Preparation Batch No.: Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		2.0	1.6
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.0	0.42
79-00-5	1,1,2-Trichloroethane	ND		2.0	0.46
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62
75-34-3	1,1-Dichloroethane	ND		2.0	0.76
75-35-4	1,1-Dichloroethene	ND		2.0	0.58
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.82
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.78
95-50-1	1,2-Dichlorobenzene	ND		2.0	1.6
107-06-2	1,2-Dichloroethane	ND		2.0	0.42
78-87-5	1,2-Dichloropropane	ND		2.0	1.4
541-73-1	1,3-Dichlorobenzene	ND		2.0	1.6
106-46-7	1,4-Dichlorobenzene	ND		2.0	1.7
78-93-3	2-Butanone (MEK)	ND		20	2.6
591-78-6	2-Hexanone	ND		10	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	4.2
67-64-1	Acetone	6.9	J	20	6.0
71-43-2	Benzene	ND		2.0	0.82
75-27-4	Dichlorobromomethane	ND		2.0	0.78
75-25-2	Bromoform	ND		2.0	0.52
74-83-9	Bromomethane	ND		2.0	1.4
75-15-0	Carbon disulfide	ND		2.0	0.38
56-23-5	Carbon tetrachloride	ND		2.0	0.54
108-90-7	Chlorobenzene	ND		2.0	1.5
124-48-1	Chlorodibromomethane	ND		2.0	0.64
75-00-3	Chloroethane	ND		2.0	0.64
67-66-3	Chloroform	ND		2.0	0.68
74-87-3	Chloromethane	ND		2.0	0.70
156-59-2	cis-1,2-Dichloroethene	ND		2.0	1.6
10061-01-5	cis-1,3-Dichloropropene	ND		2.0	0.72
110-82-7	Cyclohexane	0.88	J	2.0	0.36
75-71-8	Dichlorodifluoromethane	ND		2.0	1.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

7

Lab Name: Eurofins Buffalo Job No.: 480-224123-1

SDG No.:

Client Sample ID: MW-29A-20241008-01 Lab Sample ID: 480-224123-7

Matrix: Water Lab File ID: D7374.d

Analysis Method: 8260C Date Collected: 10/08/2024 10:35

Sample wt/vol: 5(mL) Date Analyzed: 10/09/2024 14:34

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 727578 Units: ug/L

Preparation Batch No.: Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		2.0	1.5
106-93-4	1,2-Dibromoethane	ND		2.0	1.5
98-82-8	Isopropylbenzene	ND		2.0	1.6
79-20-9	Methyl acetate	ND		5.0	2.6
1634-04-4	Methyl tert-butyl ether	ND		2.0	0.32
108-87-2	Methylcyclohexane	0.37	J	2.0	0.32
75-09-2	Methylene Chloride	ND		2.0	0.88
100-42-5	Styrene	ND		2.0	1.5
127-18-4	Tetrachloroethene	ND		2.0	0.72
108-88-3	Toluene	ND		2.0	1.0
156-60-5	trans-1,2-Dichloroethene	ND		2.0	1.8
10061-02-6	trans-1,3-Dichloropropene	ND		2.0	0.74
79-01-6	Trichloroethene	ND		2.0	0.92
75-69-4	Trichlorofluoromethane	ND	UJ	2.0	1.8
75-01-4	Vinyl chloride	ND		2.0	1.8
1330-20-7	Xylenes, Total	ND		4.0	1.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
460-00-4	4-Bromofluorobenzene (Surr)	94		73-120
1868-53-7	Dibromofluoromethane (Surr)	102		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

8

Lab Name: Eurofins Buffalo | Job No.: 480-224123-1

SDG No.:

Client Sample ID: MW-27A-20241008-01 | Lab Sample ID: 480-224123-8

Matrix: Water | Lab File ID: D7375.d

Analysis Method: 8260C | Date Collected: 10/08/2024 11:25

Sample wt/vol: 5(mL) | Date Analyzed: 10/09/2024 14:57

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 727578 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

9

Lab Name: Eurofins Buffalo | Job No.: 480-224123-1

SDG No.:

Client Sample ID: MW-27A-20241008-01 | Lab Sample ID: 480-224123-8

Matrix: Water | Lab File ID: D7375.d

Analysis Method: 8260C | Date Collected: 10/08/2024 11:25

Sample wt/vol: 5(mL) | Date Analyzed: 10/09/2024 14:57

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 727578 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND	UJ	1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	95		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		77-120
460-00-4	4-Bromofluorobenzene (Surr)	94		73-120
1868-53-7	Dibromofluoromethane (Surr)	104		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

9

Lab Name: Eurofins Buffalo Job No.: 480-224123-1

SDG No.:

Client Sample ID: MW-27-20241008-01 Lab Sample ID: 480-224123-9

Matrix: Water Lab File ID: D7376.d

Analysis Method: 8260C Date Collected: 10/08/2024 11:40

Sample wt/vol: 5(mL) Date Analyzed: 10/09/2024 15:20

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 727578 Units: ug/L

Preparation Batch No.: Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

9

Lab Name: Eurofins Buffalo | Job No.: 480-224123-1

SDG No.:

Client Sample ID: MW-27-20241008-01 | Lab Sample ID: 480-224123-9

Matrix: Water | Lab File ID: D7376.d

Analysis Method: 8260C | Date Collected: 10/08/2024 11:40

Sample wt/vol: 5(mL) | Date Analyzed: 10/09/2024 15:20

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 727578 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	0.32	J	1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND	UJ	1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		77-120
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

10

Lab Name: Eurofins Buffalo Job No.: 480-224123-1

SDG No.:

Client Sample ID: MW-37A-20241008-01 Lab Sample ID: 480-224123-10

Matrix: Water Lab File ID: D7377.d

Analysis Method: 8260C Date Collected: 10/08/2024 12:50

Sample wt/vol: 5(mL) Date Analyzed: 10/09/2024 15:42

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 727578 Units: ug/L

Preparation Batch No.: Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75 35 4	1,1 Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

10

Lab Name: Eurofins Buffalo | Job No.: 480-224123-1

SDG No.:

Client Sample ID: MW-37A-20241008-01 | Lab Sample ID: 480-224123-10

Matrix: Water | Lab File ID: D7377.d

Analysis Method: 8260C | Date Collected: 10/08/2024 12:50

Sample wt/vol: 5(mL) | Date Analyzed: 10/09/2024 15:42

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 727578 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND	UJ	1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	98		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		77-120
460-00-4	4-Bromofluorobenzene (Surr)	94		73-120
1868-53-7	Dibromofluoromethane (Surr)	102		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

11

Lab Name: Eurofins Buffalo Job No.: 480-224123-1

SDG No.:

Client Sample ID: MW-38A-20241008-01 Lab Sample ID: 480-224123-11

Matrix: Water Lab File ID: D7378.d

Analysis Method: 8260C Date Collected: 10/08/2024 13:20

Sample wt/vol: 5(mL) Date Analyzed: 10/09/2024 16:03

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 727578 Units: ug/L

Preparation Batch No.: Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

11

Lab Name: Eurofins Buffalo | Job No.: 480-224123-1

SDG No.:

Client Sample ID: MW-38A-20241008-01 | Lab Sample ID: 480-224123-11

Matrix: Water | Lab File ID: D7378.d

Analysis Method: 8260C | Date Collected: 10/08/2024 13:20

Sample wt/vol: 5(mL) | Date Analyzed: 10/09/2024 16:03

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 727578 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND	UJ	1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	98		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		77-120
460-00-4	4-Bromofluorobenzene (Surr)	95		73-120
1868-53-7	Dibromofluoromethane (Surr)	96		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

12

Lab Name: Eurofins Buffalo Job No.: 480-224123-1

SDG No.:

Client Sample ID: MW-34A-20241008-01 Lab Sample ID: 480-224123-12

Matrix: Water Lab File ID: D7379.d

Analysis Method: 8260C Date Collected: 10/08/2024 13:25

Sample wt/vol: 5(mL) Date Analyzed: 10/09/2024 16:25

Soil Aliquot Vol: Dilution Factor: 4

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 727578 Units: ug/L

Preparation Batch No.: Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		4.0	3.3
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.0	0.84
79-00-5	1,1,2-Trichloroethane	ND		4.0	0.92
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2
75-34-3	1,1-Dichloroethane	ND		4.0	1.5
75 35 4	1,1-Dichloroethene	ND		4.0	1.2
120-82-1	1,2,4-Trichlorobenzene	ND		4.0	1.6
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.0	1.6
95-50-1	1,2-Dichlorobenzene	ND		4.0	3.2
107-06-2	1,2-Dichloroethane	ND		4.0	0.84
78-87-5	1,2-Dichloropropane	ND		4.0	2.9
541-73-1	1,3-Dichlorobenzene	ND		4.0	3.1
106-46-7	1,4-Dichlorobenzene	ND		4.0	3.4
78-93-3	2-Butanone (MEK)	ND		40	5.3
591-78-6	2-Hexanone	ND		20	5.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		20	8.4
67-64-1	Acetone	ND		40	12
71-43-2	Benzene	8.2		4.0	1.6
75-27-4	Dichlorobromomethane	ND		4.0	1.6
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		4.0	2.8
75-15-0	Carbon disulfide	ND		4.0	0.76
56-23-5	Carbon tetrachloride	ND		4.0	1.1
108-90-7	Chlorobenzene	ND		4.0	3.0
124-48-1	Chlorodibromomethane	ND		4.0	1.3
75-00-3	Chloroethane	ND		4.0	1.3
67-66-3	Chloroform	ND		4.0	1.4
74-87-3	Chloromethane	ND		4.0	1.4
156-59-2	cis-1,2-Dichloroethene	14		4.0	3.2
10061-01-5	cis-1,3-Dichloropropene	ND		4.0	1.4
110-82-7	Cyclohexane	ND		4.0	0.72
75-71-8	Dichlorodifluoromethane	ND		4.0	2.7

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

12

Lab Name: Eurofins Buffalo Job No.: 480-224123-1

SDG No.:

Client Sample ID: MW-34A-20241008-01 Lab Sample ID: 480-224123-12

Matrix: Water Lab File ID: D7379.d

Analysis Method: 8260C Date Collected: 10/08/2024 13:25

Sample wt/vol: 5(mL) Date Analyzed: 10/09/2024 16:25

Soil Aliquot Vol: Dilution Factor: 4

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 727578 Units: ug/L

Preparation Batch No.: Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		4.0	3.0
106-93-4	1,2-Dibromoethane	ND		4.0	2.9
98-82-8	Isopropylbenzene	ND		4.0	3.2
79-20-9	Methyl acetate	ND		10	5.2
1634-04-4	Methyl tert-butyl ether	ND		4.0	0.64
108-87-2	Methylcyclohexane	ND		4.0	0.64
75-09-2	Methylene Chloride	ND		4.0	1.8
100-42-5	Styrene	ND		4.0	2.9
127-18-4	Tetrachloroethene	ND		4.0	1.4
108-88-3	Toluene	ND		4.0	2.0
156-60-5	trans-1,2-Dichloroethene	ND		4.0	3.6
10061-02-6	trans-1,3-Dichloropropene	ND		4.0	1.5
79-01-6	Trichloroethene	ND		4.0	1.8
75-69-4	Trichlorofluoromethane	ND	UJ	4.0	3.5
75-01-4	Vinyl chloride	290	~~F1~~ J	4.0	3.6
1330-20-7	Xylenes, Total	ND		8.0	2.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	95		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		77-120
460-00-4	4-Bromofluorobenzene (Surr)	103		73-120
1868-53-7	Dibromofluoromethane (Surr)	104		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

13

Lab Name: Eurofins Buffalo | Job No.: 480-224123-1

SDG No.:

Client Sample ID: MW-33A-20241008-01 | Lab Sample ID: 480-224123-13

Matrix: Water | Lab File ID: D7380.d

Analysis Method: 8260C | Date Collected: 10/08/2024 14:05

Sample wt/vol: 5(mL) | Date Analyzed: 10/09/2024 16:47

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 727578 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

13

Lab Name: Eurofins Buffalo Job No.: 480-224123-1

SDG No.:

Client Sample ID: MW-33A-20241008-01 Lab Sample ID: 480-224123-13

Matrix: Water Lab File ID: D7380.d

Analysis Method: 8260C Date Collected: 10/08/2024 14:05

Sample wt/vol: 5(mL) Date Analyzed: 10/09/2024 16:47

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 727578 Units: ug/L

Preparation Batch No.: Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND	UJ	1.0	0.88
75-01-4	Vinyl chloride	1.5		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		77-120
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

14

Lab Name: Eurofins Buffalo Job No.: 480-224123-1

SDG No.:

Client Sample ID: MW-35A-20241008-01 Lab Sample ID: 480-224123-14

Matrix: Water Lab File ID: D7381.d

Analysis Method: 8260C Date Collected: 10/08/2024 14:05

Sample wt/vol: 5(mL) Date Analyzed: 10/09/2024 17:09

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 727578 Units: ug/L

Preparation Batch No.: Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

14

Lab Name: Eurofins Buffalo Job No.: 480-224123-1

SDG No.:

Client Sample ID: MW-35A-20241008-01 Lab Sample ID: 480-224123-14

Matrix: Water Lab File ID: D7381.d

Analysis Method: 8260C Date Collected: 10/08/2024 14:05

Sample wt/vol: 5(mL) Date Analyzed: 10/09/2024 17:09

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 727578 Units: ug/L

Preparation Batch No.: Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND	UJ	1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		77-120
460-00-4	4-Bromofluorobenzene (Surr)	94		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

15

Lab Name: Eurofins Buffalo Job No.: 480-224123-1

SDG No.:

Client Sample ID: MW-36-20241008-01 Lab Sample ID: 480-224123-15

Matrix: Water Lab File ID: D7437.d

Analysis Method: 8260C Date Collected: 10/08/2024 14:30

Sample wt/vol: 5(mL) Date Analyzed: 10/10/2024 18:58

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 727841 Units: ug/L

Preparation Batch No.: Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	7.6		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

15

Lab Name: Eurofins Buffalo Job No.: 480-224123-1

SDG No.:

Client Sample ID: MW-36-20241008-01 Lab Sample ID: 480-224123-15

Matrix: Water Lab File ID: D7437.d

Analysis Method: 8260C Date Collected: 10/08/2024 14:30

Sample wt/vol: 5(mL) Date Analyzed: 10/10/2024 18:58

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 727841 Units: ug/L

Preparation Batch No.: Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	38		1.0	0.46
75-69-4	Trichlorofluoromethane	ND	UJ	1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		77-120
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
1868-53-7	Dibromofluoromethane (Surr)	106		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

16

Lab Name: Eurofins Buffalo Job No.: 480-224123-1

SDG No.:

Client Sample ID: MW-6A-20241008-01 Lab Sample ID: 480-224123-16

Matrix: Water Lab File ID: D7383.d

Analysis Method: 8260C Date Collected: 10/08/2024 15:20

Sample wt/vol: 5(mL) Date Analyzed: 10/09/2024 17:53

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 727578 Units: ug/L

Preparation Batch No.: Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		10	8.2
79-34-5	1,1,2,2-Tetrachloroethane	ND		10	2.1
79-00-5	1,1,2-Trichloroethane	ND		10	2.3
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1
75-34-3	1,1-Dichloroethane	6.0	J	10	3.8
75-35-4	1,1-Dichloroethene	5.9	J	10	2.9
120-82-1	1,2,4-Trichlorobenzene	ND		10	4.1
96-12-8	1,2-Dibromo-3-Chloropropane	ND		10	3.9
95-50-1	1,2-Dichlorobenzene	ND		10	7.9
107-06-2	1,2-Dichloroethane	ND		10	2.1
78-87-5	1,2-Dichloropropane	ND		10	7.2
541-73-1	1,3-Dichlorobenzene	ND		10	7.8
106-46-7	1,4-Dichlorobenzene	ND		10	8.4
78-93-3	2-Butanone (MEK)	ND		100	13
591-78-6	2-Hexanone	ND		50	12
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		50	21
67-64-1	Acetone	ND		100	30
71-43-2	Benzene	ND		10	4.1
75-27-4	Dichlorobromomethane	ND		10	3.9
75-25-2	Bromoform	ND		10	2.6
74-83-9	Bromomethane	ND		10	6.9
75-15-0	Carbon disulfide	ND		10	1.9
56-23-5	Carbon tetrachloride	ND		10	2.7
108-90-7	Chlorobenzene	ND		10	7.5
124-48-1	Chlorodibromomethane	ND		10	3.2
75-00-3	Chloroethane	ND		10	3.2
67-66-3	Chloroform	ND		10	3.4
74-87-3	Chloromethane	ND		10	3.5
156-59-2	cis-1,2-Dichloroethene	740		10	8.1
10061-01-5	cis-1,3-Dichloropropene	ND		10	3.6
110-82-7	Cyclohexane	ND		10	1.8
75-71-8	Dichlorodifluoromethane	ND		10	6.8

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

16

Lab Name: Eurofins Buffalo Job No.: 480-224123-1

SDG No.:

Client Sample ID: MW-6A-20241008-01 Lab Sample ID: 480-224123-16

Matrix: Water Lab File ID: D7383.d

Analysis Method: 8260C Date Collected: 10/08/2024 15:20

Sample wt/vol: 5(mL) Date Analyzed: 10/09/2024 17:53

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 727578 Units: ug/L

Preparation Batch No.: Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		10	7.4
106-93-4	1,2-Dibromoethane	ND		10	7.3
98-82-8	Isopropylbenzene	ND		10	7.9
79-20-9	Methyl acetate	ND		25	13
1634-04-4	Methyl tert-butyl ether	ND		10	1.6
108-87-2	Methylcyclohexane	ND		10	1.6
75-09-2	Methylene Chloride	ND		10	4.4
100-42-5	Styrene	ND		10	7.3
127-18-4	Tetrachloroethene	ND		10	3.6
108-88-3	Toluene	ND		10	5.1
156-60-5	trans-1,2-Dichloroethene	ND		10	9.0
10061-02-6	trans-1,3-Dichloropropene	ND		10	3.7
79-01-6	Trichloroethene	130		10	4.6
75-69-4	Trichlorofluoromethane	ND	UJ	10	8.8
75-01-4	Vinyl chloride	60		10	9.0
1330-20-7	Xylenes, Total	ND		20	6.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		77-120
460-00-4	4-Bromofluorobenzene (Surr)	95		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

17

Lab Name: Eurofins Buffalo | Job No.: 480-224123-1

SDG No.:

Client Sample ID: MW-11A-20241008-01 | Lab Sample ID: 480-224123-17

Matrix: Water | Lab File ID: D7384.d

Analysis Method: 8260C | Date Collected: 10/08/2024 15:40

Sample wt/vol: 5(mL) | Date Analyzed: 10/09/2024 18:15

Soil Aliquot Vol: | Dilution Factor: 2

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 727578 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		2.0	1.6
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.0	0.42
79-00-5	1,1,2-Trichloroethane	ND		2.0	0.46
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62
75-34-3	1,1-Dichloroethane	ND		2.0	0.76
75-35-4	1,1-Dichloroethene	ND		2.0	0.58
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.82
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.78
95-50-1	1,2-Dichlorobenzene	ND		2.0	1.6
107-06-2	1,2-Dichloroethane	ND		2.0	0.42
78-87-5	1,2-Dichloropropane	ND		2.0	1.4
541-73-1	1,3-Dichlorobenzene	ND		2.0	1.6
106-46-7	1,4-Dichlorobenzene	ND		2.0	1.7
78-93-3	2-Butanone (MEK)	ND		20	2.6
591-78-6	2-Hexanone	ND		10	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	4.2
67-64-1	Acetone	ND		20	6.0
71-43-2	Benzene	1.0	J	2.0	0.82
75-27-4	Dichlorobromomethane	ND		2.0	0.78
75-25-2	Bromoform	ND		2.0	0.52
74-83-9	Bromomethane	ND		2.0	1.4
75-15-0	Carbon disulfide	ND		2.0	0.38
56-23-5	Carbon tetrachloride	ND		2.0	0.54
108-90-7	Chlorobenzene	ND		2.0	1.5
124-48-1	Chlorodibromomethane	ND		2.0	0.64
75-00-3	Chloroethane	ND		2.0	0.64
67-66-3	Chloroform	ND		2.0	0.68
74-87-3	Chloromethane	ND		2.0	0.70
156-59-2	cis-1,2-Dichloroethene	50		2.0	1.6
10061-01-5	cis-1,3-Dichloropropene	ND		2.0	0.72
110-82-7	Cyclohexane	ND		2.0	0.36
75-71-8	Dichlorodifluoromethane	ND		2.0	1.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

17

Lab Name: Eurofins Buffalo Job No.: 480-224123-1

SDG No.:

Client Sample ID: MW-11A-20241008-01 Lab Sample ID: 480-224123-17

Matrix: Water Lab File ID: D7384.d

Analysis Method: 8260C Date Collected: 10/08/2024 15:40

Sample wt/vol: 5(mL) Date Analyzed: 10/09/2024 18:15

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 727578 Units: ug/L

Preparation Batch No.: Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		2.0	1.5
106-93-4	1,2-Dibromoethane	ND		2.0	1.5
98-82-8	Isopropylbenzene	ND		2.0	1.6
79-20-9	Methyl acetate	ND		5.0	2.6
1634-04-4	Methyl tert-butyl ether	ND		2.0	0.32
108-87-2	Methylcyclohexane	ND		2.0	0.32
75-09-2	Methylene Chloride	ND		2.0	0.88
100-42-5	Styrene	ND		2.0	1.5
127-18-4	Tetrachloroethene	ND		2.0	0.72
108-88-3	Toluene	ND		2.0	1.0
156-60-5	trans-1,2-Dichloroethene	ND		2.0	1.8
10061-02-6	trans-1,3-Dichloropropene	ND		2.0	0.74
79-01-6	Trichloroethene	ND		2.0	0.92
75-69-4	Trichlorofluoromethane	ND	UJ	2.0	1.8
75-01-4	Vinyl chloride	83		2.0	1.8
1330-20-7	Xylenes, Total	ND		4.0	1.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
1868-53-7	Dibromofluoromethane (Surr)	102		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

18

Lab Name: Eurofins Buffalo | Job No.: 480-224123-1

SDG No.:

Client Sample ID: DUP-01-20241008-01 | Lab Sample ID: 480-224123-18

Matrix: Water | Lab File ID: D7385.d

Analysis Method: 8260C | Date Collected: 10/08/2024 12:00

Sample wt/vol: 5(mL) | Date Analyzed: 10/09/2024 18:37

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 727578 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1 Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	1.3		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

18

Lab Name: Eurofins Buffalo Job No.: 480-224123-1

SDG No.:

Client Sample ID: DUP-01-20241008-01 Lab Sample ID: 480-224123-18

Matrix: Water Lab File ID: D7385.d

Analysis Method: 8260C Date Collected: 10/08/2024 12:00

Sample wt/vol: 5(mL) Date Analyzed: 10/09/2024 18:37

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 727578 Units: ug/L

Preparation Batch No.: Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND	UJ	1.0	0.88
75-01-4	Vinyl chloride	6.8		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		77-120
460-00-4	4-Bromofluorobenzene (Surr)	93		73-120
1868-53-7	Dibromofluoromethane (Surr)	105		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

19

Lab Name: Eurofins Buffalo | Job No.: 480-224123-1

SDG No.:

Client Sample ID: DUP-02-20241008-01 | Lab Sample ID: 480-224123-19

Matrix: Water | Lab File ID: D7386.d

Analysis Method: 8260C | Date Collected: 10/08/2024 12:05

Sample wt/vol: 5(mL) | Date Analyzed: 10/09/2024 18:59

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 727578 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

19

Lab Name: Eurofins Buffalo | Job No.: 480-224123-1

SDG No.:

Client Sample ID: DUP-02-20241008-01 | Lab Sample ID: 480-224123-19

Matrix: Water | Lab File ID: D7386.d

Analysis Method: 8260C | Date Collected: 10/08/2024 12:05

Sample wt/vol: 5(mL) | Date Analyzed: 10/09/2024 18:59

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 727578 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND	UJ	1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		77-120
460-00-4	4-Bromofluorobenzene (Surr)	95		73-120
1868-53-7	Dibromofluoromethane (Surr)	102		75-123

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

3

Lab Name: Eurofins Buffalo Job No.: 480-224123-1

SDG No.:

Client Sample ID: MW-25-20241008-01 Lab Sample ID: 480-224123-3

Matrix: Water Lab File ID: pe3_101_016.D

Analysis Method: RSK-175 Date Collected: 10/08/2024 08:45

Sample wt/vol: 17(mL) Date Analyzed: 10/10/2024 09:31

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Alumina ID: 0.53(mm)

Purge Volume: Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 727724 Units: ug/L

Preparation Batch No.: Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	210		4.0	1.0
74-84-0	Ethane	ND		7.5	1.5
74-85-1	Ethene	ND		7.0	1.5

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

4

Lab Name: Eurofins Buffalo Job No.: 480-224123-1

SDG No.:

Client Sample ID: MW-26A-20241008-01 Lab Sample ID: 480-224123-4

Matrix: Water Lab File ID: pe3_101_017.D

Analysis Method: RSK-175 Date Collected: 10/08/2024 09:15

Sample wt/vol: 17(mL) Date Analyzed: 10/10/2024 09:50

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Alumina ID: 0.53(mm)

Purge Volume: Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 727724 Units: ug/L

Preparation Batch No.: Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	10		7.5	1.5
74-85-1	Ethene	38		7.0	1.5

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

4

Lab Name: Eurofins Buffalo Job No.: 480-224123-1

SDG No.:

Client Sample ID: MW-26A-20241008-01 DL Lab Sample ID: 480-224123-4 DL

Matrix: Water Lab File ID: pe3_101_023.D

Analysis Method: RSK-175 Date Collected: 10/08/2024 09:15

Sample wt/vol: 17(mL) Date Analyzed: 10/10/2024 11:43

Soil Aliquot Vol: Dilution Factor: 22

Soil Extract Vol.: GC Column: Alumina ID: 0.53(mm)

Purge Volume: Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 727724 Units: ug/L

Preparation Batch No.: Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	890		88	22

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

5

Lab Name: Eurofins Buffalo | Job No.: 480-224123-1

SDG No.:

Client Sample ID: MW-28A-20241008-01 | Lab Sample ID: 480-224123-5

Matrix: Water | Lab File ID: pe3_101_018.D

Analysis Method: RSK-175 | Date Collected: 10/08/2024 09:50

Sample wt/vol: 17(mL) | Date Analyzed: 10/10/2024 10:09

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Alumina ID: 0.53(mm)

Purge Volume: | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 727724 | Units: ug/L

Preparation Batch No.: | Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	8.8		7.5	1.5
74-85-1	Ethene	2.0	J	7.0	1.5

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

5

Lab Name: Eurofins Buffalo Job No.: 480-224123-1

SDG No.:

Client Sample ID: MW-28A-20241008-01 DL Lab Sample ID: 480-224123-5 DL

Matrix: Water Lab File ID: pe3_101_024.D

Analysis Method: RSK-175 Date Collected: 10/08/2024 09:50

Sample wt/vol: 17(mL) Date Analyzed: 10/10/2024 12:02

Soil Aliquot Vol: Dilution Factor: 22

Soil Extract Vol.: GC Column: Alumina ID: 0.53(mm)

Purge Volume: Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 727724 Units: ug/L

Preparation Batch No.: Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	1400		88	22

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

6

Lab Name: Eurofins Buffalo Job No.: 480-224123-1

SDG No.:

Client Sample ID: MW-25A-20241008-01 Lab Sample ID: 480-224123-6

Matrix: Water Lab File ID: pe3_101_015.D

Analysis Method: RSK-175 Date Collected: 10/08/2024 10:10

Sample wt/vol: 17(mL) Date Analyzed: 10/10/2024 09:12

Soil Aliquot Vol: Dilution Factor: 44

Soil Extract Vol.: GC Column: Alumina ID: 0.53(mm)

Purge Volume: Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 727724 Units: ug/L

Preparation Batch No.: Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	2200		180	44
74-84-0	Ethane	ND		330	66
74-85-1	Ethene	ND		310	66

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

7

Lab Name: Eurofins Buffalo Job No.: 480-224123-1

SDG No.:

Client Sample ID: MW-29A-20241008-01 Lab Sample ID: 480-224123-7

Matrix: Water Lab File ID: pe3_101_019.D

Analysis Method: RSK-175 Date Collected: 10/08/2024 10:35

Sample wt/vol: 17(mL) Date Analyzed: 10/10/2024 10:27

Soil Aliquot Vol: Dilution Factor: 22

Soil Extract Vol.: GC Column: Alumina ID: 0.53(mm)

Purge Volume: Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 727724 Units: ug/L

Preparation Batch No.: Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	2300		88	22
74-84-0	Ethane	ND		170	33
74-85-1	Ethene	ND		150	33

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

16

Lab Name: Eurofins Buffalo | Job No.: 480-224123-1

SDG No.:

Client Sample ID: MW-6A-20241008-01 | Lab Sample ID: 480-224123-16

Matrix: Water | Lab File ID: pe3_101_020.D

Analysis Method: RSK-175 | Date Collected: 10/08/2024 15:20

Sample wt/vol: 17(mL) | Date Analyzed: 10/10/2024 10:46

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Alumina ID: 0.53(mm)

Purge Volume: | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 727724 | Units: ug/L

Preparation Batch No.: | Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	170		4.0	1.0
74-84-0	Ethane	ND		7.5	1.5
74-85-1	Ethene	2.3	J	7.0	1.5

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

17

Lab Name: Eurofins Buffalo Job No.: 480-224123-1

SDG No.:

Client Sample ID: MW-11A-20241008-01 Lab Sample ID: 480-224123-17

Matrix: Water Lab File ID: pe3_101_021.D

Analysis Method: RSK-175 Date Collected: 10/08/2024 15:40

Sample wt/vol: 17(mL) Date Analyzed: 10/10/2024 11:05

Soil Aliquot Vol: Dilution Factor: 22

Soil Extract Vol.: GC Column: Alumina ID: 0.53(mm)

Purge Volume: Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 727724 Units: ug/L

Preparation Batch No.: Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	2100		88	22
74-84-0	Ethane	35	J	170	33
74-85-1	Ethene	ND		150	33

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

18

Lab Name: Eurofins Buffalo Job No.: 480-224123-1

SDG No.:

Client Sample ID: DUP-01-20241008-01 Lab Sample ID: 480-224123-18

Matrix: Water Lab File ID: pe3_101_022.D

Analysis Method: RSK-175 Date Collected: 10/08/2024 12:00

Sample wt/vol: 17(mL) Date Analyzed: 10/10/2024 11:24

Soil Aliquot Vol: Dilution Factor: 22

Soil Extract Vol.: GC Column: Alumina ID: 0.53(mm)

Purge Volume: Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 727724 Units: ug/L

Preparation Batch No.: Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	1200		88	22
74-84-0	Ethane	ND		170	33
74-85-1	Ethene	ND		150	33

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

3

Client Sample ID: MW-25-20241008-01 | Lab Sample ID: 480-224123-3

Lab Name: Eurofins Buffalo | Job No.: 480-224123-1

SDG ID.:

Matrix: Water | Date Sampled: 10/08/2024 08:45

Reporting Basis: WET | Date Received: 10/08/2024 17:28

Preparation Batch Number: 727679 | Instrument ID: ICAP4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	0.24	0.050	0.019	mg/L		~~S~~	1	6010D
7439-96-5	Manganese	0.019	0.0030	0.00040	mg/L			1	6010D

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

3D

Client Sample ID: MW-25-20241008-01
Lab Sample ID: 480-224123-3
Lab Name: Eurofins Buffalo
Job No.: 480-224123-1
SDG ID.:
Matrix: Water
Date Sampled: 10/08/2024 08:45
Reporting Basis: WET
Date Received: 10/08/2024 17:28
Preparation Batch Number: 727676
Instrument ID: ICAP3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron, Dissolved	0.33	0.050	0.019	mg/L			1	6010D
7439-96-5	Manganese, Dissolved	0.025	0.0030	0.00040	mg/L			1	6010D

MW 12/2/24

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

4

Client Sample ID: MW-26A-20241008-01
Lab Sample ID: 480-224123-4
Lab Name: Eurofins Buffalo
Job No.: 480-224123-1
SDG ID.:
Matrix: Water
Date Sampled: 10/08/2024 09:15
Reporting Basis: WET
Date Received: 10/08/2024 17:28
Preparation Batch Number: 727679
Instrument ID: ICAP4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	5.8	0.050	0.019	mg/L			1	6010D
7439-96-5	Manganese	0.11	0.0030	0.00040	mg/L			1	6010D

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

4D

Client Sample ID: MW-26A-20241008-01
Lab Sample ID: 480-224123-4
Lab Name: Eurofins Buffalo
Job No.: 480-224123-1
SDG ID.:
Matrix: Water
Date Sampled: 10/08/2024 09:15
Reporting Basis: WET
Date Received: 10/08/2024 17:28
Preparation Batch Number: 727676
Instrument ID: ICAP3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron, Dissolved	7.2	0.050	0.019	mg/L		~~<~~	1	6010D
7439-96-5	Manganese, Dissolved	0.13	0.0030	0.00040	mg/L			1	6010D

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

5

Client Sample ID: MW-28A-20241008-01 | Lab Sample ID: 480-224123-5

Lab Name: Eurofins Buffalo | Job No.: 480-224123-1

SDG ID.:

Matrix: Water | Date Sampled: 10/08/2024 09:50

Reporting Basis: WET | Date Received: 10/08/2024 17:28

Preparation Batch Number: 727679 | Instrument ID: ICAP4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	7.6	0.050	0.019	mg/L		~~^5~~	1	6010D
7439-96-5	Manganese	0.11	0.0030	0.00040	mg/L			1	6010D

MW 12/12/24

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

SD

Client Sample ID: MW-28A-20241008-01
Lab Sample ID: 480-224123-5
Lab Name: Eurofins Buffalo
Job No.: 480-224123-1
SDG ID.:
Matrix: Water
Date Sampled: 10/08/2024 09:50
Reporting Basis: WET
Date Received: 10/08/2024 17:28
Preparation Batch Number: 727676
Instrument ID: ICAP3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron, Dissolved	7.8	0.050	0.019	mg/L		~~<~~	1	6010D
7439-96-5	Manganese, Dissolved	0.11	0.0030	0.00040	mg/L			1	6010D

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1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

6

Client Sample ID: MW-25A-20241008-01
Lab Sample ID: 480-224123-6
Lab Name: Eurofins Buffalo
Job No.: 480-224123-1
SDG ID.:
Matrix: Water
Date Sampled: 10/08/2024 10:10
Reporting Basis: WET
Date Received: 10/08/2024 17:28
Preparation Batch Number: 727679
Instrument ID: ICAP4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	0.088	0.050	0.019	mg/L		J5	1	6010D
7439-96-5	Manganese	0.049	0.0030	0.00040	mg/L			1	6010D

MW 12/2/24

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

6D

Client Sample ID: MW-25A-20241008-01
Lab Sample ID: 480-224123-6
Lab Name: Eurofins Buffalo
Job No.: 480-224123-1
SDG ID.:
Matrix: Water
Date Sampled: 10/08/2024 10:10
Reporting Basis: WET
Date Received: 10/08/2024 17:28
Preparation Batch Number: 727676
Instrument ID: ICAP3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron, Dissolved	0.12	0.050	0.019	mg/L		J	1	6010D
7439-96-5	Manganese, Dissolved	0.047	0.0030	0.00040	mg/L			1	6010D

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

7

Client Sample ID: MW-29A-20241008-01
Lab Sample ID: 480-224123-7
Lab Name: Eurofins Buffalo
Job No.: 480-224123-1
SDG ID.:
Matrix: Water
Date Sampled: 10/08/2024 10:35
Reporting Basis: WET
Date Received: 10/08/2024 17:28
Preparation Batch Number: 727679
Instrument ID: ICAP4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	10.5	0.050	0.019	mg/L			1	6010D
7439-96-5	Manganese	0.28	0.0030	0.00040	mg/L			1	6010D

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

7D

Client Sample ID: MW-29A-20241008-01
Lab Sample ID: 480-224123-7
Lab Name: Eurofins Buffalo
Job No.: 480-224123-1
SDG ID.:
Matrix: Water
Date Sampled: 10/08/2024 10:35
Reporting Basis: WET
Date Received: 10/08/2024 17:28
Preparation Batch Number: 727676
Instrument ID: ICAP3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron, Dissolved	11.1	0.050	0.019	mg/L		^5	1	6010D
7439-96-5	Manganese, Dissolved	0.27	0.0030	0.00040	mg/L			1	6010D

NW 12/12/24

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

16

Client Sample ID: MW-6A-20241008-01 Lab Sample ID: 480-224123-16

Lab Name: Eurofins Buffalo Job No.: 480-224123-1

SDG ID.:

Matrix: Water Date Sampled: 10/08/2024 15:20

Reporting Basis: WET Date Received: 10/08/2024 17:28

Preparation Batch Number: 727679 Instrument ID: ICAP4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	2.3	0.050	0.019	mg/L		~~J~~	1	6010D
7439-96-5	Manganese	0.094	0.0030	0.00040	mg/L			1	6010D

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

16D

Client Sample ID: MW-6A-20241008-01
Lab Sample ID: 480-224123-16
Lab Name: Eurofins Buffalo
Job No.: 480-224123-1
SDG ID.:
Matrix: Water
Date Sampled: 10/08/2024 15:20
Reporting Basis: WET
Date Received: 10/08/2024 17:28
Preparation Batch Number: 727676
Instrument ID: ICAP3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron, Dissolved	2.3	0.050	0.019	mg/L		J-	1	6010D
7439-96-5	Manganese, Dissolved	0.094	0.0030	0.00040	mg/L			1	6010D

MW 12/21/24

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

17

Client Sample ID: MW-11A-20241008-01
Lab Sample ID: 480-224123-17
Lab Name: Eurofins Buffalo
Job No.: 480-224123-1
SDG ID.:
Matrix: Water
Date Sampled: 10/08/2024 15:40
Reporting Basis: WET
Date Received: 10/08/2024 17:28
Preparation Batch Number: 727679
Instrument ID: ICAP4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	10.8	0.050	0.019	mg/L		~~^5~~	1	6010D
7439-96-5	Manganese	0.065	0.0030	0.00040	mg/L			1	6010D

NW 12/12/24

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

17D

Client Sample ID: MW-11A-20241008-01
Lab Sample ID: 480-224123-17
Lab Name: Eurofins Buffalo
Job No.: 480-224123-1
SDG ID.:
Matrix: Water
Date Sampled: 10/08/2024 15:40
Reporting Basis: WET
Date Received: 10/08/2024 17:28
Preparation Batch Number: 727676
Instrument ID: ICAP3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron, Dissolved	12.0	0.050	0.019	mg/L		~~5~~	1	6010D
7439-96-5	Manganese, Dissolved	0.068	0.0030	0.00040	mg/L			1	6010D

MW 12/12/24

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

18

Client Sample ID: DUP-01-20241008-01
Lab Sample ID: 480-224123-18
Lab Name: Eurofins Buffalo
Job No.: 480-224123-1
SDG ID.:
Matrix: Water
Date Sampled: 10/08/2024 12:00
Reporting Basis: WET
Date Received: 10/08/2024 17:28
Preparation Batch Number: 727679
Instrument ID: ICAP4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	7.3	0.050	0.019	mg/L		~~J~~	1	6010D
7439-96-5	Manganese	0.11	0.0030	0.00040	mg/L			1	6010D

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

18D

Client Sample ID: DUP-01-20241008-01
Lab Sample ID: 480-224123-18
Lab Name: Eurofins Buffalo
Job No.: 480-224123-1
SDG ID.:
Matrix: Water
Date Sampled: 10/08/2024 12:00
Reporting Basis: WET
Date Received: 10/08/2024 17:28
Preparation Batch Number: 727676
Instrument ID: ICAP3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron, Dissolved	7.6	0.050	0.019	mg/L		~~5~~	1	6010D
7439-96-5	Manganese, Dissolved	0.11	0.0030	0.00040	mg/L			1	6010D

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

3

Client Sample ID: MW-25-20241008-01
Lab Sample ID: 480-224123-3
Lab Name: Eurofins Buffalo
Job No.: 480-224123-1
SDG ID.:
Matrix: Water
Date Sampled: 10/08/2024 08:45
Reporting Basis: WET
Date Received: 10/08/2024 17:28
Preparation Batch Number:
Instrument ID: NOEQUIP

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
18496-25-8	Sulfide	ND	1.0	0.67	mg/L			1	SM 4500 S2 F
14797-55-8	Nitrate as N	0.037	0.050	0.020	mg/L	~~J~~	~~J~~ J	1	353.2
14808-79-8	Sulfate	34.2	25.0	7.5	mg/L			5	D516-90, 02
	Alkalinity	484	5.0	0.79	mg/L			1	SM 2320B
16887-00-6	Chloride	42.8	1.0	0.46	mg/L			1	SM 4500 Cl- E
7440-44-0	Total Organic Carbon	0.84	1.0	0.43	mg/L	J		1	SM 5310C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

4

Client Sample ID: MW-26A-20241008-01
Lab Sample ID: 480-224123-4
Lab Name: Eurofins Buffalo
Job No.: 480-224123-1
SDG ID.:
Matrix: Water
Date Sampled: 10/08/2024 09:15
Reporting Basis: WET
Date Received: 10/08/2024 17:28
Preparation Batch Number:
Instrument ID: NOEQUIP

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
18496-25-8	Sulfide	ND	1.0	0.67	mg/L			1	SM 4500 S2 F
14797-55-8	Nitrate as N	ND	0.050	0.020	mg/L	UJ	H	1	353.2
14808-79-8	Sulfate	25.0	25.0	7.5	mg/L			5	D516-90, 02
	Alkalinity	344	5.0	0.79	mg/L			1	SM 2320B
16887-00-6	Chloride	40.1	1.0	0.46	mg/L			1	SM 4500 Cl- E
7440-44-0	Total Organic Carbon	2.0	1.0	0.43	mg/L			1	SM 5310C

MW 12/12/24

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

5

Client Sample ID: MW-28A-20241008-01
Lab Sample ID: 480-224123-5
Lab Name: Eurofins Buffalo
Job No.: 480-224123-1
SDG ID.:
Matrix: Water
Date Sampled: 10/08/2024 09:50
Reporting Basis: WET
Date Received: 10/08/2024 17:28
Preparation Batch Number:
Instrument ID: NOEQUIP

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
18496-25-8	Sulfide	ND	1.0	0.67	mg/L			1	SM 4500 S2 F
14797-55-8	Nitrate as N	ND	0.050	0.020	mg/L	UJ	H	1	353.2
14808-79-8	Sulfate	22.8	5.0	1.5	mg/L			1	D516-90, 02
	Alkalinity	407	5.0	0.79	mg/L			1	SM 2320B
16887-00-6	Chloride	70.8	5.0	2.3	mg/L			5	SM 4500 Cl- E
7440-44-0	Total Organic Carbon	ND	1.0	0.43	mg/L			1	SM 5310C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

6

Client Sample ID: MW-25A-20241008-01
Lab Sample ID: 480-224123-6
Lab Name: Eurofins Buffalo
Job No.: 480-224123-1
SDG ID.:
Matrix: Water
Date Sampled: 10/08/2024 10:10
Reporting Basis: WET
Date Received: 10/08/2024 17:28
Preparation Batch Number:
Instrument ID: NOEQUIP

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
18496-25-8	Sulfide	1.6	1.0	0.67	mg/L	J	~~F1~~	1	SM 4500 S2 F
14797-55-8	Nitrate as N	ND	0.050	0.020	mg/L	UJ	~~H~~	1	353.2
14808-79-8	Sulfate	27.8	5.0	1.5	mg/L	J	~~F1~~	1	D516-90, 02
	Alkalinity	467	5.0	0.79	mg/L			1	SM 2320B
16887-00-6	Chloride	41.5	1.0	0.46	mg/L			1	SM 4500 Cl- E
7440-44-0	Total Organic Carbon	0.67	1.0	0.43	mg/L	J		1	SM 5310C

11/21/2024

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

7

Client Sample ID: MW-29A-20241008-01
Lab Sample ID: 480-224123-7
Lab Name: Eurofins Buffalo
Job No.: 480-224123-1
SDG ID.:
Matrix: Water
Date Sampled: 10/08/2024 10:35
Reporting Basis: WET
Date Received: 10/08/2024 17:28
Preparation Batch Number:
Instrument ID: NOEQUIP

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
18496-25-8	Sulfide	ND	1.0	0.67	mg/L			1	SM 4500 S2 F
14797-55-8	Nitrate as N	ND	0.050	0.020	mg/L	UJ	~~U~~	1	353.2
14808-79-8	Sulfate	1.8	5.0	1.5	mg/L	J		1	D516-90, 02
	Alkalinity	153	5.0	0.79	mg/L			1	SM 2320B
16887-00-6	Chloride	31.3	1.0	0.46	mg/L			1	SM 4500 Cl- E
7440-44-0	Total Organic Carbon	10.2	1.0	0.43	mg/L			1	SM 5310C

MW 2/2/24

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

16

Client Sample ID: MW-6A-20241008-01
Lab Sample ID: 480-224123-16
Lab Name: Eurofins Buffalo
Job No.: 480-224123-1
SDG ID.:
Matrix: Water
Date Sampled: 10/08/2024 15:20
Reporting Basis: WET
Date Received: 10/08/2024 17:28
Preparation Batch Number:
Instrument ID: NOEQUIP

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
18496-25-8	Sulfide	ND	1.0	0.67	mg/L			1	SM 4500 S2 F
14797-55-8	Nitrate as N	ND	0.050	0.020	mg/L			1	353.2
14808-79-8	Sulfate	262	50.0	15.0	mg/L			10	D516-90, 02
	Alkalinity	521	5.0	0.79	mg/L			1	SM 2320B
16887-00-6	Chloride	11.3	1.0	0.46	mg/L			1	SM 4500 Cl- E
7440-44-0	Total Organic Carbon	2.0	1.0	0.43	mg/L			1	SM 5310C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

17

Client Sample ID: MW-11A-20241008-01
Lab Sample ID: 480-224123-17
Lab Name: Eurofins Buffalo
Job No.: 480-224123-1
SDG ID.:
Matrix: Water
Date Sampled: 10/08/2024 15:40
Reporting Basis: WET
Date Received: 10/08/2024 17:28
Preparation Batch Number:
Instrument ID: NOEQUIP

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
18496-25-8	Sulfide	ND	1.0	0.67	mg/L			1	SM 4500 S2 F
14797-55-8	Nitrate as N	ND	0.050	0.020	mg/L			1	353.2
14808-79-8	Sulfate	99.7	25.0	7.5	mg/L			5	D516-90, 02
	Alkalinity	533	5.0	0.79	mg/L			1	SM 2320B
16887-00-6	Chloride	9.5	1.0	0.46	mg/L			1	SM 4500 Cl- E
7440-44-0	Total Organic Carbon	6.1	1.0	0.43	mg/L			1	SM 5310C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

18

Client Sample ID: DUP-01-20241008-01 | Lab Sample ID: 480-224123-18

Lab Name: Eurofins Buffalo | Job No.: 480-224123-1

SDG ID.:

Matrix: Water | Date Sampled: 10/08/2024 12:00

Reporting Basis: WET | Date Received: 10/08/2024 17:28

Preparation Batch Number: | Instrument ID: NOEQUIP

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
18496-25-8	Sulfide	ND	1.0	0.67	mg/L			1	SM 4500 S2 F
14797-55-8	Nitrate as N	ND	0.050	0.020	mg/L	UJ	H	1	353.2
14808-79-8	Sulfate	23.3	5.0	1.5	mg/L			1	D516-90, 02
	Alkalinity	404	5.0	0.79	mg/L			1	SM 2320B
16887-00-6	Chloride	70.8	5.0	2.3	mg/L			5	SM 4500 Cl- E
7440-44-0	Total Organic Carbon	0.52	1.0	0.43	mg/L	J		1	SM 5310C

ENVIRONMENTAL
Data Services, Inc.

DATA USABILITY SUMMARY REPORT
FORMER LEICA SITE, CHEEKTOWAGA, NEW YORK

Client: Environmental Resources Management, Inc., Syracuse, New York
SDG: 480-224084-1
Laboratory: Eurofins, Buffalo, New York
Site: Former Leica, Inc. Site, Cheektowaga, NY
Date: December 2, 2024

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	EB-01-20241007-01	480-224084-1	Water
2*	TB-01-20241007-01	480-224084-2	Water
3	MW-29-20241007-01	480-224084-3	Water
3MS^	MW-29-20241007-01MS	480-224084-3MS	Water
3MSD^	MW-29-20241007-01MSD	480-224084-3MSD	Water
4	MW-28-20241007-01	480-224084-4	Water
5	MW-26-20241007-01	480-224084-5	Water

* - VOC only ^ - Sulfate & Chloride only

A Data Usability Summary Review was performed on the analytical data for three water samples, one aqueous trip blank sample, and one aqueous equipment blank sample collected on October 7, 2024 by ERM at the Former Leica Site in Cheektowaga, New York. The samples were analyzed under Environmental Protection Agency (USEPA) Test Methods for the Evaluation of Solid Waste, USEPA SW-846, Third Edition, September 1986, with revisions, the Method for Analysis of Dissolved Gas in Water, the Methods for Chemical Analysis of Water and Wastes, the ASTM Standard Test Method for Sulfate Ion in Water, and the Standard Methods for Examination of Water and Wastewater.

Specific method references are as follows:

Analysis	*Method References*
VOC	USEPA SW-846 Method 8260C
MEE	USEPA Method RSK175
Metals (Fe/Mn) (T/D)	USEPA SW-846 Method 6010D
Nitrate	USEPA Method 353.2
Sulfate	ASTM Method D516-90, 02
Alkalinity	Standard Method SM2320B
Chloride	Standard Method SM4500 Cl-E
Sulfide	Standard Method SM4500 S2 F
TOC	Standard Method SM5310C

The data have been validated according to the protocols and quality control (QC) requirements of the analytical methods and the USEPA Region II Data Review Standard Operating Procedures (SOPs) as follows:

- SOP Number QA-HWSS-A-004, March 2022, Standard Operating Procedure for the Validation of Volatile Data;
- SOP Number QA-HWSS-A-010, March 2022, Standard Operating Procedure for ICP-AES Data Validation;
- SOP Number QA-HWSS-A-012, March 2022, Standard Operating Procedure for Validation of Cyanide Data;
- and the reviewer's professional judgment.

The following items/criteria were reviewed for this report:

Organics

- Data Completeness
- Holding times and sample preservation
- Gas Chromatography (GC)/Mass Spectroscopy (MS) tuning
- Initial and continuing calibration summaries
- Method blank and field blank contamination
- Surrogate Spike recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries
- Laboratory Control Sample (LCS) recoveries
- Compound Quantitation
- Internal standard area and retention time summary forms
- Method blank and field blank contamination
- Tentatively Identified Compounds (TICs)
- Field Duplicate sample precision

Inorganics

- Data Completeness
- Holding times and sample preservation
- Initial and continuing calibration verifications
- Method blank and field blank contamination
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries
- Duplicate Sample Analysis recoveries
- Laboratory Control Sample (LCS) recoveries
- ICP Serial Dilution
- Compound Quantitation
- Field Duplicate sample precision

Data Usability Assessment

There were no rejections of data.

The data are acceptable for the intended purposes as qualified for the deficiencies detailed in this report.

Please note that any results qualified (U) due to blank contamination may be then qualified (J) due to another action. Therefore, the results may be qualified (UJ) due to the culmination of the blank contaminations and actions from other exceedances of QC criteria.

Data Completeness

- The data is a complete Category B data package as defined under the requirements for the NYS Department of Environmental Conservation Analytical Services Protocol.

Volatile Organic Compounds (VOCs)

Holding Times

- All samples were analyzed within 14 days for preserved water samples.

GC/MS Tuning

- All criteria were met.

Initial Calibration

- The initial calibrations exhibited acceptable %RSD and/or correlation coefficients and mean RRF values.

Continuing Calibration

- The following table presents compounds that exceeded percent difference (%D) criteria and/or RRF values <0.05 in the continuing calibration (CCAL). A low RRF indicates poor instrument sensitivity for these compounds. Positive results for these compounds in the affected samples are considered estimated and qualified (J). Non-detect results for these compounds in the affected samples are rejected (R) and are unusable for project objectives. A high %D may indicate a potential high or low bias. All results for these compounds in affected samples are considered estimated and qualified (J/UJ).

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
10/08/24 (1347)	Vinyl Chloride	22.4%	J/UJ	All Samples
	Chloromethane	26.0%	UJ	

Method Blank

- The method blanks were free of contamination.

Field Blank

- The following table lists field blanks with contamination and the samples associated with the blanks that had results qualified as a consequence of the blank contamination. Detected sample concentrations of methylene chloride, 2-butanone, toluene or acetone (common laboratory contaminants) less than ten times (10x) the highest associated blank (after taking sample dilution levels, percent moisture and sample volume into account) are negated and qualified with a (U). For all other compounds, an action level of five times (5x) the highest associated blank concentration is used.

Sample ID	Compound	Conc. ug/L	Qualifier	Affected Samples
EB-01-20241007-01	None - ND	-	-	-
TB-01-20241007-01	None - ND	-	-	-

Surrogate Spike Recoveries

- All samples exhibited acceptable surrogate percent recoveries (%R).

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- MS/MSD samples were not analyzed.

Laboratory Control Samples

- The LCS samples exhibited acceptable percent recoveries (%R).

Internal Standard (IS) Area Performance

- All internal standards met response and retention time (RT) criteria.

Compound Quantitation

- All criteria were met.

Tentatively Identified Compounds (TICs)

- TICs were not reported.

Field Duplicate Sample Precision

- Field duplicate samples were not collected.

Dissolved Gas (MEE)

Holding Times

- All samples were analyzed within 14 days for preserved water samples.

Initial Calibration

- The initial calibrations exhibited acceptable %RSD and/or correlation coefficients.

Continuing Calibration

- The continuing calibrations exhibited acceptable percent differences (%D).

Method Blank

- The method blanks were free of contamination.

Field Blank

- Field blank samples are summarized below.

Sample ID	Compound	Conc. ug/L	Qualifier	Affected Samples
EB-01-20241007-01	Methane	1.3	None	All Associated ND or >5X

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- MS/MSD samples were not analyzed.

Laboratory Control Samples (LCS/LCSD)

- The LCS/LCSD samples exhibited acceptable percent recoveries (%R) and RPD values.

Compound Quantitation

- All criteria were met.

Field Duplicate Sample Precision

- Field duplicate samples were not collected.

Metals (Fe/Mn) (Total & Dissolved)

Holding Times

- All samples were prepared and analyzed within 180 days.

Initial Calibration Verification

- All initial calibration criteria were met.

Continuing Calibration Verification

- All continuing calibration criteria were met.

Method Blank

- The method blanks were free of contamination.

Field Blank

- Field blank samples are summarized below.

Sample ID	Compound	Conc. ug/L	Qualifier	Affected Samples
EB-01-20241007-01	None - ND	-	-	-

Matrix Spike (MS) Recoveries

- MS/MSD samples were not analyzed.

Duplicate Sample Analysis

- A duplicate sample was not analyzed.

Laboratory Control Samples

- The LCS samples exhibited acceptable percent recoveries (%R).

ICP Serial Dilution

- ICP serial dilution samples were not analyzed.

Compound Quantitation

- All criteria were met.

Field Duplicate Sample Precision

- Field duplicate samples were not collected.

Nitrate, Sulfate, Alkalinity, Chloride, Sulfide, TOC

Holding Times

- All samples were prepared and analyzed the recommended holding time except for the following.

Nitrate				
EDS Sample	Date Sampled	Date Analyzed	# of Days	Qualifier
1	10/07/24	10/09/24	>48 Hrs	UJ

Initial Calibration Verification

- All initial calibration criteria were met.

Continuing Calibration Verification

- All continuing calibration criteria were met.

Method Blank

- The method blanks were free of contamination.

Field Blank

- Field blank samples are summarized below.

Sample ID	Compound	Conc. ug/L	Qualifier	Affected Samples
EB-01-20241007-01	None - ND	-	-	-

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- The following table presents MS/MSD samples that exhibited percent recoveries (%R) outside the QC limits and/or relative percent differences (RPD) above QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J). Results are valid and usable, however possibly biased.

Sample ID	Compound	MS %R/MSD %R/RPD	Qualifier
3	Chloride	-300%/-0.05%/49	None - 4X Rule Applies

Duplicate Sample Analysis

- A duplicate sample was not collected.

Laboratory Control Samples

- The LCS samples exhibited acceptable percent recoveries (%R).

Compound Quantitation

- Several samples were analyzed at various dilutions due to high concentrations of target compounds. The reporting limits were adjusted accordingly. No action was required.

Field Duplicate Sample Precision

- Field duplicate samples were not collected.

Please contact the undersigned at (561) 475-2000 if you have any questions or need further information.

Signed: Nancy Weaver Dated: 12/4/24

Nancy Weaver
Senior Chemist

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
NJ	The analysis has been "tentatively identified" or "presumptively" as present and the associated numerical value is the estimated concentration in the samples.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limits is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo Job No.: 480-224084-1

SDG No.:

Client Sample ID: EB-01-20241007-01 Lab Sample ID: 480-224084-1

Matrix: Water Lab File ID: N0279.d

Analysis Method: 8260C Date Collected: 10/07/2024 09:05

Sample wt/vol: 5(mL) Date Analyzed: 10/08/2024 19:30

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 727426 Units: ug/L

Preparation Batch No.: Instrument ID: HP5973N

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND	UJ	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

1

Lab Name: Eurofins Buffalo | Job No.: 480-224084-1

SDG No.:

Client Sample ID: EB-01-20241007-01 | Lab Sample ID: 480-224084-1

Matrix: Water | Lab File ID: N0279.d

Analysis Method: 8260C | Date Collected: 10/07/2024 09:05

Sample wt/vol: 5(mL) | Date Analyzed: 10/08/2024 19:30

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 727426 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5973N

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND	UJ	1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	91		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		77-120
460-00-4	4-Bromofluorobenzene (Surr)	103		73-120
1868-53-7	Dibromofluoromethane (Surr)	97		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

2

Lab Name: Eurofins Buffalo Job No.: 480-224084-1

SDG No.:

Client Sample ID: TB-01-20241007-01 Lab Sample ID: 480-224084-2

Matrix: Water Lab File ID: N0280.d

Analysis Method: 8260C Date Collected: 10/07/2024 09:00

Sample wt/vol: 5(mL) Date Analyzed: 10/08/2024 19:53

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 727426 Units: ug/L

Preparation Batch No.: Instrument ID: HP5973N

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND	UJ	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

2

Lab Name: Eurofins Buffalo Job No.: 480-224084-1

SDG No.:

Client Sample ID: TB-01-20241007-01 Lab Sample ID: 480-224084-2

Matrix: Water Lab File ID: N0280.d

Analysis Method: 8260C Date Collected: 10/07/2024 09:00

Sample wt/vol: 5(mL) Date Analyzed: 10/08/2024 19:53

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 727426 Units: ug/L

Preparation Batch No.: Instrument ID: HP5973N

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND	UJ	1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	89		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		77-120
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
1868-53-7	Dibromofluoromethane (Surr)	94		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

3

Lab Name: Eurofins Buffalo Job No.: 480-224084-1

SDG No.:

Client Sample ID: MW-29-20241007-01 Lab Sample ID: 480-224084-3

Matrix: Water Lab File ID: N0281.d

Analysis Method: 8260C Date Collected: 10/07/2024 17:55

Sample wt/vol: 5(mL) Date Analyzed: 10/08/2024 20:15

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 727426 Units: ug/L

Preparation Batch No.: Instrument ID: HP5973N

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND	UJ	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	2.2		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

3

Lab Name: Eurofins Buffalo | Job No.: 480-224084-1

SDG No.:

Client Sample ID: MW-29-20241007-01 | Lab Sample ID: 480-224084-3

Matrix: Water | Lab File ID: N0281.d

Analysis Method: 8260C | Date Collected: 10/07/2024 17:55

Sample wt/vol: 5(mL) | Date Analyzed: 10/08/2024 20:15

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 727426 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5973N

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND	UJ	1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	93		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		77-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
1868-53-7	Dibromofluoromethane (Surr)	89		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

4

Lab Name: Eurofins Buffalo Job No.: 480-224084-1

SDG No.:

Client Sample ID: MW-28-20241007-01 Lab Sample ID: 480-224084-4

Matrix: Water Lab File ID: N0282.d

Analysis Method: 8260C Date Collected: 10/07/2024 17:30

Sample wt/vol: 5(mL) Date Analyzed: 10/08/2024 20:37

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 727426 Units: ug/L

Preparation Batch No.: Instrument ID: HP5973N

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND	UJ	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	19		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

4

Lab Name: Eurofins Buffalo | Job No.: 480-224084-1

SDG No.:

Client Sample ID: MW-28-20241007-01 | Lab Sample ID: 480-224084-4

Matrix: Water | Lab File ID: N0282.d

Analysis Method: 8260C | Date Collected: 10/07/2024 17:30

Sample wt/vol: 5(mL) | Date Analyzed: 10/08/2024 20:37

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 727426 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5973N

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	0.41	J	1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	5.1	J	1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	91		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		77-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
1868-53-7	Dibromofluoromethane (Surr)	93		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

5

Lab Name: Eurofins Buffalo Job No.: 480-224084-1

SDG No.:

Client Sample ID: MW-26-20241007-01 Lab Sample ID: 480-224084-5

Matrix: Water Lab File ID: N0283.d

Analysis Method: 8260C Date Collected: 10/07/2024 17:50

Sample wt/vol: 5(mL) Date Analyzed: 10/08/2024 21:00

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 727426 Units: ug/L

Preparation Batch No.: Instrument ID: HP5973N

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		2.0	1.6
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.0	0.42
79-00-5	1,1,2-Trichloroethane	ND		2.0	0.46
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62
75-34-3	1,1-Dichloroethane	ND		2.0	0.76
75-35-4	1,1-Dichloroethene	ND		2.0	0.58
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.82
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.78
95-50-1	1,2-Dichlorobenzene	ND		2.0	1.6
107-06-2	1,2-Dichloroethane	ND		2.0	0.42
78-87-5	1,2-Dichloropropane	ND		2.0	1.4
541-73-1	1,3-Dichlorobenzene	ND		2.0	1.6
106-46-7	1,4-Dichlorobenzene	ND		2.0	1.7
78-93-3	2-Butanone (MEK)	ND		20	2.6
591-78-6	2-Hexanone	ND		10	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	4.2
67-64-1	Acetone	ND		20	6.0
71-43-2	Benzene	ND		2.0	0.82
75-27-4	Dichlorobromomethane	ND		2.0	0.78
75-25-2	Bromoform	ND		2.0	0.52
74-83-9	Bromomethane	ND		2.0	1.4
75-15-0	Carbon disulfide	ND		2.0	0.38
56-23-5	Carbon tetrachloride	ND		2.0	0.54
108-90-7	Chlorobenzene	ND		2.0	1.5
124-48-1	Chlorodibromomethane	ND		2.0	0.64
75-00-3	Chloroethane	ND		2.0	0.64
67-66-3	Chloroform	ND		2.0	0.68
74-87-3	Chloromethane	ND	UJ	2.0	0.70
156-59-2	cis-1,2-Dichloroethene	ND		2.0	1.6
10061-01-5	cis-1,3-Dichloropropene	ND		2.0	0.72
110-82-7	Cyclohexane	ND		2.0	0.36
75-71-8	Dichlorodifluoromethane	ND		2.0	1.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

5

Lab Name: Eurofins Buffalo | Job No.: 480-224084-1

SDG No.:

Client Sample ID: MW-26-20241007-01 | Lab Sample ID: 480-224084-5

Matrix: Water | Lab File ID: N0283.d

Analysis Method: 8260C | Date Collected: 10/07/2024 17:50

Sample wt/vol: 5(mL) | Date Analyzed: 10/08/2024 21:00

Soil Aliquot Vol: | Dilution Factor: 2

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 727426 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5973N

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		2.0	1.5
106-93-4	1,2-Dibromoethane	ND		2.0	1.5
98-82-8	Isopropylbenzene	ND		2.0	1.6
79-20-9	Methyl acetate	ND		5.0	2.6
1634-04-4	Methyl tert-butyl ether	ND		2.0	0.32
108-87-2	Methylcyclohexane	ND		2.0	0.32
75-09-2	Methylene Chloride	ND		2.0	0.88
100-42-5	Styrene	ND		2.0	1.5
127-18-4	Tetrachloroethene	ND		2.0	0.72
108-88-3	Toluene	ND		2.0	1.0
156-60-5	trans-1,2-Dichloroethene	ND		2.0	1.8
10061-02-6	trans-1,3-Dichloropropene	ND		2.0	0.74
79-01-6	Trichloroethene	ND		2.0	0.92
75-69-4	Trichlorofluoromethane	ND		2.0	1.8
75-01-4	Vinyl chloride	ND	UJ	2.0	1.8
1330-20-7	Xylenes, Total	ND		4.0	1.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	92		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		77-120
460-00-4	4-Bromofluorobenzene (Surr)	104		73-120
1868-53-7	Dibromofluoromethane (Surr)	96		75-123

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo Job No.: 480-224084-1

SDG No.:

Client Sample ID: EB-01-20241007-01 Lab Sample ID: 480-224084-1

Matrix: Water Lab File ID: pe3_100_334.D

Analysis Method: RSK-175 Date Collected: 10/07/2024 09:05

Sample wt/vol: 17(mL) Date Analyzed: 10/08/2024 13:03

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Alumina ID: 0.53(mm)

Purge Volume: Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 727440 Units: ug/L

Preparation Batch No.: Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	1.3	J	4.0	1.0
74-84-0	Ethane	ND		7.5	1.5
74-85-1	Ethene	ND		7.0	1.5

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

3

Lab Name: Eurofins Buffalo | Job No.: 480-224084-1

SDG No.:

Client Sample ID: MW-29-20241007-01 | Lab Sample ID: 480-224084-3

Matrix: Water | Lab File ID: pe3_100_335.D

Analysis Method: RSK-175 | Date Collected: 10/07/2024 17:55

Sample wt/vol: 17(mL) | Date Analyzed: 10/08/2024 13:22

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Alumina ID: 0.53(mm)

Purge Volume: | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 727440 | Units: ug/L

Preparation Batch No.: | Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	8.6		4.0	1.0
74-84-0	Ethane	ND		7.5	1.5
74-85-1	Ethene	ND		7.0	1.5

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

4

Lab Name: Eurofins Buffalo | Job No.: 480-224084-1

SDG No.:

Client Sample ID: MW-28-20241007-01 | Lab Sample ID: 480-224084-4

Matrix: Water | Lab File ID: pe3_100_336.D

Analysis Method: RSK-175 | Date Collected: 10/07/2024 17:30

Sample wt/vol: 17(mL) | Date Analyzed: 10/08/2024 13:43

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Alumina ID: 0.53(mm)

Purge Volume: | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 727440 | Units: ug/L

Preparation Batch No.: | Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	98		4.0	1.0
74-84-0	Ethane	ND		7.5	1.5
74-85-1	Ethene	ND		7.0	1.5

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

5

Lab Name: Eurofins Buffalo Job No.: 480-224084-1

SDG No.:

Client Sample ID: MW-26-20241007-01 Lab Sample ID: 480-224084-5

Matrix: Water Lab File ID: pe3_100_337.D

Analysis Method: RSK-175 Date Collected: 10/07/2024 17:50

Sample wt/vol: 17(mL) Date Analyzed: 10/08/2024 14:02

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Alumina ID: 0.53(mm)

Purge Volume: Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 727440 Units: ug/L

Preparation Batch No.: Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	ND		4.0	1.0
74-84-0	Ethane	ND		7.5	1.5
74-85-1	Ethene	ND		7.0	1.5

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

1

Client Sample ID: EB-01-20241007-01
Lab Sample ID: 480-224084-1
Lab Name: Eurofins Buffalo
Job No.: 480-224084-1
SDG ID.:
Matrix: Water
Date Sampled: 10/07/2024 09:05
Reporting Basis: WET
Date Received: 10/07/2024 19:25
Preparation Batch Number: 727498
Instrument ID: ICAP4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	ND	0.050	0.019	mg/L		U	1	6010D
7439-96-5	Manganese	ND	0.0030	0.00040	mg/L		U	1	6010D

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

1D

Client Sample ID: EB-01-20241007-01
Lab Sample ID: 480-224084-1
Lab Name: Eurofins Buffalo
Job No.: 480-224084-1
SDG ID.:
Matrix: Water
Date Sampled: 10/07/2024 09:05
Reporting Basis: WET
Date Received: 10/07/2024 19:25
Preparation Batch Number: 727506
Instrument ID: ICAP4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron, Dissolved	ND	0.050	0.019	mg/L		U	1	6010D
7439-96-5	Manganese, Dissolved	ND	0.0030	0.00040	mg/L		U	1	6010D

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

3

Client Sample ID: MW-29-20241007-01
Lab Sample ID: 480-224084-3
Lab Name: Eurofins Buffalo
Job No.: 480-224084-1
SDG ID.:
Matrix: Water
Date Sampled: 10/07/2024 17:55
Reporting Basis: WET
Date Received: 10/07/2024 19:25
Preparation Batch Number: 727498
Instrument ID: ICAP4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	0.21	0.050	0.019	mg/L		^5	1	6010D
7439-96-5	Manganese	0.059	0.0030	0.00040	mg/L		^5	1	6010D

MW 12/12/24

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

30

Client Sample ID: MW-29-20241007-01
Lab Sample ID: 480-224084-3
Lab Name: Eurofins Buffalo
Job No.: 480-224084-1
SDG ID.:
Matrix: Water
Date Sampled: 10/07/2024 17:55
Reporting Basis: WET
Date Received: 10/07/2024 19:25
Preparation Batch Number: 727506
Instrument ID: ICAP4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron, Dissolved	0.19	0.050	0.019	mg/L			1	6010D
7439-96-5	Manganese, Dissolved	0.057	0.0030	0.00040	mg/L			1	6010D

MW 12/21/24

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

4

Client Sample ID: MW-28-20241007-01 | Lab Sample ID: 480-224084-4

Lab Name: Eurofins Buffalo | Job No.: 480-224084-1

SDG ID.:

Matrix: Water | Date Sampled: 10/07/2024 17:30

Reporting Basis: WET | Date Received: 10/07/2024 19:25

Preparation Batch Number: 727498 | Instrument ID: ICAP4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	0.36	0.050	0.019	mg/L		^5	1	6010D
7439-96-5	Manganese	0.035	0.0030	0.00040	mg/L		^5	1	6010D

MW 12/12/24

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

4D

Client Sample ID: MW-28-20241007-01
Lab Sample ID: 480-224084-4
Lab Name: Eurofins Buffalo
Job No.: 480-224084-1
SDG ID.:
Matrix: Water
Date Sampled: 10/07/2024 17:30
Reporting Basis: WET
Date Received: 10/07/2024 19:25
Preparation Batch Number: 727506
Instrument ID: ICAP4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron, Dissolved	0.35	0.050	0.019	mg/L		^5	1	6010D
7439-96-5	Manganese, Dissolved	0.034	0.0030	0.00040	mg/L		^5	1	6010D

MW 10/21/2024

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

5

Client Sample ID: MW-26-20241007-01
Lab Sample ID: 480-224084-5
Lab Name: Eurofins Buffalo
Job No.: 480-224084-1
SDG ID.:
Matrix: Water
Date Sampled: 10/07/2024 17:50
Reporting Basis: WET
Date Received: 10/07/2024 19:25
Preparation Batch Number: 727498
Instrument ID: ICAP4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	0.078	0.050	0.019	mg/L		~~^5~~	1	6010D
7439-96-5	Manganese	0.0053	0.0030	0.00040	mg/L		~~^5~~	1	6010D

10/21/2024

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

SD

Client Sample ID: MW-26-20241007-01
Lab Sample ID: 480-224084-5
Lab Name: Eurofins Buffalo
Job No.: 480-224084-1
SDG ID.:
Matrix: Water
Date Sampled: 10/07/2024 17:50
Reporting Basis: WET
Date Received: 10/07/2024 19:25
Preparation Batch Number: 727506
Instrument ID: ICAP4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron, Dissolved	0.13	0.050	0.019	mg/L		^5-	1	6010D
7439-96-5	Manganese, Dissolved	0.0064	0.0030	0.00040	mg/L		^3-	1	6010D

MW 12/2024

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

1

Client Sample ID: EB-01-20241007-01
Lab Sample ID: 480-224084-1
Lab Name: Eurofins Buffalo
Job No.: 480-224084-1
SDG ID.:
Matrix: Water
Date Sampled: 10/07/2024 09:05
Reporting Basis: WET
Date Received: 10/07/2024 19:25
Preparation Batch Number:
Instrument ID: NOEQUIP

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
18496-25-8	Sulfide	ND	1.0	0.67	mg/L			1	SM 4500 S2 F
14797-55-8	Nitrate as N	ND	0.050	0.020	mg/L	UJ	H	1	353.2
14808-79-8	Sulfate	ND	5.0	1.5	mg/L			1	D516-90, 02
	Alkalinity	ND	5.0	0.79	mg/L			1	SM 2320B
16887-00-6	Chloride	ND	1.0	0.46	mg/L			1	SM 4500 Cl- E
7440-44-0	Total Organic Carbon	ND	1.0	0.43	mg/L			1	SM 5310C

rev 12/12/24

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

3

Client Sample ID: MW-29-20241007-01
Lab Sample ID: 480-224084-3
Lab Name: Eurofins Buffalo
Job No.: 480-224084-1
SDG ID.:
Matrix: Water
Date Sampled: 10/07/2024 17:55
Reporting Basis: WET
Date Received: 10/07/2024 19:25
Preparation Batch Number:
Instrument ID: NOEQUIP

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
18496-25-8	Sulfide	ND	1.0	0.67	mg/L			1	SM 4500 S2 F
14797-55-8	Nitrate as N	0.072	0.050	0.020	mg/L			1	353.2
14808-79-8	Sulfate	44.6	25.0	7.5	mg/L			5	D516-90, 02
	Alkalinity	301	5.0	0.79	mg/L			1	SM 2320B
16887-00-6	Chloride	766	39.0	17.9	mg/L		~~F1 F2~~	39	SM 4500 Cl- E
7440-44-0	Total Organic Carbon	ND	1.0	0.43	mg/L			1	SM 5310C

MW 12/24/24

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

4

Client Sample ID: MW-28-20241007-01
Lab Sample ID: 480-224084-4
Lab Name: Eurofins Buffalo
Job No.: 480-224084-1
SDG ID.:
Matrix: Water
Date Sampled: 10/07/2024 17:30
Reporting Basis: WET
Date Received: 10/07/2024 19:25
Preparation Batch Number:
Instrument ID: NOEQUIP

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
18496-25-8	Sulfide	ND	1.0	0.67	mg/L			1	SM 4500 S2 F
14797-55-8	Nitrate as N	ND	0.050	0.020	mg/L			1	353.2
14808-79-8	Sulfate	27.6	5.0	1.5	mg/L			1	D516-90, 02
	Alkalinity	418	5.0	0.79	mg/L			1	SM 2320B
16887-00-6	Chloride	48.1	1.0	0.46	mg/L			1	SM 4500 Cl- E
7440-44-0	Total Organic Carbon	0.47	1.0	0.43	mg/L	J		1	SM 5310C

MW 21 2024

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

5

Client Sample ID: MW-26-20241007-01
Lab Sample ID: 480-224084-5
Lab Name: Eurofins Buffalo
Job No.: 480-224084-1
SDG ID.:
Matrix: Water
Date Sampled: 10/07/2024 17:50
Reporting Basis: WET
Date Received: 10/07/2024 19:25
Preparation Batch Number:
Instrument ID: NOEQUIP

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
18496-25-8	Sulfide	ND	1.0	0.67	mg/L			1	SM 4500 S2 F
14797-55-8	Nitrate as N	0.17	0.050	0.020	mg/L			1	353.2
14808-79-8	Sulfate	39.6	5.0	1.5	mg/L			1	D516-90, 02
	Alkalinity	315	5.0	0.79	mg/L			1	SM 2320B
16887-00-6	Chloride	164	5.0	2.3	mg/L			5	SM 4500 Cl- E
7440-44-0	Total Organic Carbon	6.6	1.0	0.43	mg/L			1	SM 5310C

NW 11/21/24

ENVIRONMENTAL
Data Services, Inc.

DATA USABILITY SUMMARY REPORT
FORMER LEICA SITE, CHEEKTOWAGA, NEW YORK

Client: Environmental Resources Management, Inc., Syracuse, New York
SDG: 480-224173-1
Laboratory: Eurofins, Buffalo, New York
Site: Former Leica, Inc. Site, Cheektowaga, NY
Date: December 3, 2024

VOC			
EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	STANS-DUP-20241009-01	480-224173-1	Water
2	MW-41A-20241009-01	480-224173-2	Water
2MS	MW-41A-20241009-01MS	480-224173-2MS	Water
2MSD	MW-41A-20241009-01MSD	480-224173-2MSD	Water
3	MW-40A-20241009-01	480-224173-3	Water
4	MW-45A-20241009-01	480-224173-4	Water
5	MW-42A-20241009-01	480-224173-5	Water
6	MW-43A-20241009-01	480-224173-6	Water
7	MW-44A-20241009-01	480-224173-7	Water
7MS	MW-44A-20241009-01MS	480-224173-7MS	Water
7MSD	MW-44A-20241009-01MSD	480-224173-7MSD	Water
7DL	MW-44A-20241009-01DL	480-224173-7DL	Water
8	TB-03-20241009-01	480-224173-8	Water
9	EB-03-20241009-01	480 224173 9	Water
10	MW-34-20241009-01	480-224173-10	Water
11	MW-49-20241009-01	480-224173-11	Water
12	MW-50-20241009-01	480-224173-12	Water
12DL	MW-50-20241009-01DL	480-224173-12DL	Water
13	MW-47-20241009-01	480-224173-13	Water

MEE, Metals, Wet Chemistry			
EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
11	MW-49-20241009-01	480-224173-11	Water
12	MW-50-20241009-01	480-224173-12	Water
13	MW-47-20241009-01	480-224173-13	Water

A Data Usability Summary Review was performed on the analytical data for eleven water samples, one aqueous trip blank sample, and one aqueous equipment blank sample collected on October 9, 2024 by ERM at the Former Leica Site in Cheektowaga, New York. The samples were analyzed under Environmental Protection Agency (USEPA) Test Methods for the Evaluation of Solid Waste, USEPA SW-846, Third Edition, September 1986, with revisions, the Method for Analysis of Dissolved Gas in Water, the Methods for Chemical Analysis of Water and Wastes, the ASTM Standard Test Method for Sulfate Ion in Water, and the Standard Methods for Examination of Water and Wastewater.

Specific method references are as follows:

Analysis	*Method References*
VOC	USEPA SW-846 Method 8260C
MEE	USEPA Method RSK175
Metals (Fe/Mn) (T/D)	USEPA SW-846 Method 6010D
Nitrate	USEPA Method 353.2
Sulfate	ASTM Method D516-90, 02
Alkalinity	Standard Method SM2320B
Chloride	Standard Method SM4500 Cl-E
Sulfide	Standard Method SM4500 S2 F
TOC	Standard Method SM5310C

The data have been validated according to the protocols and quality control (QC) requirements of the analytical methods and the USEPA Region II Data Review Standard Operating Procedures (SOPs) as follows:

- SOP Number QA-HWSS-A-004, March 2022, Standard Operating Procedure for the Validation of Volatile Data;
- SOP Number QA-HWSS-A-010, March 2022, Standard Operating Procedure for the Validation of ICP-AES Data;
- SOP Number QA-HWSS-A-012, March 2022, Standard Operating Procedure for Validation of Cyanide Data;
- and the reviewer's professional judgment.

The following items/criteria were reviewed for this report:

Organics

- Data Completeness
- Holding times and sample preservation
- Gas Chromatography (GC)/Mass Spectroscopy (MS) tuning
- Initial and continuing calibration summaries
- Method blank and field blank contamination
- Surrogate Spike recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries
- Laboratory Control Sample (LCS) recoveries
- Compound Quantitation
- Internal standard area and retention time summary forms
- Method blank and field blank contamination
- Tentatively Identified Compounds (TICs)
- Field Duplicate sample precision

Inorganics

- Data Completeness
- Holding times and sample preservation
- Initial and continuing calibration verifications
- Method blank and field blank contamination

- Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries
- Duplicate Sample Analysis recoveries
- Laboratory Control Sample (LCS) recoveries
- ICP Serial Dilution
- Compound Quantitation
- Field Duplicate sample precision

Data Usability Assessment

There were no rejections of data.

The data are acceptable for the intended purposes as qualified for the deficiencies detailed in this report.

Please note that any results qualified (U) due to blank contamination may be then qualified (J) due to another action. Therefore, the results may be qualified (UJ) due to the culmination of the blank contaminations and actions from other exceedances of QC criteria.

Data Completeness

- The data is a complete Category B data package as defined under the requirements for the NYS Department of Environmental Conservation Analytical Services Protocol.

Volatile Organic Compounds (VOCs)

Holding Times

- All samples were analyzed within 7 days for unpreserved and 14 days for preserved water samples.

GC/MS Tuning

- All criteria were met.

Initial Calibration

- The initial calibrations exhibited acceptable %RSD and/or correlation coefficients and mean RRF values.

Continuing Calibration

- The following table presents compounds that exceeded percent difference (%D) criteria and/or RRF values <0.05 in the continuing calibration (CCAL). A low RRF indicates poor instrument sensitivity for these compounds. Positive results for these compounds in the affected samples are considered estimated and qualified (J). Non-detect results for these compounds in the affected samples are rejected (R) and are unusable for project objectives. A high %D may indicate a potential high or low bias. All results for these compounds in affected samples are considered estimated and qualified (J/UJ).

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
10/13/24 (1304)	Trichlorofluoromethane	23.9%	UJ	7DL

Method Blank

- The method blanks were free of contamination.

Field Blank

- The following table lists field blanks with contamination and the samples associated with the blanks that had results qualified as a consequence of the blank contamination. Detected sample concentrations of methylene chloride, 2-butanone, toluene or acetone (common laboratory contaminants) less than ten times (10x) the highest associated blank (after taking sample dilution levels, percent moisture and sample volume into account) are negated and qualified with a (U). For all other compounds, an action level of five times (5x) the highest associated blank concentration is used.

Sample ID	Compound	Conc. ug/L	Qualifier	Affected Samples
TB-03-20241009-01	None - ND	-	-	-
EB-03-20241009-01	None - ND	-	-	-

Surrogate Spike Recoveries

- All samples exhibited acceptable surrogate percent recoveries (%R).

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- The following table presents MS/MSD samples that exhibited percent recoveries (%R) outside the QC limits and/or relative percent differences (RPD) above QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J). Results are valid and usable, however possibly biased.

Sample ID	Compound	MS %R/MSD %R/RPD	Qualifier
2	1,1-Dichloroethene	OK/OK/17	None for RPD Alone
	Benzene	OK/OK/17	
	Carbon Tetrachloride	OK/OK/17	
	cis-1,3-Dichloropropene	OK/73%/OK	UJ
	trans-1,3-Dichloropropene	OK/75%/OK	

Laboratory Control Samples

- The LCS samples exhibited acceptable percent recoveries (%R).

Internal Standard (IS) Area Performance

- All internal standards met response and retention time (RT) criteria.

Compound Quantitation

- Several samples were analyzed at various dilutions due to high concentrations of target compounds and/or foaming. The reporting limits were adjusted accordingly. No action was required.
- EDS samples 7 and 12 exhibited high concentrations of vinyl chloride and were flagged (E) by the laboratory indicating the calibration range was exceeded. The samples were reanalyzed at a dilution and the dilution results should be used for reporting purposes.

Tentatively Identified Compounds (TICs)

- TICs were not reported.

Field Duplicate Sample Precision

- Field duplicate results are summarized below. The precision was acceptable.

Compound	STANS-DUP-20241009-01 ug/L	MW-44A-20241009-01 ug/L	RPD	Qualifier
1,1-Dichlorothene	4.0U	0.30	NC	None
cis-1,2-Dichloroethene	100	99	1%	
trans-1,2-Dichloroethene	4.0U	2.4	NC	
Vinyl Chloride	290	270	7%	

Dissolved Gas (MEE)

Holding Times

- All samples were analyzed within 14 days for preserved water samples.

Initial Calibration

- The initial calibrations exhibited acceptable %RSD and/or correlation coefficients.

Continuing Calibration

- The continuing calibrations exhibited acceptable percent differences (%D).

Method Blank

- The method blanks were free of contamination.

Field Blank

- Field blank samples were not collected.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- MS/MSD samples were not analyzed.

Laboratory Control Samples (LCS/LCSD)

- The LCS/LCSD samples exhibited acceptable percent recoveries (%R) and RPD values.

Compound Quantitation

- Several samples were analyzed at various dilutions due to high concentrations of target compounds. The reporting limits were adjusted accordingly. No action was required.

Field Duplicate Sample Precision

- Field duplicate samples were not collected.

Metals (Fe/Mn) (Total & Dissolved)

Holding Times

- All samples were prepared and analyzed within 180 days.

Initial Calibration Verification

- All initial calibration criteria were met.

Continuing Calibration Verification

- All continuing calibration criteria were met.

Method Blank

- The method blanks were free of contamination.

Field Blank

- Field blank samples were not collected.

Matrix Spike (MS) Recoveries

- MS/MSD samples were not analyzed.

Duplicate Sample Analysis

- A duplicate sample was not analyzed.

Laboratory Control Samples

- The LCS samples exhibited acceptable percent recoveries (%R).

ICP Serial Dilution

- ICP serial dilution samples were not analyzed.

Compound Quantitation

- All criteria were met.

Field Duplicate Sample Precision

- Field duplicate samples were not collected.

Nitrate, Sulfate, Alkalinity, Chloride, Sulfide, TOC

Holding Times

- All samples were prepared and analyzed the recommended holding time.

Initial Calibration Verification

- All initial calibration criteria were met.

Continuing Calibration Verification

- All continuing calibration criteria were met.

Method Blank

- The following table lists method blanks with contamination and the samples associated with the blanks that had results qualified as a consequence of the blank contamination. Detected sample concentrations less than ten times (10x) the highest associated blank (after taking sample dilution levels, percent moisture and sample volume into account) are negated and qualified with a (U).

Sample ID	Compound	Conc. mg/L	Qualifier	Affected Samples
MB 480-728153	TOC	0.477	None	All Associated >5X

Field Blank

- Field blank samples were not collected.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- MS/MSD samples were not analyzed.

Duplicate Sample Analysis

- A duplicate sample was not collected.

Laboratory Control Samples

- The LCS samples exhibited acceptable percent recoveries (%R).

Compound Quantitation

- EDS samples 12 and 13 were analyzed at a 5X due to high concentrations of sulfate. The reporting limits were adjusted accordingly. No action was required.

Field Duplicate Sample Precision

- Field duplicate samples were not collected.

Please contact the undersigned at (561) 475-2000 if you have any questions or need further information.

Signed: Nancy Weaver Dated: 12/4/24

Nancy Weaver
Senior Chemist

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
NJ	The analysis has been "tentatively identified" or "presumptively" as present and the associated numerical value is the estimated concentration in the samples.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limits is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-224173-1

SDG No.:

Client Sample ID: STANS-DUP-20241009-01 | Lab Sample ID: 480-224173-1

Matrix: Water | Lab File ID: N0341.d

Analysis Method: 8260C | Date Collected: 10/09/2024 12:00

Sample wt/vol: 5(mL) | Date Analyzed: 10/10/2024 17:15

Soil Aliquot Vol: | Dilution Factor: 4

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 727735 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5973N

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		4.0	3.3
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.0	0.84
79-00-5	1,1,2-Trichloroethane	ND		4.0	0.92
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2
75-34-3	1,1-Dichloroethane	ND		4.0	1.5
75-35-4	1,1-Dichloroethene	ND		4.0	1.2
120-82-1	1,2,4-Trichlorobenzene	ND		4.0	1.6
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.0	1.6
95-50-1	1,2-Dichlorobenzene	ND		4.0	3.2
107-06-2	1,2-Dichloroethane	ND		4.0	0.84
78-87-5	1,2-Dichloropropane	ND		4.0	2.9
541-73-1	1,3-Dichlorobenzene	ND		4.0	3.1
106-46-7	1,4-Dichlorobenzene	ND		4.0	3.4
78-93-3	2-Butanone (MEK)	ND		40	5.3
591-78-6	2-Hexanone	ND		20	5.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		20	8.4
67-64-1	Acetone	ND		40	12
71-43-2	Benzene	ND		4.0	1.6
75-27-4	Dichlorobromomethane	ND		4.0	1.6
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		4.0	2.8
75-15-0	Carbon disulfide	ND		4.0	0.76
56-23-5	Carbon tetrachloride	ND		4.0	1.1
108-90-7	Chlorobenzene	ND		4.0	3.0
124-48-1	Chlorodibromomethane	ND		4.0	1.3
75-00-3	Chloroethane	ND		4.0	1.3
67-66-3	Chloroform	ND		4.0	1.4
74-87-3	Chloromethane	ND		4.0	1.4
156-59-2	cis-1,2-Dichloroethene	100		4.0	3.2
10061-01-5	cis-1,3-Dichloropropene	ND		4.0	1.4
110-82-7	Cyclohexane	ND		4.0	0.72
75-71-8	Dichlorodifluoromethane	ND		4.0	2.7

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

1

Lab Name: Eurofins Buffalo Job No.: 480-224173-1

SDG No.:

Client Sample ID: STANS-DUP-20241009-01 Lab Sample ID: 480-224173-1

Matrix: Water Lab File ID: N0341.d

Analysis Method: 8260C Date Collected: 10/09/2024 12:00

Sample wt/vol: 5(mL) Date Analyzed: 10/10/2024 17:15

Soil Aliquot Vol: Dilution Factor: 4

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 727735 Units: ug/L

Preparation Batch No.: Instrument ID: HP5973N

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		4.0	3.0
106-93-4	1,2-Dibromoethane	ND		4.0	2.9
98-82-8	Isopropylbenzene	ND		4.0	3.2
79-20-9	Methyl acetate	ND		10	5.2
1634-04-4	Methyl tert-butyl ether	ND		4.0	0.64
108-87-2	Methylcyclohexane	ND		4.0	0.64
75-09-2	Methylene Chloride	ND		4.0	1.8
100-42-5	Styrene	ND		4.0	2.9
127-18-4	Tetrachloroethene	ND		4.0	1.4
108-88-3	Toluene	ND		4.0	2.0
156-60-5	trans-1,2-Dichloroethene	ND		4.0	3.6
10061-02-6	trans-1,3-Dichloropropene	ND		4.0	1.5
79-01-6	Trichloroethene	ND		4.0	1.8
75-69-4	Trichlorofluoromethane	ND		4.0	3.5
75-01-4	Vinyl chloride	290		4.0	3.6
1330-20-7	Xylenes, Total	ND		8.0	2.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	88		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		77-120
460-00-4	4-Bromofluorobenzene (Surr)	104		73-120
1868-53-7	Dibromofluoromethane (Surr)	97		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

2

Lab Name: Eurofins Buffalo | Job No.: 480-224173-1

SDG No.:

Client Sample ID: MW-41A-20241009-01 | Lab Sample ID: 480-224173-2

Matrix: Water | Lab File ID: N0342.d

Analysis Method: 8260C | Date Collected: 10/09/2024 09:10

Sample wt/vol: 5(mL) | Date Analyzed: 10/10/2024 17:37

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 727735 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5973N

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.30
75-35-4	1,1-Dichloroethene	ND	~~F2~~	1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND	~~F2~~	1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND	~~F2~~	1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND	~~F1~~ UJ	1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

2

Lab Name: Eurofins Buffalo Job No.: 480-224173-1

SDG No.:

Client Sample ID: MW-41A-20241009-01 Lab Sample ID: 480-224173-2

Matrix: Water Lab File ID: N0342.d

Analysis Method: 8260C Date Collected: 10/09/2024 09:10

Sample wt/vol: 5(mL) Date Analyzed: 10/10/2024 17:37

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 727735 Units: ug/L

Preparation Batch No.: Instrument ID: HP5973N

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND	~~P~~ UJ	1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	90		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		77-120
460-00-4	4-Bromofluorobenzene (Surr)	107		73-120
1868-53-7	Dibromofluoromethane (Surr)	92		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

3

Lab Name: Eurofins Buffalo Job No.: 480-224173-1

SDG No.:

Client Sample ID: MW-40A-20241009-01 Lab Sample ID: 480-224173-3

Matrix: Water Lab File ID: N0343.d

Analysis Method: 8260C Date Collected: 10/09/2024 09:20

Sample wt/vol: 5(mL) Date Analyzed: 10/10/2024 18:00

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 727735 Units: ug/L

Preparation Batch No.: Instrument ID: HP5973N

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	5.0		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	0.69	J	1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

3

Lab Name: Eurofins Buffalo | Job No.: 480-224173-1

SDG No.:

Client Sample ID: MW-40A-20241009-01 | Lab Sample ID: 480-224173-3

Matrix: Water | Lab File ID: N0343.d

Analysis Method: 8260C | Date Collected: 10/09/2024 09:20

Sample wt/vol: 5(mL) | Date Analyzed: 10/10/2024 18:00

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 727735 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5973N

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	7.7		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	91		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		77-120
460-00-4	4-Bromofluorobenzene (Surr)	103		73-120
1868-53-7	Dibromofluoromethane (Surr)	87		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

4

Lab Name: Eurofins Buffalo | Job No.: 480-224173-1

SDG No.:

Client Sample ID: MW-45A-20241009-01 | Lab Sample ID: 480-224173-4

Matrix: Water | Lab File ID: N0344.d

Analysis Method: 8260C | Date Collected: 10/09/2024 10:45

Sample wt/vol: 5(mL) | Date Analyzed: 10/10/2024 18:23

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 727735 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5973N

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.69	J	1.0	0.31
75-34-3	1,1-Dichloroethane	2.1		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	21		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68

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4

Lab Name: Eurofins Buffalo | Job No.: 480-224173-1

SDG No.:

Client Sample ID: MW-45A-20241009-01 | Lab Sample ID: 480-224173-4

Matrix: Water | Lab File ID: N0344.d

Analysis Method: 8260C | Date Collected: 10/09/2024 10:45

Sample wt/vol: 5(mL) | Date Analyzed: 10/10/2024 18:23

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 727735 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5973N

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	33		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	89		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		77-120
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
1868-53-7	Dibromofluoromethane (Surr)	86		75-123

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5

Lab Name: Eurofins Buffalo Job No.: 480-224173-1

SDG No.:

Client Sample ID: MW-42A-20241009-01 Lab Sample ID: 480-224173-5

Matrix: Water Lab File ID: N0345.d

Analysis Method: 8260C Date Collected: 10/09/2024 11:50

Sample wt/vol: 5(mL) Date Analyzed: 10/10/2024 18:45

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 727735 Units: ug/L

Preparation Batch No.: Instrument ID: HP5973N

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	1.6		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	5.6		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68

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5

Lab Name: Eurofins Buffalo | Job No.: 480-224173-1

SDG No.:

Client Sample ID: MW-42A-20241009-01 | Lab Sample ID: 480-224173-5

Matrix: Water | Lab File ID: N0345.d

Analysis Method: 8260C | Date Collected: 10/09/2024 11:50

Sample wt/vol: 5(mL) | Date Analyzed: 10/10/2024 18:45

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 727735 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5973N

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	14		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	90		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	87		77-120
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
1868-53-7	Dibromofluoromethane (Surr)	85		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

6

Lab Name: Eurofins Buffalo | Job No.: 480-224173-1

SDG No.:

Client Sample ID: MW-43A-20241009-01 | Lab Sample ID: 480-224173-6

Matrix: Water | Lab File ID: N0346.d

Analysis Method: 8260C | Date Collected: 10/09/2024 13:35

Sample wt/vol: 5(mL) | Date Analyzed: 10/10/2024 19:07

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 727735 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5973N

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75 34 3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	1.5		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

6

Lab Name: Eurofins Buffalo | Job No.: 480-224173-1

SDG No.:

Client Sample ID: MW-43A-20241009-01 | Lab Sample ID: 480-224173-6

Matrix: Water | Lab File ID: N0346.d

Analysis Method: 8260C | Date Collected: 10/09/2024 13:35

Sample wt/vol: 5(mL) | Date Analyzed: 10/10/2024 19:07

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 727735 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5973N

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	93		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	86		77-120
460-00-4	4-Bromofluorobenzene (Surr)	104		73-120
1868-53-7	Dibromofluoromethane (Surr)	86		75-123

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7

Lab Name: Eurofins Buffalo Job No.: 480-224173-1

SDG No.:

Client Sample ID: MW-44A-20241009-01 Lab Sample ID: 480-224173-7

Matrix: Water Lab File ID: N0347.d

Analysis Method: 8260C Date Collected: 10/09/2024 17:10

Sample wt/vol: 5(mL) Date Analyzed: 10/10/2024 19:30

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 727735 Units: ug/L

Preparation Batch No.: Instrument ID: HP5973N

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	0.30	J	1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	99		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

7

Lab Name: Eurofins Buffalo | Job No.: 480-224173-1

SDG No.:

Client Sample ID: MW-44A-20241009-01 | Lab Sample ID: 480-224173-7

Matrix: Water | Lab File ID: N0347.d

Analysis Method: 8260C | Date Collected: 10/09/2024 17:10

Sample wt/vol: 5(mL) | Date Analyzed: 10/10/2024 19:30

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 727735 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5973N

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	2.4		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	*Vinyl chloride*	270 ~~290~~	E	5.0 ~~1.0~~	4.5 ~~0.90~~
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	90		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	86		77-120
460-00-4	4-Bromofluorobenzene (Surr)	103		73-120
1868-53-7	Dibromofluoromethane (Surr)	92		75-123

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JDL

Lab Name: Eurofins Buffalo | Job No.: 480-224173-1

SDG No.:

Client Sample ID: MW-44A-20241009-01 DL | Lab Sample ID: 480-224173-7 DL

Matrix: Water | Lab File ID: D7605.d

Analysis Method: 8260C | Date Collected: 10/09/2024 17:10

Sample wt/vol: 5(mL) | Date Analyzed: 10/13/2024 15:16

Soil Aliquot Vol: | Dilution Factor: 5

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

use original

Analysis Batch No.: 728122 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.0	4.1
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.0	1.1
79-00-5	1,1,2-Trichloroethane	ND		5.0	1.2
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6
75-34-3	1,1-Dichloroethane	ND		5.0	1.9
75-35-4	1,1-Dichloroethene	ND		5.0	1.5
120-82-1	1,2,4-Trichlorobenzene	ND		5.0	2.1
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.0	2.0
95-50-1	1,2-Dichlorobenzene	ND		5.0	4.0
107-06-2	1,2-Dichloroethane	ND		5.0	1.1
78-87-5	1,2-Dichloropropane	ND		5.0	3.6
541-73-1	1,3-Dichlorobenzene	ND		5.0	3.9
106-46-7	1,4-Dichlorobenzene	ND		5.0	4.2
78-93-3	2-Butanone (MEK)	ND		50	6.6
591-78-6	2-Hexanone	ND		25	6.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		25	11
67-64-1	Acetone	ND		50	15
71-43-2	Benzene	ND		5.0	2.1
75-27-4	Dichlorobromomethane	ND		5.0	2.0
75-25-2	Bromoform	ND		5.0	1.3
74-83-9	Bromomethane	ND		5.0	3.5
75-15-0	Carbon disulfide	ND		5.0	0.95
56-23-5	Carbon tetrachloride	ND		5.0	1.4
108-90-7	Chlorobenzene	ND		5.0	3.8
124-48-1	Chlorodibromomethane	ND		5.0	1.6
75-00-3	Chloroethane	ND		5.0	1.6
67-66-3	Chloroform	ND		5.0	1.7
74-87-3	Chloromethane	ND		5.0	1.8
156-59-2	cis-1,2-Dichloroethene	91		5.0	4.1
10061-01-5	cis-1,3-Dichloropropene	ND		5.0	1.8
110-82-7	Cyclohexane	ND		5.0	0.90
75-71-8	Dichlorodifluoromethane	ND		5.0	3.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

7DL

Lab Name: Eurofins Buffalo | Job No.: 480-224173-1

SDG No.:

Client Sample ID: MW-44A-20241009-01 DL | Lab Sample ID: 480-224173-7 DL

Matrix: Water | Lab File ID: D7605.d

Analysis Method: 8260C | Date Collected: 10/09/2024 17:10

Sample wt/vol: 5(mL) | Date Analyzed: 10/13/2024 15:16

Soil Aliquot Vol: | Dilution Factor: 5

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

use orginal

Analysis Batch No.: 728122 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5975D

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		5.0	3.7
106-93-4	1,2-Dibromoethane	ND		5.0	3.7
98-82-8	Isopropylbenzene	ND		5.0	4.0
79-20-9	Methyl acetate	ND		13	6.5
1634-04-4	Methyl tert-butyl ether	ND		5.0	0.80
108-87-2	Methylcyclohexane	ND		5.0	0.80
75-09-2	Methylene Chloride	ND		5.0	2.2
100-42-5	Styrene	ND		5.0	3.7
127-18-4	Tetrachloroethene	ND		5.0	1.8
108-88-3	Toluene	ND		5.0	2.6
156-60-5	trans-1,2-Dichloroethene	ND		5.0	4.5
10061-02-6	trans-1,3-Dichloropropene	ND		5.0	1.9
79-01-6	Trichloroethene	ND		5.0	2.3
75-69-4	Trichlorofluoromethane	ND	UJ	5.0	4.4
75-01-4	Vinyl chloride	270		5.0	4.5
1330-20-7	Xylenes, Total	ND		10	3.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	98		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		77-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
1868-53-7	Dibromofluoromethane (Surr)	105		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

8

Lab Name: Eurofins Buffalo | Job No.: 480-224173-1

SDG No.:

Client Sample ID: TB-03-20241009-01 | Lab Sample ID: 480-224173-8

Matrix: Water | Lab File ID: N0348.d

Analysis Method: 8260C | Date Collected: 10/09/2024 08:00

Sample wt/vol: 5(mL) | Date Analyzed: 10/10/2024 19:52

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 727735 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5973N

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

8

Lab Name: Eurofins Buffalo | Job No.: 480-224173-1

SDG No.:

Client Sample ID: TB-03-20241009-01 | Lab Sample ID: 480-224173-8

Matrix: Water | Lab File ID: N0348.d

Analysis Method: 8260C | Date Collected: 10/09/2024 08:00

Sample wt/vol: 5(mL) | Date Analyzed: 10/10/2024 19:52

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 727735 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5973N

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	88		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		77-120
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
1868-53-7	Dibromofluoromethane (Surr)	89		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

9

Lab Name: Eurofins Buffalo Job No.: 480-224173-1

SDG No.:

Client Sample ID: EB-03-20241009-01 Lab Sample ID: 480-224173-9

Matrix: Water Lab File ID: N0349.d

Analysis Method: 8260C Date Collected: 10/09/2024 08:05

Sample wt/vol: 5(mL) Date Analyzed: 10/10/2024 20:14

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 727735 Units: ug/L

Preparation Batch No.: Instrument ID: HP5973N

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

9

Lab Name: Eurofins Buffalo | Job No.: 480-224173-1

SDG No.:

Client Sample ID: EB-03-20241009-01 | Lab Sample ID: 480-224173-9

Matrix: Water | Lab File ID: N0349.d

Analysis Method: 8260C | Date Collected: 10/09/2024 08:05

Sample wt/vol: 5(mL) | Date Analyzed: 10/10/2024 20:14

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 727735 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5973N

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	90		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		77-120
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
1868-53-7	Dibromofluoromethane (Surr)	86		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

10

Lab Name: Eurofins Buffalo Job No.: 480-224173-1

SDG No.:

Client Sample ID: MW-34-20241009-01 Lab Sample ID: 480-224173-10

Matrix: Water Lab File ID: N0397.d

Analysis Method: 8260C Date Collected: 10/09/2024 08:20

Sample wt/vol: 5(mL) Date Analyzed: 10/11/2024 16:14

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 727908 Units: ug/L

Preparation Batch No.: Instrument ID: HP5973N

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

10

Lab Name: Eurofins Buffalo Job No.: 480-224173-1

SDG No.:

Client Sample ID: MW-34-20241009-01 Lab Sample ID: 480-224173-10

Matrix: Water Lab File ID: N0397.d

Analysis Method: 8260C Date Collected: 10/09/2024 08:20

Sample wt/vol: 5(mL) Date Analyzed: 10/11/2024 16:14

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 727908 Units: ug/L

Preparation Batch No.: Instrument ID: HP5973N

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	89		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	84		77-120
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
1868-53-7	Dibromofluoromethane (Surr)	90		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

11

Lab Name: Eurofins Buffalo | Job No.: 480-224173-1

SDG No.:

Client Sample ID: MW-49-20241009-01 | Lab Sample ID: 480-224173-11

Matrix: Water | Lab File ID: N0350.d

Analysis Method: 8260C | Date Collected: 10/09/2024 09:00

Sample wt/vol: 5(mL) | Date Analyzed: 10/10/2024 20:36

Soil Aliquot Vol: | Dilution Factor: 8

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH: 5.0

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 727735 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5973N

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		8.0	6.6
79-34-5	1,1,2,2-Tetrachloroethane	ND		8.0	1.7
79-00-5	1,1,2-Trichloroethane	ND		8.0	1.8
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.0	2.5
75-34-3	1,1-Dichloroethane	ND		8.0	3.0
75-35-4	1,1-Dichloroethene	ND		8.0	2.3
120-82-1	1,2,4-Trichlorobenzene	ND		8.0	3.3
96-12-8	1,2-Dibromo-3-Chloropropane	ND		8.0	3.1
95-50-1	1,2-Dichlorobenzene	ND		8.0	6.3
107-06-2	1,2-Dichloroethane	ND		8.0	1.7
78-87-5	1,2-Dichloropropane	ND		8.0	5.8
541-73-1	1,3-Dichlorobenzene	ND		8.0	6.2
106-46-7	1,4-Dichlorobenzene	ND		8.0	6.7
78-93-3	2-Butanone (MEK)	ND		80	11
591-78-6	2-Hexanone	ND		40	9.9
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		40	17
67-64-1	Acetone	ND		80	24
71-43-2	Benzene	ND		8.0	3.3
75-27-4	Dichlorobromomethane	ND		8.0	3.1
75-25-2	Bromoform	ND		8.0	2.1
74-83-9	Bromomethane	ND		8.0	5.5
75-15-0	Carbon disulfide	ND		8.0	1.5
56-23-5	Carbon tetrachloride	ND		8.0	2.2
108-90-7	Chlorobenzene	ND		8.0	6.0
124-48-1	Chlorodibromomethane	ND		8.0	2.6
75-00-3	Chloroethane	ND		8.0	2.6
67-66-3	Chloroform	ND		8.0	2.7
74-87-3	Chloromethane	ND		8.0	2.8
156-59-2	cis-1,2-Dichloroethene	13		8.0	6.5
10061-01-5	cis-1,3-Dichloropropene	ND		8.0	2.9
110-82-7	Cyclohexane	ND		8.0	1.4
75-71-8	Dichlorodifluoromethane	ND		8.0	5.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

11

Lab Name: Eurofins Buffalo | Job No.: 480-224173-1

SDG No.:

Client Sample ID: MW-49-20241009-01 | Lab Sample ID: 480-224173-11

Matrix: Water | Lab File ID: N0350.d

Analysis Method: 8260C | Date Collected: 10/09/2024 09:00

Sample wt/vol: 5(mL) | Date Analyzed: 10/10/2024 20:36

Soil Aliquot Vol: | Dilution Factor: 8

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH: 5.0

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 727735 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5973N

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		8.0	5.9
106-93-4	1,2-Dibromoethane	ND		8.0	5.8
98-82-8	Isopropylbenzene	ND		8.0	6.3
79-20-9	Methyl acetate	ND		20	10
1634-04-4	Methyl tert-butyl ether	ND		8.0	1.3
108-87-2	Methylcyclohexane	ND		8.0	1.3
75-09-2	Methylene Chloride	ND		8.0	3.5
100-42-5	Styrene	ND		8.0	5.8
127-18-4	Tetrachloroethene	ND		8.0	2.9
108-88-3	Toluene	ND		8.0	4.1
156-60-5	trans-1,2-Dichloroethene	ND		8.0	7.2
10061-02-6	trans-1,3-Dichloropropene	ND		8.0	3.0
79-01-6	Trichloroethene	ND		8.0	3.7
75-69-4	Trichlorofluoromethane	ND		8.0	7.0
75-01-4	Vinyl chloride	28		8.0	7.2
1330-20-7	Xylenes, Total	7.1	J	16	5.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	92		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		77-120
460-00-4	4-Bromofluorobenzene (Surr)	105		73-120
1868-53-7	Dibromofluoromethane (Surr)	92		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

12

Lab Name: Eurofins Buffalo Job No.: 480-224173-1

SDG No.:

Client Sample ID: MW-50-20241009-01 Lab Sample ID: 480-224173-12

Matrix: Water Lab File ID: N0351.d

Analysis Method: 8260C Date Collected: 10/09/2024 10:35

Sample wt/vol: 5(mL) Date Analyzed: 10/10/2024 20:59

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 727735 Units: ug/L

Preparation Batch No.: Instrument ID: HP5973N

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		2.0	1.6
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.0	0.42
79-00-5	1,1,2-Trichloroethane	ND		2.0	0.46
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62
75-34-3	1,1-Dichloroethane	ND		2.0	0.76
75-35-4	1,1-Dichloroethene	ND		2.0	0.58
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.82
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.78
95-50-1	1,2-Dichlorobenzene	ND		2.0	1.6
107-06-2	1,2-Dichloroethane	ND		2.0	0.42
78-87-5	1,2-Dichloropropane	ND		2.0	1.4
541-73-1	1,3-Dichlorobenzene	ND		2.0	1.6
106-46-7	1,4-Dichlorobenzene	ND		2.0	1.7
78-93-3	2-Butanone (MEK)	ND		20	2.6
591-78-6	2-Hexanone	ND		10	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	4.2
67-64-1	Acetone	ND		20	6.0
71-43-2	Benzene	ND		2.0	0.82
75-27-4	Dichlorobromomethane	ND		2.0	0.78
75-25-2	Bromoform	ND		2.0	0.52
74-83-9	Bromomethane	ND		2.0	1.4
75-15-0	Carbon disulfide	ND		2.0	0.38
56-23-5	Carbon tetrachloride	ND		2.0	0.54
108-90-7	Chlorobenzene	ND		2.0	1.5
124-48-1	Chlorodibromomethane	ND		2.0	0.64
75-00-3	Chloroethane	ND		2.0	0.64
67-66-3	Chloroform	ND		2.0	0.68
74-87-3	Chloromethane	ND		2.0	0.70
156-59-2	cis-1,2-Dichloroethene	20		2.0	1.6
10061-01-5	cis-1,3-Dichloropropene	ND		2.0	0.72
110-82-7	Cyclohexane	ND		2.0	0.36
75-71-8	Dichlorodifluoromethane	ND		2.0	1.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

12

Lab Name: Eurofins Buffalo Job No.: 480-224173-1

SDG No.:

Client Sample ID: MW-50-20241009-01 Lab Sample ID: 480-224173-12

Matrix: Water Lab File ID: N0351.d

Analysis Method: 8260C Date Collected: 10/09/2024 10:35

Sample wt/vol: 5(mL) Date Analyzed: 10/10/2024 20:59

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 727735 Units: ug/L

Preparation Batch No.: Instrument ID: HP5973N

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		2.0	1.5
106-93-4	1,2-Dibromoethane	ND		2.0	1.5
98-82-8	Isopropylbenzene	ND		2.0	1.6
79-20-9	Methyl acetate	ND		5.0	2.6
1634-04-4	Methyl tert-butyl ether	ND		2.0	0.32
108-87-2	Methylcyclohexane	ND		2.0	0.32
75-09-2	Methylene Chloride	ND		2.0	0.88
100-42-5	Styrene	ND		2.0	1.5
127-18-4	Tetrachloroethene	ND		2.0	0.72
108-88-3	Toluene	ND		2.0	1.0
156-60-5	trans-1,2-Dichloroethene	ND		2.0	1.8
10061-02-6	trans-1,3-Dichloropropene	ND		2.0	0.74
79-01-6	Trichloroethene	ND		2.0	0.92
75-69-4	Trichlorofluoromethane	ND		2.0	1.8
75-01-4	*Vinyl chloride*	250 ~~200~~ E		4.0 ~~2.0~~	3.6 ~~1.8~~
1330-20-7	Xylenes, Total	ND		4.0	1.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	89		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		77-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
1868-53-7	Dibromofluoromethane (Surr)	88		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

120L

Lab Name: Eurofins Buffalo | Job No.: 480-224173-1

SDG No.:

Client Sample ID: MW-50-20241009-01 DL | Lab Sample ID: 480-224173-12 DL

Matrix: Water | Lab File ID: S3106.d

Analysis Method: 8260C | Date Collected: 10/09/2024 10:35

Sample wt/vol: 5(mL) | Date Analyzed: 10/18/2024 12:59

Soil Aliquot Vol: | Dilution Factor: 4

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 728780 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5973S

use original

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		4.0	3.3
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.0	0.84
79-00-5	1,1,2-Trichloroethane	ND		4.0	0.92
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2
75-34-3	1,1-Dichloroethane	ND		4.0	1.5
75-35-4	1,1-Dichloroethene	ND		4.0	1.2
120-82-1	1,2,4-Trichlorobenzene	ND		4.0	1.6
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.0	1.6
95-50-1	1,2-Dichlorobenzene	ND		4.0	3.2
107-06-2	1,2-Dichloroethane	ND		4.0	0.84
78-87-5	1,2-Dichloropropane	ND		4.0	2.9
541-73-1	1,3-Dichlorobenzene	ND		4.0	3.1
106-46-7	1,4-Dichlorobenzene	ND		4.0	3.4
78-93-3	2-Butanone (MEK)	ND		40	5.3
591-78-6	2-Hexanone	ND		20	5.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		20	8.4
67-64-1	Acetone	ND		40	12
71-43-2	Benzene	ND		4.0	1.6
75-27-4	Dichlorobromomethane	ND		4.0	1.6
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		4.0	2.8
75-15-0	Carbon disulfide	ND		4.0	0.76
56-23-5	Carbon tetrachloride	ND		4.0	1.1
108-90-7	Chlorobenzene	ND		4.0	3.0
124-48-1	Chlorodibromomethane	ND		4.0	1.3
75-00-3	Chloroethane	ND		4.0	1.3
67-66-3	Chloroform	ND		4.0	1.4
74-87-3	Chloromethane	ND		4.0	1.4
156-59-2	cis-1,2-Dichloroethene	21		4.0	3.2
10061-01-5	cis-1,3-Dichloropropene	ND		4.0	1.4
110-82-7	Cyclohexane	ND		4.0	0.72
75-71-8	Dichlorodifluoromethane	ND		4.0	2.7

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

12DL

Lab Name: Eurofins Buffalo | Job No.: 480-224173-1

SDG No.:

Client Sample ID: MW-50-20241009-01 DL | Lab Sample ID: 480-224173-12 DL

Matrix: Water | Lab File ID: S3106.d

Analysis Method: 8260C | Date Collected: 10/09/2024 10:35

Sample wt/vol: 5(mL) | Date Analyzed: 10/18/2024 12:59

Soil Aliquot Vol: | Dilution Factor: 4

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Use original

Analysis Batch No.: 728780 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5973S

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		4.0	3.0
106-93-4	1,2-Dibromoethane	ND		4.0	2.9
98-82-8	Isopropylbenzene	ND		4.0	3.2
79-20-9	Methyl acetate	ND		10	5.2
1634-04-4	Methyl tert-butyl ether	ND		4.0	0.64
108-87-2	Methylcyclohexane	ND		4.0	0.64
75-09-2	Methylene Chloride	ND		4.0	1.8
100-42-5	Styrene	ND		4.0	2.9
127-18-4	Tetrachloroethene	ND		4.0	1.4
108-88-3	Toluene	ND		4.0	2.0
156-60-5	trans-1,2-Dichloroethene	ND		4.0	3.6
10061-02-6	trans-1,3-Dichloropropene	ND		4.0	1.5
79-01-6	Trichloroethene	ND		4.0	1.8
75-69-4	Trichlorofluoromethane	ND		4.0	3.5
75-01-4	Vinyl chloride	250		4.0	3.6
1330-20-7	Xylenes, Total	ND		8.0	2.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	98		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		77-120
460-00-4	4-Bromofluorobenzene (Surr)	95		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

13

Lab Name: Eurofins Buffalo | Job No.: 480-224173-1

SDG No.:

Client Sample ID: MW-47-20241009-01 | Lab Sample ID: 480-224173-13

Matrix: Water | Lab File ID: N0352.d

Analysis Method: 8260C | Date Collected: 10/09/2024 13:55

Sample wt/vol: 5(mL) | Date Analyzed: 10/10/2024 21:21

Soil Aliquot Vol: | Dilution Factor: 40

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 727735 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5973N

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		40	33
79-34-5	1,1,2,2-Tetrachloroethane	ND		40	8.4
79-00-5	1,1,2-Trichloroethane	ND		40	9.2
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		40	12
75-34-3	1,1-Dichloroethane	ND		40	15
75-35-4	1,1-Dichloroethene	ND		40	12
120-82-1	1,2,4-Trichlorobenzene	ND		40	16
96-12-8	1,2-Dibromo-3-Chloropropane	ND		40	16
95-50-1	1,2-Dichlorobenzene	ND		40	32
107-06-2	1,2-Dichloroethane	ND		40	8.4
78-87-5	1,2-Dichloropropane	ND		40	29
541-73-1	1,3-Dichlorobenzene	ND		40	31
106-46-7	1,4-Dichlorobenzene	ND		40	34
78-93-3	2-Butanone (MEK)	ND		400	53
591-78-6	2-Hexanone	ND		200	50
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		200	84
67-64-1	Acetone	ND		400	120
71-43-2	Benzene	ND		40	16
75-27-4	Dichlorobromomethane	ND		40	16
75-25-2	Bromoform	ND		40	10
74-83-9	Bromomethane	ND		40	28
75-15-0	Carbon disulfide	ND		40	7.6
56-23-5	Carbon tetrachloride	ND		40	11
108-90-7	Chlorobenzene	ND		40	30
124-48-1	Chlorodibromomethane	ND		40	13
75-00-3	Chloroethane	ND		40	13
67-66-3	Chloroform	ND		40	14
74-87-3	Chloromethane	ND		40	14
156-59-2	cis-1,2-Dichloroethene	820		40	32
10061-01-5	cis-1,3-Dichloropropene	ND		40	14
110-82-7	Cyclohexane	ND		40	7.2
75-71-8	Dichlorodifluoromethane	ND		40	27

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

13

Lab Name: Eurofins Buffalo Job No.: 480-224173-1

SDG No.:

Client Sample ID: MW-47-20241009-01 Lab Sample ID: 480-224173-13

Matrix: Water Lab File ID: N0352.d

Analysis Method: 8260C Date Collected: 10/09/2024 13:55

Sample wt/vol: 5(mL) Date Analyzed: 10/10/2024 21:21

Soil Aliquot Vol: Dilution Factor: 40

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

Purge Volume: 5.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 727735 Units: ug/L

Preparation Batch No.: Instrument ID: HP5973N

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		40	30
106-93-4	1,2-Dibromoethane	ND		40	29
98-82-8	Isopropylbenzene	ND		40	32
79-20-9	Methyl acetate	ND		100	52
1634-04-4	Methyl tert-butyl ether	ND		40	6.4
108-87-2	Methylcyclohexane	ND		40	6.4
75-09-2	Methylene Chloride	ND		40	18
100-42-5	Styrene	ND		40	29
127-18-4	Tetrachloroethene	ND		40	14
108-88-3	Toluene	ND		40	20
156-60-5	trans-1,2-Dichloroethene	ND		40	36
10061-02-6	trans-1,3-Dichloropropene	ND		40	15
79-01-6	Trichloroethene	ND		40	18
75-69-4	Trichlorofluoromethane	ND		40	35
75-01-4	Vinyl chloride	120		40	36
1330-20-7	Xylenes, Total	ND		80	26

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	89		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		77-120
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
1868-53-7	Dibromofluoromethane (Surr)	93		75-123

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

11

Lab Name: Eurofins Buffalo Job No.: 480-224173-1

SDG No.:

Client Sample ID: MW-49-20241009-01 Lab Sample ID: 480-224173-11

Matrix: Water Lab File ID: pe3_101_052.D

Analysis Method: RSK-175 Date Collected: 10/09/2024 09:00

Sample wt/vol: 17(mL) Date Analyzed: 10/14/2024 11:54

Soil Aliquot Vol: Dilution Factor: 22

Soil Extract Vol.: GC Column: Alumina ID: 0.53(mm)

Purge Volume: Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 728145 Units: ug/L

Preparation Batch No.: Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	8100		88	22
74-84-0	Ethane	250		170	33
74-85-1	Ethene	82	J	150	33

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

12

Lab Name: Eurofins Buffalo Job No.: 480-224173-1

SDG No.:

Client Sample ID: MW-50-20241009-01 Lab Sample ID: 480-224173-12

Matrix: Water Lab File ID: pe3_101_053.D

Analysis Method: RSK-175 Date Collected: 10/09/2024 10:35

Sample wt/vol: 17(mL) Date Analyzed: 10/14/2024 12:13

Soil Aliquot Vol: Dilution Factor: 22

Soil Extract Vol.: GC Column: Alumina ID: 0.53(mm)

Purge Volume: Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 728145 Units: ug/L

Preparation Batch No.: Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	3800		88	22
74-84-0	Ethane	88	J	170	33
74-85-1	Ethene	130	J	150	33

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

13

Lab Name: Eurofins Buffalo Job No.: 480-224173-1

SDG No.:

Client Sample ID: MW-47-20241009-01 Lab Sample ID: 480-224173-13

Matrix: Water Lab File ID: pe3_101_054.D

Analysis Method: RSK-175 Date Collected: 10/09/2024 13:55

Sample wt/vol: 17(mL) Date Analyzed: 10/14/2024 12:32

Soil Aliquot Vol: Dilution Factor: 22

Soil Extract Vol.: GC Column: Alumina ID: 0.53(mm)

Purge Volume: Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 728145 Units: ug/L

Preparation Batch No.: Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	280		88	22
74-84-0	Ethane	ND		170	33
74-85-1	Ethene	ND		150	33

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

11

Client Sample ID: MW-49-20241009-01 | Lab Sample ID: 480-224173-11

Lab Name: Eurofins Buffalo | Job No.: 480-224173-1

SDG ID.:

Matrix: Water | Date Sampled: 10/09/2024 09:00

Reporting Basis: WET | Date Received: 10/09/2024 18:22

Preparation Batch Number: 727858 | Instrument ID: ICAP4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	3.8	0.050	0.019	mg/L		^5-	1	6010D
7439-96-5	Manganese	0.17	0.0030	0.00040	mg/L			1	6010D

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

11D

Client Sample ID: MW-49-20241009-01
Lab Sample ID: 480-224173-11
Lab Name: Eurofins Buffalo
Job No.: 480-224173-1
SDG ID.:
Matrix: Water
Date Sampled: 10/09/2024 09:00
Reporting Basis: WET
Date Received: 10/09/2024 18:22
Preparation Batch Number: 727993
Instrument ID: ICAP4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron, Dissolved	0.90	0.050	0.019	mg/L			1	6010D
7439-96-5	Manganese, Dissolved	0.046	0.0030	0.00040	mg/L			1	6010D

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

12

Client Sample ID: MW-50-20241009-01 | Lab Sample ID: 480-224173-12

Lab Name: Eurofins Buffalo | Job No.: 480-224173-1

SDG ID.:

Matrix: Water | Date Sampled: 10/09/2024 10:35

Reporting Basis: WET | Date Received: 10/09/2024 18:22

Preparation Batch Number: 727858 | Instrument ID: ICAP4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	3.6	0.050	0.019	mg/L		~~5~~	1	6010D
7439-96-5	Manganese	0.13	0.0030	0.00040	mg/L			1	6010D

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

120

Client Sample ID: MW-50-20241009-01
Lab Sample ID: 480-224173-12
Lab Name: Eurofins Buffalo
Job No.: 480-224173-1
SDG ID.:
Matrix: Water
Date Sampled: 10/09/2024 10:35
Reporting Basis: WET
Date Received: 10/09/2024 18:22
Preparation Batch Number: 727993
Instrument ID: ICAP4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron, Dissolved	3.5	0.050	0.019	mg/L			1	6010D
7439-96-5	Manganese, Dissolved	0.12	0.0030	0.00040	mg/L			1	6010D

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

13

Client Sample ID: MW-47-20241009-01
Lab Sample ID: 480-224173-13
Lab Name: Eurofins Buffalo
Job No.: 480-224173-1
SDG ID.:
Matrix: Water
Date Sampled: 10/09/2024 13:55
Reporting Basis: WET
Date Received: 10/09/2024 18:22
Preparation Batch Number: 727858
Instrument ID: ICAP4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	6.5	0.050	0.019	mg/L		~~5~~	1	6010D
7439-96-5	Manganese	0.22	0.0030	0.00040	mg/L			1	6010D

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

13D

Client Sample ID: MW-47-20241009-01
Lab Sample ID: 480-224173-13
Lab Name: Eurofins Buffalo
Job No.: 480-224173-1
SDG ID.:
Matrix: Water
Date Sampled: 10/09/2024 13:55
Reporting Basis: WET
Date Received: 10/09/2024 18:22
Preparation Batch Number: 727993
Instrument ID: ICAP4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron, Dissolved	7.7	0.050	0.019	mg/L			1	6010D
7439-96-5	Manganese, Dissolved	0.30	0.0030	0.00040	mg/L			1	6010D

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

11

Client Sample ID: MW-49-20241009-01
Lab Sample ID: 480-224173-11
Lab Name: Eurofins Buffalo
Job No.: 480-224173-1
SDG ID.:
Matrix: Water
Date Sampled: 10/09/2024 09:00
Reporting Basis: WET
Date Received: 10/09/2024 18:22
Preparation Batch Number:
Instrument ID: NOEQUIP

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
18496-25-8	Sulfide	ND	1.0	0.67	mg/L			1	SM 4500 S2 F
14797-55-8	Nitrate as N	ND	0.050	0.020	mg/L			1	353.2
14808-79-8	Sulfate	17.3	5.0	1.5	mg/L			1	D516-90, 02
	Alkalinity	561	5.0	0.79	mg/L			1	SM 2320B
16887-00-6	Chloride	21.2	1.0	0.46	mg/L			1	SM 4500 Cl- E
7440-44-0	Total Organic Carbon	8.6	1.0	0.43	mg/L		B	1	SM 5310C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

12

Client Sample ID: MW-50-20241009-01 | Lab Sample ID: 480-224173-12

Lab Name: Eurofins Buffalo | Job No.: 480-224173-1

SDG ID.:

Matrix: Water | Date Sampled: 10/09/2024 10:35

Reporting Basis: WET | Date Received: 10/09/2024 18:22

Preparation Batch Number: | Instrument ID: NOEQUIP

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
18496-25-8	Sulfide	ND	1.0	0.67	mg/L			1	SM 4500 S2 F
14797-55-8	Nitrate as N	ND	0.050	0.020	mg/L			1	353.2
14808-79-8	Sulfate	35.0	25.0	7.5	mg/L			5	D516-90, 02
	Alkalinity	504	5.0	0.79	mg/L			1	SM 2320B
16887-00-6	Chloride	24.2	1.0	0.46	mg/L			1	SM 4500 Cl- E
7440-44-0	Total Organic Carbon	9.1	1.0	0.43	mg/L		B	1	SM 5310C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

13

Client Sample ID: MW-47-20241009-01
Lab Sample ID: 480-224173-13
Lab Name: Eurofins Buffalo
Job No.: 480-224173-1
SDG ID.:
Matrix: Water
Date Sampled: 10/09/2024 13:55
Reporting Basis: WET
Date Received: 10/09/2024 18:22
Preparation Batch Number:
Instrument ID: NOEQUIP

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
18496-25-8	Sulfide	ND	1.0	0.67	mg/L			1	SM 4500 S2 F
14797-55-8	Nitrate as N	0.022	0.050	0.020	mg/L	J		1	353.2
14808-79-8	Sulfate	119	25.0	7.5	mg/L			5	D516-90, 02
	Alkalinity	615	5.0	0.79	mg/L			1	SM 2320B
16887-00-6	Chloride	12.0	1.0	0.46	mg/L			1	SM 4500 Cl- E
7440-44-0	Total Organic Carbon	4.9	1.0	0.43	mg/L		B	1	SM 5310C

ENVIRONMENTAL
Data Services, Inc.

DATA USABILITY SUMMARY REPORT
FORMER LEICA SITE, CHEEKTOWAGA, NEW YORK

Client: Environmental Resources Management, Inc., Syracuse, New York
SDG: 480-224236-1
Laboratory: Eurofins, Buffalo, New York
Site: Former Leica, Inc. Site, Cheektowaga, NY
Date: December 3, 2024

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1*	TB-04-20241010-01	480-224236-1	Water
2	MW-48-20241010-01	480-224236-2	Water
3	MW-14-20241010-01	480-224236-3	Water
4	MW-52-20241010-01	480-224236-4	Water
5	MW-53-20241010-01	480-224236-5	Water
6	MW-54-20241010-01	480-224236-6	Water
7	MW-51-20241010-01	480-224236-7	Water
7MS^	MW-51-20241010-01MS	480-224236-7MS	Water
7MSD^	MW-51-20241010-01MSD	480-224236-7MSD	Water
8*	MW-7-20241010-01	480-224236-8	Water

* - VOC only ^ - Sulfate & Chloride only

A Data Usability Summary Review was performed on the analytical data for seven water samples and one aqueous trip blank sample collected on October 10, 2024 by ERM at the Former Leica Site in Cheektowaga, New York. The samples were analyzed under Environmental Protection Agency (USEPA) Test Methods for the Evaluation of Solid Waste, USEPA SW-846, Third Edition, September 1986, with revisions, the Method for Analysis of Dissolved Gas in Water, the Methods for Chemical Analysis of Water and Wastes, the ASTM Standard Test Method for Sulfate Ion in Water, and the Standard Methods for Examination of Water and Wastewater.

Specific method references are as follows:

Analysis	*Method References*
VOC	USEPA SW-846 Method 8260C
MEE	USEPA Method RSK175
Metals (Fe/Mn) (T/D)	USEPA SW-846 Method 6010D
Nitrate	USEPA Method 353.2
Sulfate	ASTM Method D516-90, 02
Alkalinity	Standard Method SM2320B
Chloride	Standard Method SM4500 Cl E
Sulfide	Standard Method SM4500 S2 F
TOC	Standard Method SM5310C

The data have been validated according to the protocols and quality control (QC) requirements of the analytical methods and the USEPA Region II Data Review Standard Operating Procedures (SOPs) as follows:

- SOP Number QA-HWSS-A-004, March 2022, Standard Operating Procedure for the Validation of Volatile Data;
- SOP Number QA-HWSS-A-010, March 2022, Standard Operating Procedure for ICP-AES Data Validation;
- SOP Number QA-HWSS-A-012, March 2022, Standard Operating Procedure for Validation of Cyanide Data;
- and the reviewer's professional judgment.

The following items/criteria were reviewed for this report:

Organics

- Data Completeness
- Holding times and sample preservation
- Gas Chromatography (GC)/Mass Spectroscopy (MS) tuning
- Liquid Chromatography (LC)/Mass Spectroscopy (MS) tuning
- Initial and continuing calibration summaries
- Method blank and field blank contamination
- Surrogate Spike recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries
- Laboratory Control Sample (LCS) recoveries
- Compound Quantitation
- Internal standard area and retention time summary forms
- Method blank and field blank contamination
- Tentatively Identified Compounds (TICs)
- Field Duplicate sample precision

Inorganics

- Data Completeness
- Holding times and sample preservation
- Initial and continuing calibration verifications
- Method blank and field blank contamination
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries
- Duplicate Sample Analysis recoveries
- Laboratory Control Sample (LCS) recoveries
- ICP Serial Dilution
- Compound Quantitation
- Field Duplicate sample precision

Data Usability Assessment

There were no rejections of data.

The data are acceptable for the intended purposes as qualified for the deficiencies detailed in this report.

Please note that any results qualified (U) due to blank contamination may be then qualified (J) due to another action. Therefore, the results may be qualified (UJ) due to the culmination of the blank contaminations and actions from other exceedances of QC criteria.

Data Completeness

- The data is a complete Category B data package as defined under the requirements for the NYS Department of Environmental Conservation Analytical Services Protocol.

Volatile Organic Compounds (VOCs)

Holding Times

- All samples were analyzed within 14 days for preserved water samples.

GC/MS Tuning

- All criteria were met.

Initial Calibration

- The initial calibrations exhibited acceptable %RSD and/or correlation coefficients and mean RRF values.

Continuing Calibration

- The following table presents compounds that exceeded percent difference (%D) criteria and/or RRF values <0.05 in the continuing calibration (CCAL). A low RRF indicates poor instrument sensitivity for these compounds. Positive results for these compounds in the affected samples are considered estimated and qualified (J). Non-detect results for these compounds in the affected samples are rejected (R) and are unusable for project objectives. A high %D may indicate a potential high or low bias. All results for these compounds in affected samples are considered estimated and qualified (J/UJ).

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
10/11/24 (1037)	Trichlorofluoromethane	32.5%	UJ	All Samples

Method Blank

- The method blanks were free of contamination.

Field Blank

- The following table lists field blanks with contamination and the samples associated with the blanks that had results qualified as a consequence of the blank contamination. Detected sample concentrations of methylene chloride, 2-butanone, toluene or acetone (common laboratory contaminants) less than ten times (10x) the highest associated blank (after taking sample dilution levels, percent moisture and sample volume into account) are negated and qualified with a (U). For all other compounds, an action level of five times (5x) the highest associated blank concentration is used.

Sample ID	Compound	Conc. ug/L	Qualifier	Affected Samples
TB-04-20241010-01	None - ND	-	-	-

Surrogate Spike Recoveries

- All samples exhibited acceptable surrogate percent recoveries (%R).

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- MS/MSD samples were not analyzed.

Laboratory Control Samples

- The LCS samples exhibited acceptable percent recoveries (%R).

Internal Standard (IS) Area Performance

- All internal standards met response and retention time (RT) criteria.

Compound Quantitation

- Several samples were analyzed at various dilutions due to high concentrations of target compounds. The reporting limits were adjusted accordingly. No action was required.

Tentatively Identified Compounds (TICs)

- TICs were not reported.

Field Duplicate Sample Precision

- Field duplicate samples were not collected.

Dissolved Gas (MEE)

Holding Times

- All samples were analyzed within 7 days for unpreserved and 14 days for preserved water samples.

Initial Calibration

- The initial calibrations exhibited acceptable %RSD and/or correlation coefficients.

Continuing Calibration

- The continuing calibrations exhibited acceptable percent differences (%D).

Method Blank

- The method blanks were free of contamination.

Field Blank

- Field blank samples were not collected.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- MS/MSD samples were not analyzed.

Laboratory Control Samples (LCS)

- The LCS samples exhibited acceptable percent recoveries (%R).

Compound Quantitation

- Several samples were analyzed at various dilutions due to high concentrations of target compounds. The reporting limits were adjusted accordingly. No action was required.

Field Duplicate Sample Precision

- Field duplicate samples were not collected.

Metals (Fe/Mn) (Total & Dissolved)

Holding Times

- All samples were prepared and analyzed within 180 days.

Initial Calibration Verification

- All initial calibration criteria were met.

Continuing Calibration Verification

- All continuing calibration criteria were met.

Method Blank

- The following table lists method blanks with contamination and the samples associated with the blanks that had results qualified as a consequence of the blank contamination. Detected sample concentrations less than ten times (10x) the highest associated blank (after taking sample dilution levels, percent moisture and sample volume into account) are negated and qualified with a (U).

Total Metals				
Sample ID	Compound	Conc. mg/L	Qualifier	Affected Samples
480-727953/1-A	Manganese	0.000572	None	All Associated >10X
	Iron	0.0414		

Dissolved Metals				
Sample ID	Compound	Conc. mg/L	Qualifier	Affected Samples
MB 480-727954/1-A	Manganese	0.000566	None	All Associated >10X

Field Blank

- Field blank samples were not collected.

Matrix Spike (MS) Recoveries

- MS/MSD samples were not analyzed.

Duplicate Sample Analysis

- A duplicate sample was not analyzed.

Laboratory Control Samples

- The LCS samples exhibited acceptable percent recoveries (%R).

ICP Serial Dilution

- ICP serial dilution samples were not analyzed.

Compound Quantitation

- All criteria were met.

Field Duplicate Sample Precision

- Field duplicate samples were not collected.

Nitrate, Sulfate, Alkalinity, Chloride, Sulfide, TOC

Holding Times

- All samples were prepared and analyzed the recommended holding time.

Initial Calibration Verification

- All initial calibration criteria were met.

Continuing Calibration Verification

- All continuing calibration criteria were met.

Method Blank

- The following table lists method blanks with contamination and the samples associated with the blanks that had results qualified as a consequence of the blank contamination. Detected sample concentrations less than ten times (10x) the highest associated blank (after taking sample dilution levels, percent moisture and sample volume into account) are negated and qualified with a (U).

Sample ID	Compound	Conc. mg/L	Qualifier	Affected Samples
480-728356/76	Alkalinity	3.20	None	All Associated >5X

Field Blank

- Field blank samples were not collected.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- The following table presents MS/MSD samples that exhibited percent recoveries (%R) outside the QC limits and/or relative percent differences (RPD) above QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J). Results are valid and usable, however possibly biased.

Sample ID	Compound	MS %R/MSD %R/RPD	Qualifier
7	Sulfate	131%/OK/OK	None - 4X Rule Applies

Duplicate Sample Analysis

- A duplicate sample was not collected.

Laboratory Control Samples

- The LCS samples exhibited acceptable percent recoveries (%R).

Compound Quantitation

- All samples were analyzed at a 5X dilution due to high concentrations of sulfate. The reporting limits were adjusted accordingly. No action was required.

Field Duplicate Sample Precision

- Field duplicate samples were not collected.

Please contact the undersigned at (561) 475-2000 if you have any questions or need further information.

Signed: Nancy Weaver Dated: 12/4/24

Nancy Weaver
Senior Chemist

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
NJ	The analysis has been "tentatively identified" or "presumptively" as present and the associated numerical value is the estimated concentration in the samples.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limits is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-224236-1

SDG No.:

Client Sample ID: TB-04-20241010-01 | Lab Sample ID: 480-224236-1

Matrix: Water | Lab File ID: L9409.D

Analysis Method: 8260C | Date Collected: 10/10/2024 07:00

Sample wt/vol: 5(mL) | Date Analyzed: 10/11/2024 14:42

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) VOA ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 727918 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5977L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

1

Lab Name: Eurofins Buffalo | Job No.: 480-224236-1

SDG No.:

Client Sample ID: TB-04-20241010-01 | Lab Sample ID: 480-224236-1

Matrix: Water | Lab File ID: L9409.D

Analysis Method: 8260C | Date Collected: 10/10/2024 07:00

Sample wt/vol: 5(mL) | Date Analyzed: 10/11/2024 14:42

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) VOA ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 727918 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5977L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND	UJ	1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		77-120
460-00-4	4-Bromofluorobenzene (Surr)	107		73-120
1868-53-7	Dibromofluoromethane (Surr)	108		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

2

Lab Name: Eurofins Buffalo | Job No.: 480-224236-1

SDG No.:

Client Sample ID: MW-48-20241010-01 | Lab Sample ID: 480-224236-2

Matrix: Water | Lab File ID: L9410.D

Analysis Method: 8260C | Date Collected: 10/10/2024 07:50

Sample wt/vol: 5(mL) | Date Analyzed: 10/11/2024 15:06

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) VOA ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 727918 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5977L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	45		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

2

Lab Name: Eurofins Buffalo | Job No.: 480-224236-1

SDG No.:

Client Sample ID: MW-48-20241010-01 | Lab Sample ID: 480-224236-2

Matrix: Water | Lab File ID: L9410.D

Analysis Method: 8260C | Date Collected: 10/10/2024 07:50

Sample wt/vol: 5(mL) | Date Analyzed: 10/11/2024 15:06

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) VOA ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 727918 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5977L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	1.9		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	5.4		1.0	0.46
75-69-4	Trichlorofluoromethane	ND	UJ	1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		77-120
460-00-4	4-Bromofluorobenzene (Surr)	105		73-120
1868-53-7	Dibromofluoromethane (Surr)	105		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

3

Lab Name: Eurofins Buffalo | Job No.: 480-224236-1

SDG No.:

Client Sample ID: MW-14-20241010-01 | Lab Sample ID: 480-224236-3

Matrix: Water | Lab File ID: L9411.D

Analysis Method: 8260C | Date Collected: 10/10/2024 07:50

Sample wt/vol: 5(mL) | Date Analyzed: 10/11/2024 15:31

Soil Aliquot Vol: | Dilution Factor: 4

Soil Extract Vol.: | GC Column: ZB-624 (30) VOA ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 727918 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5977L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		4.0	3.3
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.0	0.84
79-00-5	1,1,2-Trichloroethane	ND		4.0	0.92
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2
75-34-3	1,1-Dichloroethane	ND		4.0	1.5
75-35-4	1,1-Dichloroethene	ND		4.0	1.2
120-82-1	1,2,4-Trichlorobenzene	ND		4.0	1.6
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.0	1.6
95-50-1	1,2-Dichlorobenzene	ND		4.0	3.2
107-06-2	1,2-Dichloroethane	ND		4.0	0.84
78-87-5	1,2-Dichloropropane	ND		4.0	2.9
541-73-1	1,3-Dichlorobenzene	ND		4.0	3.1
106-46-7	1,4-Dichlorobenzene	ND		4.0	3.4
78-93-3	2-Butanone (MEK)	ND		40	5.3
591-78-6	2-Hexanone	ND		20	5.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		20	8.4
67-64-1	Acetone	ND		40	12
71-43-2	Benzene	ND		4.0	1.6
75-27-4	Dichlorobromomethane	ND		4.0	1.6
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		4.0	2.8
75-15-0	Carbon disulfide	ND		4.0	0.76
56-23-5	Carbon tetrachloride	ND		4.0	1.1
108-90-7	Chlorobenzene	ND		4.0	3.0
124-48-1	Chlorodibromomethane	ND		4.0	1.3
75-00-3	Chloroethane	ND		4.0	1.3
67-66-3	Chloroform	ND		4.0	1.4
74-87-3	Chloromethane	ND		4.0	1.4
156-59-2	cis-1,2-Dichloroethene	190		4.0	3.2
10061-01-5	cis-1,3-Dichloropropene	ND		4.0	1.4
110-82-7	Cyclohexane	ND		4.0	0.72
75-71-8	Dichlorodifluoromethane	ND		4.0	2.7

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

3

Lab Name: Eurofins Buffalo | Job No.: 480-224236-1

SDG No.:

Client Sample ID: MW-14-20241010-01 | Lab Sample ID: 480-224236-3

Matrix: Water | Lab File ID: L9411.D

Analysis Method: 8260C | Date Collected: 10/10/2024 07:50

Sample wt/vol: 5(mL) | Date Analyzed: 10/11/2024 15:31

Soil Aliquot Vol: | Dilution Factor: 4

Soil Extract Vol.: | GC Column: ZB-624 (30) VOA ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 727918 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5977L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		4.0	3.0
106-93-4	1,2-Dibromoethane	ND		4.0	2.9
98-82-8	Isopropylbenzene	ND		4.0	3.2
79-20-9	Methyl acetate	ND		10	5.2
1634-04-4	Methyl tert-butyl ether	ND		4.0	0.64
108-87-2	Methylcyclohexane	ND		4.0	0.64
75-09-2	Methylene Chloride	ND		4.0	1.8
100-42-5	Styrene	ND		4.0	2.9
127-18-4	Tetrachloroethene	ND		4.0	1.4
108-88-3	Toluene	ND		4.0	2.0
156-60-5	trans-1,2-Dichloroethene	ND		4.0	3.6
10061-02-6	trans-1,3-Dichloropropene	ND		4.0	1.5
79-01-6	Trichloroethene	ND		4.0	1.8
75-69-4	Trichlorofluoromethane	ND	UJ	4.0	3.5
75-01-4	Vinyl chloride	130		4.0	3.6
1330-20-7	Xylenes, Total	ND		8.0	2.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	101		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		77-120
460-00-4	4-Bromofluorobenzene (Surr)	108		73-120
1868-53-7	Dibromofluoromethane (Surr)	109		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

4

Lab Name: Eurofins Buffalo Job No.: 480-224236-1

SDG No.:

Client Sample ID: MW-52-20241010-01 Lab Sample ID: 480-224236-4

Matrix: Water Lab File ID: L9412.D

Analysis Method: 8260C Date Collected: 10/10/2024 08:30

Sample wt/vol: 5(mL) Date Analyzed: 10/11/2024 15:55

Soil Aliquot Vol: Dilution Factor: 20

Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)

Purge Volume: 5.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 727918 Units: ug/L

Preparation Batch No.: Instrument ID: HP5977L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		20	16
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	4.2
79-00-5	1,1,2-Trichloroethane	ND		20	4.6
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2
75-34-3	1,1-Dichloroethane	ND		20	7.6
75-35-4	1,1-Dichloroethene	ND		20	5.8
120-82-1	1,2,4-Trichlorobenzene	ND		20	8.2
96-12-8	1,2-Dibromo-3-Chloropropane	ND		20	7.8
95-50-1	1,2-Dichlorobenzene	ND		20	16
107-06-2	1,2-Dichloroethane	ND		20	4.2
78-87-5	1,2-Dichloropropane	ND		20	14
541-73-1	1,3-Dichlorobenzene	ND		20	16
106-46-7	1,4-Dichlorobenzene	ND		20	17
78-93-3	2-Butanone (MEK)	ND		200	26
591-78-6	2-Hexanone	ND		100	25
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		100	42
67-64-1	Acetone	ND		200	60
71-43-2	Benzene	ND		20	8.2
75-27-4	Dichlorobromomethane	ND		20	7.8
75-25-2	Bromoform	ND		20	5.2
74-83-9	Bromomethane	ND		20	14
75-15-0	Carbon disulfide	ND		20	3.8
56-23-5	Carbon tetrachloride	ND		20	5.4
108-90-7	Chlorobenzene	ND		20	15
124-48-1	Chlorodibromomethane	ND		20	6.4
75-00-3	Chloroethane	ND		20	6.4
67-66-3	Chloroform	ND		20	6.8
74-87-3	Chloromethane	ND		20	7.0
156-59-2	cis-1,2-Dichloroethene	1400		20	16
10061-01-5	cis-1,3-Dichloropropene	ND		20	7.2
110-82-7	Cyclohexane	ND		20	3.6
75-71-8	Dichlorodifluoromethane	ND		20	14

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

4

Lab Name: Eurofins Buffalo | Job No.: 480-224236-1

SDG No.:

Client Sample ID: MW-52-20241010-01 | Lab Sample ID: 480-224236-4

Matrix: Water | Lab File ID: L9412.D

Analysis Method: 8260C | Date Collected: 10/10/2024 08:30

Sample wt/vol: 5(mL) | Date Analyzed: 10/11/2024 15:55

Soil Aliquot Vol: | Dilution Factor: 20

Soil Extract Vol.: | GC Column: ZB-624 (30) VOA ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 727918 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5977L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		20	15
106-93-4	1,2-Dibromoethane	ND		20	15
98-82-8	Isopropylbenzene	ND		20	16
79-20-9	Methyl acetate	ND		50	26
1634-04-4	Methyl tert-butyl ether	ND		20	3.2
108-87-2	Methylcyclohexane	ND		20	3.2
75-09-2	Methylene Chloride	ND		20	8.8
100-42-5	Styrene	ND		20	15
127-18-4	Tetrachloroethene	ND		20	7.2
108-88-3	Toluene	ND		20	10
156-60-5	trans-1,2-Dichloroethene	ND		20	18
10061-02-6	trans-1,3-Dichloropropene	ND		20	7.4
79-01-6	Trichloroethene	290		20	9.2
75-69-4	Trichlorofluoromethane	ND	UJ	20	18
75-01-4	Vinyl chloride	77		20	18
1330-20-7	Xylenes, Total	ND		40	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	101		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		77-120
460-00-4	4-Bromofluorobenzene (Surr)	105		73-120
1868-53-7	Dibromofluoromethane (Surr)	108		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

5

Lab Name: Eurofins Buffalo | Job No.: 480-224236-1

SDG No.:

Client Sample ID: MW-53-20241010-01 | Lab Sample ID: 480-224236-5

Matrix: Water | Lab File ID: L9413.D

Analysis Method: 8260C | Date Collected: 10/10/2024 09:10

Sample wt/vol: 5(mL) | Date Analyzed: 10/11/2024 16:20

Soil Aliquot Vol: | Dilution Factor: 8

Soil Extract Vol.: | GC Column: ZB-624 (30) VOA ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 727918 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5977L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		8.0	6.6
79-34-5	1,1,2,2-Tetrachloroethane	ND		8.0	1.7
79-00-5	1,1,2-Trichloroethane	ND		8.0	1.8
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.0	2.5
75-34-3	1,1-Dichloroethane	ND		8.0	3.0
75-35-4	1,1-Dichloroethene	ND		8.0	2.3
120-82-1	1,2,4-Trichlorobenzene	ND		8.0	3.3
96-12-8	1,2-Dibromo-3-Chloropropane	ND		8.0	3.1
95-50-1	1,2-Dichlorobenzene	ND		8.0	6.3
107-06-2	1,2-Dichloroethane	ND		8.0	1.7
78-87-5	1,2-Dichloropropane	ND		8.0	5.8
541-73-1	1,3-Dichlorobenzene	ND		8.0	6.2
106-46-7	1,4-Dichlorobenzene	ND		8.0	6.7
78-93-3	2-Butanone (MEK)	ND		80	11
591-78-6	2-Hexanone	ND		40	9.9
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		40	17
67-64-1	Acetone	ND		80	24
71-43-2	Benzene	ND		8.0	3.3
75-27-4	Dichlorobromomethane	ND		8.0	3.1
75-25-2	Bromoform	ND		8.0	2.1
74-83-9	Bromomethane	ND		8.0	5.5
75-15-0	Carbon disulfide	ND		8.0	1.5
56-23-5	Carbon tetrachloride	ND		8.0	2.2
108-90-7	Chlorobenzene	ND		8.0	6.0
124-48-1	Chlorodibromomethane	ND		8.0	2.6
75-00-3	Chloroethane	ND		8.0	2.6
67-66-3	Chloroform	ND		8.0	2.7
74-87-3	Chloromethane	ND		8.0	2.8
156-59-2	cis-1,2-Dichloroethene	770		8.0	6.5
10061-01-5	cis-1,3-Dichloropropene	ND		8.0	2.9
110-82-7	Cyclohexane	ND		8.0	1.4
75-71-8	Dichlorodifluoromethane	ND		8.0	5.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

5

Lab Name: Eurofins Buffalo | Job No.: 480-224236-1

SDG No.:

Client Sample ID: MW-53-20241010-01 | Lab Sample ID: 480-224236-5

Matrix: Water | Lab File ID: L9413.D

Analysis Method: 8260C | Date Collected: 10/10/2024 09:10

Sample wt/vol: 5(mL) | Date Analyzed: 10/11/2024 16:20

Soil Aliquot Vol: | Dilution Factor: 8

Soil Extract Vol.: | GC Column: ZB-624 (30) VOA ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 727918 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5977L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		8.0	5.9
106-93-4	1,2-Dibromoethane	ND		8.0	5.8
98-82-8	Isopropylbenzene	ND		8.0	6.3
79-20-9	Methyl acetate	ND		20	10
1634-04-4	Methyl tert-butyl ether	ND		8.0	1.3
108-87-2	Methylcyclohexane	ND		8.0	1.3
75-09-2	Methylene Chloride	ND		8.0	3.5
100-42-5	Styrene	ND		8.0	5.8
127-18-4	Tetrachloroethene	ND		8.0	2.9
108-88-3	Toluene	ND		8.0	4.1
156-60-5	trans-1,2-Dichloroethene	ND		8.0	7.2
10061-02-6	trans-1,3-Dichloropropene	ND		8.0	3.0
79-01-6	Trichloroethene	ND		8.0	3.7
75-69-4	Trichlorofluoromethane	ND	UJ	8.0	7.0
75-01-4	Vinyl chloride	42		8.0	7.2
1330-20-7	Xylenes, Total	ND		16	5.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	101		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		77-120
460-00-4	4-Bromofluorobenzene (Surr)	106		73-120
1868-53-7	Dibromofluoromethane (Surr)	110		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

6

Lab Name: Eurofins Buffalo | Job No.: 480-224236-1

SDG No.:

Client Sample ID: MW-54-20241010-01 | Lab Sample ID: 480-224236-6

Matrix: Water | Lab File ID: L9414.D

Analysis Method: 8260C | Date Collected: 10/10/2024 09:00

Sample wt/vol: 5(mL) | Date Analyzed: 10/11/2024 16:44

Soil Aliquot Vol: | Dilution Factor: 4

Soil Extract Vol.: | GC Column: ZB-624 (30) VOA ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 727918 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5977L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		4.0	3.3
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.0	0.84
79-00-5	1,1,2-Trichloroethane	ND		4.0	0.92
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2
75-34-3	1,1-Dichloroethane	2.2	J	4.0	1.5
75-35-4	1,1-Dichloroethene	ND		4.0	1.2
120-82-1	1,2,4-Trichlorobenzene	ND		4.0	1.6
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.0	1.6
95-50-1	1,2-Dichlorobenzene	ND		4.0	3.2
107-06-2	1,2-Dichloroethane	ND		4.0	0.84
78-87-5	1,2-Dichloropropane	ND		4.0	2.9
541-73-1	1,3-Dichlorobenzene	ND		4.0	3.1
106-46-7	1,4-Dichlorobenzene	ND		4.0	3.4
78-93-3	2-Butanone (MEK)	ND		40	5.3
591-78-6	2-Hexanone	ND		20	5.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		20	8.4
67-64-1	Acetone	ND		40	12
71-43-2	Benzene	ND		4.0	1.6
75-27-4	Dichlorobromomethane	ND		4.0	1.6
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		4.0	2.8
75-15-0	Carbon disulfide	ND		4.0	0.76
56-23-5	Carbon tetrachloride	ND		4.0	1.1
108-90-7	Chlorobenzene	ND		4.0	3.0
124-48-1	Chlorodibromomethane	ND		4.0	1.3
75-00-3	Chloroethane	ND		4.0	1.3
67-66-3	Chloroform	ND		4.0	1.4
74-87-3	Chloromethane	ND		4.0	1.4
156-59-2	cis-1,2-Dichloroethene	25		4.0	3.2
10061-01-5	cis-1,3-Dichloropropene	ND		4.0	1.4
110-82-7	Cyclohexane	ND		4.0	0.72
75-71-8	Dichlorodifluoromethane	ND		4.0	2.7

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

6

Lab Name: Eurofins Buffalo | Job No.: 480-224236-1

SDG No.:

Client Sample ID: MW-54-20241010-01 | Lab Sample ID: 480-224236-6

Matrix: Water | Lab File ID: L9414.D

Analysis Method: 8260C | Date Collected: 10/10/2024 09:00

Sample wt/vol: 5(mL) | Date Analyzed: 10/11/2024 16:44

Soil Aliquot Vol: | Dilution Factor: 4

Soil Extract Vol.: | GC Column: ZB-624 (30) VOA ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 727918 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5977L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		4.0	3.0
106-93-4	1,2-Dibromoethane	ND		4.0	2.9
98-82-8	Isopropylbenzene	ND		4.0	3.2
79-20-9	Methyl acetate	ND		10	5.2
1634-04-4	Methyl tert-butyl ether	ND		4.0	0.64
108-87-2	Methylcyclohexane	ND		4.0	0.64
75-09-2	Methylene Chloride	ND		4.0	1.8
100-42-5	Styrene	ND		4.0	2.9
127-18-4	Tetrachloroethene	ND		4.0	1.4
108-88-3	Toluene	ND		4.0	2.0
156-60-5	trans-1,2-Dichloroethene	ND		4.0	3.6
10061-02-6	trans-1,3-Dichloropropene	ND		4.0	1.5
79-01-6	Trichloroethene	ND		4.0	1.8
75-69-4	Trichlorofluoromethane	ND	UJ	4.0	3.5
75-01-4	Vinyl chloride	21		4.0	3.6
1330-20-7	Xylenes, Total	ND		8.0	2.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		77-120
460-00-4	4-Bromofluorobenzene (Surr)	106		73-120
1868-53-7	Dibromofluoromethane (Surr)	112		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-224236-1

SDG No.:

Client Sample ID: MW-51-20241010-01 | Lab Sample ID: 480-224236-7

Matrix: Water | Lab File ID: L9415.D

Analysis Method: 8260C | Date Collected: 10/10/2024 09:50

Sample wt/vol: 5(mL) | Date Analyzed: 10/11/2024 17:09

Soil Aliquot Vol: | Dilution Factor: 50

Soil Extract Vol.: | GC Column: ZB-624 (30) VOA ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 727918 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5977L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		50	41
79-34-5	1,1,2,2-Tetrachloroethane	ND		50	11
79-00-5	1,1,2-Trichloroethane	ND		50	12
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	16
75-34-3	1,1-Dichloroethane	ND		50	19
75-35-4	1,1-Dichloroethene	ND		50	15
120-82-1	1,2,4-Trichlorobenzene	ND		50	21
96-12-8	1,2-Dibromo-3-Chloropropane	ND		50	20
95-50-1	1,2-Dichlorobenzene	ND		50	40
107-06-2	1,2-Dichloroethane	ND		50	11
78-87-5	1,2-Dichloropropane	ND		50	36
541-73-1	1,3-Dichlorobenzene	ND		50	39
106-46-7	1,4-Dichlorobenzene	ND		50	42
78-93-3	2-Butanone (MEK)	ND		500	66
591-78-6	2-Hexanone	ND		250	62
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		250	110
67-64-1	Acetone	ND		500	150
71-43-2	Benzene	ND		50	21
75-27-4	Dichlorobromomethane	ND		50	20
75-25-2	Bromoform	ND		50	13
74-83-9	Bromomethane	ND		50	35
75-15-0	Carbon disulfide	ND		50	9.5
56-23-5	Carbon tetrachloride	ND		50	14
108-90-7	Chlorobenzene	ND		50	38
124-48-1	Chlorodibromomethane	ND		50	16
75-00-3	Chloroethane	ND		50	16
67-66-3	Chloroform	ND		50	17
74-87-3	Chloromethane	ND		50	18
156-59-2	cis-1,2-Dichloroethene	3700		50	41
10061-01-5	cis-1,3-Dichloropropene	ND		50	18
110-82-7	Cyclohexane	ND		50	9.0
75-71-8	Dichlorodifluoromethane	ND		50	34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

7

Lab Name: Eurofins Buffalo Job No.: 480-224236-1

SDG No.:

Client Sample ID: MW-51-20241010-01 Lab Sample ID: 480-224236-7

Matrix: Water Lab File ID: L9415.D

Analysis Method: 8260C Date Collected: 10/10/2024 09:50

Sample wt/vol: 5(mL) Date Analyzed: 10/11/2024 17:09

Soil Aliquot Vol: Dilution Factor: 50

Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)

Purge Volume: 5.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 727918 Units: ug/L

Preparation Batch No.: Instrument ID: HP5977L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		50	37
106-93-4	1,2-Dibromoethane	ND		50	37
98-82-8	Isopropylbenzene	ND		50	40
79-20-9	Methyl acetate	ND		130	65
1634-04-4	Methyl tert-butyl ether	ND		50	8.0
108-87-2	Methylcyclohexane	ND		50	8.0
75-09-2	Methylene Chloride	ND		50	22
100-42-5	Styrene	ND		50	37
127-18-4	Tetrachloroethene	ND		50	18
108-88-3	Toluene	ND		50	26
156-60-5	trans-1,2-Dichloroethene	ND		50	45
10061-02-6	trans-1,3-Dichloropropene	ND		50	19
79-01-6	Trichloroethene	ND		50	23
75-69-4	Trichlorofluoromethane	ND	UJ	50	44
75-01-4	Vinyl chloride	100		50	45
1330-20-7	Xylenes, Total	ND		100	33

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		77-120
460-00-4	4-Bromofluorobenzene (Surr)	105		73-120
1868-53-7	Dibromofluoromethane (Surr)	107		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

8

Lab Name: Eurofins Buffalo | Job No.: 480-224236-1

SDG No.:

Client Sample ID: MW-7-20241010-01 | Lab Sample ID: 480-224236-8

Matrix: Water | Lab File ID: L9416.D

Analysis Method: 8260C | Date Collected: 10/10/2024 12:50

Sample wt/vol: 5(mL) | Date Analyzed: 10/11/2024 17:34

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) VOA ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 727918 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5977L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	3.8	J	10	3.0
71-43-2	Benzene	0.75	J	1.0	0.41
75-27-4	Dichlorobromomethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Chlorodibromomethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

8

Lab Name: Eurofins Buffalo | Job No.: 480-224236-1

SDG No.:

Client Sample ID: MW-7-20241010-01 | Lab Sample ID: 480-224236-8

Matrix: Water | Lab File ID: L9416.D

Analysis Method: 8260C | Date Collected: 10/10/2024 12:50

Sample wt/vol: 5(mL) | Date Analyzed: 10/11/2024 17:34

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) VOA ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 727918 | Units: ug/L

Preparation Batch No.: | Instrument ID: HP5977L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND	UJ	1.0	0.88
75-01-4	Vinyl chloride	8.5		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		77-120
460-00-4	4-Bromofluorobenzene (Surr)	106		73-120
1868-53-7	Dibromofluoromethane (Surr)	110		75-123

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

2

Lab Name: Eurofins Buffalo Job No.: 480-224236-1

SDG No.:

Client Sample ID: MW-48-20241010-01 Lab Sample ID: 480-224236-2

Matrix: Water Lab File ID: pe3_101_036.D

Analysis Method: RSK-175 Date Collected: 10/10/2024 07:50

Sample wt/vol: 17(mL) Date Analyzed: 10/11/2024 10:30

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Alumina ID: 0.53(mm)

Purge Volume: Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 727896 Units: ug/L

Preparation Batch No.: Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	ND		4.0	1.0
74-84-0	Ethane	ND		7.5	1.5
74-85-1	Ethene	ND		7.0	1.5

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

3

Lab Name: Eurofins Buffalo Job No.: 480-224236-1

SDG No.:

Client Sample ID: MW-14-20241010-01 Lab Sample ID: 480-224236-3

Matrix: Water Lab File ID: pe3_101_037.D

Analysis Method: RSK-175 Date Collected: 10/10/2024 07:50

Sample wt/vol: 17(mL) Date Analyzed: 10/11/2024 10:49

Soil Aliquot Vol: Dilution Factor: 22

Soil Extract Vol.: GC Column: Alumina ID: 0.53(mm)

Purge Volume: Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 727896 Units: ug/L

Preparation Batch No.: Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	2200		88	22
74-84-0	Ethane	ND		170	33
74-85-1	Ethene	50	J	150	33

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

4

Lab Name: Eurofins Buffalo | Job No.: 480-224236-1

SDG No.:

Client Sample ID: MW-52-20241010-01 | Lab Sample ID: 480-224236-4

Matrix: Water | Lab File ID: pe3_101_038.D

Analysis Method: RSK-175 | Date Collected: 10/10/2024 08:30

Sample wt/vol: 17(mL) | Date Analyzed: 10/11/2024 11:14

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Alumina ID: 0.53(mm)

Purge Volume: | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 727896 | Units: ug/L

Preparation Batch No.: | Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	23		4.0	1.0
74-84-0	Ethane	ND		7.5	1.5
74-85-1	Ethene	ND		7.0	1.5

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

5

Lab Name: Eurofins Buffalo Job No.: 480-224236-1

SDG No.:

Client Sample ID: MW-53-20241010-01 Lab Sample ID: 480-224236-5

Matrix: Water Lab File ID: pe3_101_042.D

Analysis Method: RSK-175 Date Collected: 10/10/2024 09:10

Sample wt/vol: 17(mL) Date Analyzed: 10/11/2024 12:30

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Alumina ID: 0.53(mm)

Purge Volume: Heated Purge: (Y/N) N pH: 3.0

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 727896 Units: ug/L

Preparation Batch No.: Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	30		4.0	1.0
74-84-0	Ethane	2.2	J	7.5	1.5
74-85-1	Ethene	ND		7.0	1.5

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

6

Lab Name: Eurofins Buffalo | Job No.: 480-224236-1

SDG No.:

Client Sample ID: MW-54-20241010-01 | Lab Sample ID: 480-224236-6

Matrix: Water | Lab File ID: pe3_101_040.D

Analysis Method: RSK-175 | Date Collected: 10/10/2024 09:00

Sample wt/vol: 17(mL) | Date Analyzed: 10/11/2024 11:52

Soil Aliquot Vol: | Dilution Factor: 22

Soil Extract Vol.: | GC Column: Alumina ID: 0.53(mm)

Purge Volume: | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 727896 | Units: ug/L

Preparation Batch No.: | Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	1300		88	22
74-84-0	Ethane	ND		170	33
74-85-1	Ethene	ND		150	33

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

7

Lab Name: Eurofins Buffalo Job No.: 480-224236-1

SDG No.:

Client Sample ID: MW-51-20241010-01 Lab Sample ID: 480-224236-7

Matrix: Water Lab File ID: pe3_101_041.D

Analysis Method: RSK-175 Date Collected: 10/10/2024 09:50

Sample wt/vol: 17(mL) Date Analyzed: 10/11/2024 12:11

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Alumina ID: 0.53(mm)

Purge Volume: Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 727896 Units: ug/L

Preparation Batch No.: Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	130		4.0	1.0
74-84-0	Ethane	ND		7.5	1.5
74-85-1	Ethene	ND		7.0	1.5

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

2

Client Sample ID: MW-48-20241010-01
Lab Sample ID: 480-224236-2
Lab Name: Eurofins Buffalo
Job No.: 480-224236-1
SDG ID.:
Matrix: Water
Date Sampled: 10/10/2024 07:50
Reporting Basis: WET
Date Received: 10/10/2024 13:55
Preparation Batch Number: 727953
Instrument ID: ICAP3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	19.8	0.050	0.019	mg/L		B	1	6010D
7439-96-5	Manganese	0.87	0.0030	0.00040	mg/L		B	1	6010D

MJ 12/3/24

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MW-48-20241010-01
Lab Sample ID: 480-224236-2
Lab Name: Eurofins Buffalo
Job No.: 480-224236-1
SDG ID.:
Matrix: Water
Date Sampled: 10/10/2024 07:50
Reporting Basis: WET
Date Received: 10/10/2024 13:55
Preparation Batch Number: 727954
Instrument ID: ICAP4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron, Dissolved	1.8	0.050	0.019	mg/L			1	6010D
7439-96-5	Manganese, Dissolved	0.15	0.0030	0.00040	mg/L		B	1	6010D

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

3

Client Sample ID: MW-14-20241010-01
Lab Sample ID: 480-224236-3
Lab Name: Eurofins Buffalo
Job No.: 480-224236-1
SDG ID.:
Matrix: Water
Date Sampled: 10/10/2024 07:50
Reporting Basis: WET
Date Received: 10/10/2024 13:55
Preparation Batch Number: 727953
Instrument ID: ICAP3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	323	0.050	0.019	mg/L		B	1	6010D
7439-96-5	Manganese	1.6	0.0030	0.00040	mg/L		B	1	6010D

MW121314

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

3D

Client Sample ID: MW-14-20241010-01
Lab Sample ID: 480-224236-3
Lab Name: Eurofins Buffalo
Job No.: 480-224236-1
SDG ID.:
Matrix: Water
Date Sampled: 10/10/2024 07:50
Reporting Basis: WET
Date Received: 10/10/2024 13:55
Preparation Batch Number: 727954
Instrument ID: ICAP4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron, Dissolved	18.7	0.050	0.019	mg/L			1	6010D
7439-96-5	Manganese, Dissolved	0.15	0.0030	0.00040	mg/L		B	1	6010D

NW12/31/24

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

4

Client Sample ID: MW-52-20241010-01
Lab Sample ID: 480-224236-4
Lab Name: Eurofins Buffalo
Job No.: 480-224236-1
SDG ID.:
Matrix: Water
Date Sampled: 10/10/2024 08:30
Reporting Basis: WET
Date Received: 10/10/2024 13:55
Preparation Batch Number: 727953
Instrument ID: ICAP3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	3.7	0.050	0.019	mg/L		B	1	6010D
7439-96-5	Manganese	0.13	0.0030	0.00040	mg/L		B	1	6010D

NW 12/31/24

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

4D

Client Sample ID: MW-52-20241010-01
Lab Sample ID: 480-224236-4
Lab Name: Eurofins Buffalo
Job No.: 480-224236-1
SDG ID.:
Matrix: Water
Date Sampled: 10/10/2024 08:30
Reporting Basis: WET
Date Received: 10/10/2024 13:55
Preparation Batch Number: 727954
Instrument ID: ICAP4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron, Dissolved	2.1	0.050	0.019	mg/L			1	6010D
7439-96-5	Manganese, Dissolved	0.095	0.0030	0.00040	mg/L		B	1	6010D

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

5

Client Sample ID: MW-53-20241010-01
Lab Sample ID: 480-224236-5
Lab Name: Eurofins Buffalo
Job No.: 480-224236-1
SDG ID.:
Matrix: Water
Date Sampled: 10/10/2024 09:10
Reporting Basis: WET
Date Received: 10/10/2024 13:55
Preparation Batch Number: 727953
Instrument ID: ICAP3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	10.1	0.050	0.019	mg/L		B	1	6010D
7439-96-5	Manganese	0.31	0.0030	0.00040	mg/L		B	1	6010D

NW 12/31/24

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

SD

Client Sample ID: MW-53-20241010-01
Lab Sample ID: 480-224236-5
Lab Name: Eurofins Buffalo
Job No.: 480-224236-1
SDG ID.:
Matrix: Water
Date Sampled: 10/10/2024 09:10
Reporting Basis: WET
Date Received: 10/10/2024 13:55
Preparation Batch Number: 727954
Instrument ID: ICAP4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron, Dissolved	6.5	0.050	0.019	mg/L			1	6010D
7439-96-5	Manganese, Dissolved	0.34	0.0030	0.00040	mg/L		B	1	6010D

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

b

Client Sample ID: MW-54-20241010-01
Lab Sample ID: 480-224236-6
Lab Name: Eurofins Buffalo
Job No.: 480-224236-1
SDG ID.:
Matrix: Water
Date Sampled: 10/10/2024 09:00
Reporting Basis: WET
Date Received: 10/10/2024 13:55
Preparation Batch Number: 727953
Instrument ID: ICAP3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	2.9	0.050	0.019	mg/L		B	1	6010D
7439-96-5	Manganese	0.22	0.0030	0.00040	mg/L		B	1	6010D

NW 12/31/24

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

D

Client Sample ID: MW-54-20241010-01
Lab Sample ID: 480-224236-6
Lab Name: Eurofins Buffalo
Job No.: 480-224236-1
SDG ID.:
Matrix: Water
Date Sampled: 10/10/2024 09:00
Reporting Basis: WET
Date Received: 10/10/2024 13:55
Preparation Batch Number: 727954
Instrument ID: ICAP4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron, Dissolved	2.6	0.050	0.019	mg/L			1	6010D
7439-96-5	Manganese, Dissolved	0.22	0.0030	0.00040	mg/L		B	1	6010D

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

7

Client Sample ID: MW-51-20241010-01
Lab Sample ID: 480-224236-7
Lab Name: Eurofins Buffalo
Job No.: 480-224236-1
SDG ID.:
Matrix: Water
Date Sampled: 10/10/2024 09:50
Reporting Basis: WET
Date Received: 10/10/2024 13:55
Preparation Batch Number: 727953
Instrument ID: ICAP3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	57.5	0.050	0.019	mg/L		B	1	6010D
7439-96-5	Manganese	1.4	0.0030	0.00040	mg/L		B	1	6010D

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

7D

Client Sample ID: MW-51-20241010-01
Lab Sample ID: 480-224236-7
Lab Name: Eurofins Buffalo
Job No.: 480-224236-1
SDG ID.:
Matrix: Water
Date Sampled: 10/10/2024 09:50
Reporting Basis: WET
Date Received: 10/10/2024 13:55
Preparation Batch Number: 727954
Instrument ID: ICAP3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron, Dissolved	915	0.25	0.097	mg/L			5	6010D
7439-96-5	Manganese, Dissolved	9.7	0.0030	0.00040	mg/L		J	1	6010D

NW 12/31/24

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

2

Client Sample ID: MW-48-20241010-01
Lab Sample ID: 480-224236-2
Lab Name: Eurofins Buffalo
Job No.: 480-224236-1
SDG ID.:
Matrix: Water
Date Sampled: 10/10/2024 07:50
Reporting Basis: WET
Date Received: 10/10/2024 13:55
Preparation Batch Number:
Instrument ID: NOEQUIP

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
18496-25-8	Sulfide	ND	1.0	0.67	mg/L			1	SM 4500 S2 F
14797-55-8	Nitrate as N	0.029	0.050	0.020	mg/L	J		1	353.2
14808-79-8	Sulfate	125	25.0	7.5	mg/L			5	D516-90, 02
	Alkalinity	345	5.0	0.79	mg/L		B	1	SM 2320B
16887-00-6	Chloride	20.0	1.0	0.46	mg/L			1	SM 4500 Cl- E
7440-44-0	Total Organic Carbon	3.6	1.0	0.43	mg/L			1	SM 5310C

NW 11/21/2024

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

3

Client Sample ID: MW-14-20241010-01
Lab Sample ID: 480-224236-3
Lab Name: Eurofins Buffalo
Job No.: 480-224236-1
SDG ID.:
Matrix: Water
Date Sampled: 10/10/2024 07:50
Reporting Basis: WET
Date Received: 10/10/2024 13:55
Preparation Batch Number:
Instrument ID: NOEQUIP

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
18496-25-8	Sulfide	ND	1.0	0.67	mg/L			1	SM 4500 S2 F
14797-55-8	Nitrate as N	0.027	0.050	0.020	mg/L	J		1	353.2
14808-79-8	Sulfate	84.1	25.0	7.5	mg/L			5	D516-90, 02
	Alkalinity	502	5.0	0.79	mg/L		J	1	SM 2320B
16887-00-6	Chloride	19.8	1.0	0.46	mg/L			1	SM 4500 Cl- E
7440-44-0	Total Organic Carbon	8.8	1.0	0.43	mg/L			1	SM 5310C

NW121324

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

4

Client Sample ID: MW-52-20241010-01 | Lab Sample ID: 480-224236-4

Lab Name: Eurofins Buffalo | Job No.: 480-224236-1

SDG ID.:

Matrix: Water | Date Sampled: 10/10/2024 08:30

Reporting Basis: WET | Date Received: 10/10/2024 13:55

Preparation Batch Number: | Instrument ID: NOEQUIP

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
18496-25-8	Sulfide	ND	1.0	0.67	mg/L			1	SM 4500 S2 F
14797-55-8	Nitrate as N	0.041	0.050	0.020	mg/L	J		1	353.2
14808-79-8	Sulfate	120	25.0	7.5	mg/L			5	D516-90, 02
	Alkalinity	495	5.0	0.79	mg/L		F	1	SM 2320B
16887-00-6	Chloride	15.2	1.0	0.46	mg/L			1	SM 4500 Cl- E
7440-44-0	Total Organic Carbon	3.6	1.0	0.43	mg/L			1	SM 5310C

NW 12/31/24

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

5

Client Sample ID: MW-53-20241010-01
Lab Sample ID: 480-224236-5
Lab Name: Eurofins Buffalo
Job No.: 480-224236-1
SDG ID.:
Matrix: Water
Date Sampled: 10/10/2024 09:10
Reporting Basis: WET
Date Received: 10/10/2024 13:55
Preparation Batch Number:
Instrument ID: NOEQUIP

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
18496-25-8	Sulfide	ND	1.0	0.67	mg/L			1	SM 4500 S2 F
14797-55-8	Nitrate as N	ND	0.050	0.020	mg/L			1	353.2
14808-79-8	Sulfate	165	25.0	7.5	mg/L			5	D516-90, 02
	Alkalinity	469	5.0	0.79	mg/L		F	1	SM 2320B
16887-00-6	Chloride	26.4	1.0	0.46	mg/L			1	SM 4500 Cl- E
7440-44-0	Total Organic Carbon	3.4	1.0	0.43	mg/L			1	SM 5310C

MW121324

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

6

Client Sample ID: MW-54-20241010-01
Lab Sample ID: 480-224236-6
Lab Name: Eurofins Buffalo
Job No.: 480-224236-1
SDG ID.:
Matrix: Water
Date Sampled: 10/10/2024 09:00
Reporting Basis: WET
Date Received: 10/10/2024 13:55
Preparation Batch Number:
Instrument ID: NOEQUIP

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
18496-25-8	Sulfide	ND	1.0	0.67	mg/L			1	SM 4500 S2 F
14797-55-8	Nitrate as N	ND	0.050	0.020	mg/L			1	353.2
14808-79-8	Sulfate	163	25.0	7.5	mg/L			5	D516-90, 02
	Alkalinity	420	5.0	0.79	mg/L		B	1	SM 2320B
16887-00-6	Chloride	19.5	1.0	0.46	mg/L			1	SM 4500 Cl- E
7440-44-0	Total Organic Carbon	11.1	1.0	0.43	mg/L			1	SM 5310C

11/21/24

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

7

Client Sample ID: MW-51-20241010-01 | Lab Sample ID: 480-224236-7

Lab Name: Eurofins Buffalo | Job No.: 480-224236-1

SDG ID.:

Matrix: Water | Date Sampled: 10/10/2024 09:50

Reporting Basis: WET | Date Received: 10/10/2024 13:55

Preparation Batch Number: | Instrument ID: NOEQUIP

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
18496-25-8	Sulfide	ND	1.0	0.67	mg/L			1	SM 4500 S2 F
14797-55-8	Nitrate as N	ND	0.050	0.020	mg/L			1	353.2
14808-79-8	Sulfate	99.4	25.0	7.5	mg/L			5	D516-90, 02
	Alkalinity	551	5.0	0.79	mg/L		B	1	SM 2320B
16887-00-6	Chloride	25.7	1.0	0.46	mg/L			1	SM 4500 Cl- E
7440-44-0	Total Organic Carbon	4.2	1.0	0.43	mg/L			1	SM 5310C

ENVIRONMENTAL
Data Services, Inc.

DATA USABILITY SUMMARY REPORT
FORMER LEICA SITE, CHEEKTOWAGA, NEW YORK

Client: Environmental Resources Management, Inc., Syracuse, New York
SDG: 480-224279-1
Laboratory: Eurofins, Buffalo, New York
Site: Former Leica, Inc. Site, Cheektowaga, NY
Date: December 3, 2024

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	MW-34A-20241011-01	480-224279-1	Water

A Data Usability Summary Review was performed on the analytical data for one water sample collected on October 11, 2024 by ERM at the Former Leica Site in Cheektowaga, New York. The samples were analyzed under Environmental Protection Agency (USEPA) Test Methods for the Evaluation of Solid Waste, USEPA SW-846, Third Edition, September 1986, with revisions, the Method for Analysis of Dissolved Gas in Water, the Methods for Chemical Analysis of Water and Wastes, the ASTM Standard Test Method for Sulfate Ion in Water, and the Standard Methods for Examination of Water and Wastewater.

Specific method references are as follows:

Analysis	*Method References*
MEE	USEPA Method RSK175
Metals (Fe/Mn) (T/D)	USEPA SW-846 Method 6010D
Nitrate	USEPA Method 353.2
Sulfate	ASTM Method D516-90, 02
Alkalinity	Standard Method SM2320B
Chloride	Standard Method SM4500 Cl-E
Sulfide	Standard Method SM4500 S2 F
TOC	Standard Method SM5310C

The data have been validated according to the protocols and quality control (QC) requirements of the analytical methods and the USEPA Region II Data Review Standard Operating Procedures (SOPs) as follows:

- SOP Number QA-HWSS-A-004, March 2022, Standard Operating Procedure for the Validation of Volatile Data;
- SOP Number QA-HWSS-A-010, March 2022, Standard Operating Procedure for ICP AES Data Validation;
- SOP Number QA-HWSS-A-012, March 2022, Standard Operating Procedure for Validation of Cyanide Data;
- and the reviewer's professional judgment.

The following items/criteria were reviewed for this report:

Organics

- Data Completeness
- Holding times and sample preservation
- Gas Chromatography (GC)/Mass Spectroscopy (MS) tuning
- Liquid Chromatography (LC)/Mass Spectroscopy (MS) tuning
- Initial and continuing calibration summaries
- Method blank and field blank contamination
- Surrogate Spike recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries
- Laboratory Control Sample (LCS) recoveries
- Compound Quantitation
- Internal standard area and retention time summary forms
- Method blank and field blank contamination
- Tentatively Identified Compounds (TICs)
- Field Duplicate sample precision

Inorganics

- Data Completeness
- Holding times and sample preservation
- Initial and continuing calibration verifications
- Method blank and field blank contamination
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries
- Duplicate Sample Analysis recoveries
- Laboratory Control Sample (LCS) recoveries
- ICP Serial Dilution
- Compound Quantitation
- Field Duplicate sample precision

Data Usability Assessment

There were no rejections of data.

The data are acceptable for the intended purposes as qualified for the deficiencies detailed in this report.

Please note that any results qualified (U) due to blank contamination may be then qualified (J) due to another action. Therefore, the results may be qualified (UJ) due to the culmination of the blank contaminations and actions from other exceedances of QC criteria.

Data Completeness

- The data is a complete Category B data package as defined under the requirements for the NYS Department of Environmental Conservation Analytical Services Protocol.

Dissolved Gas (MEE)

Holding Times

- All samples were analyzed within 14 days for preserved water samples.

Initial Calibration

- The initial calibrations exhibited acceptable %RSD and/or correlation coefficients.

Continuing Calibration

- The continuing calibrations exhibited acceptable percent differences (%D).

Method Blank

- The method blanks were free of contamination.

Field Blank

- Field blank samples were not collected.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- MS/MSD samples were not analyzed.

Laboratory Control Samples/Laboratory Control Sample Duplicates (LCS/LCSD)

- The LCS/LCSD samples exhibited acceptable percent recoveries (%R) and RPD values.

Compound Quantitation

- All criteria were met.

Field Duplicate Sample Precision

- Field duplicate samples were not collected.

Metals (Fe/Mn) (Total & Dissolved)

Holding Times

- All samples were prepared and analyzed within 180 days.

Initial Calibration Verification

- All initial calibration criteria were met.

Continuing Calibration Verification

- All continuing calibration criteria were met.

Method Blank

- The method blanks were free of contamination.

Field Blank

- Field blank samples were not collected.

Matrix Spike (MS) Recoveries

- MS/MSD samples were not analyzed.

Duplicate Sample Analysis

- A duplicate sample was not analyzed.

Laboratory Control Samples

- The LCS samples exhibited acceptable percent recoveries (%R).

ICP Serial Dilution

- ICP serial dilution samples were not analyzed.

Compound Quantitation

- All criteria were met.

Field Duplicate Sample Precision

- Field duplicate samples were not collected.

Nitrate, Sulfate, Alkalinity, Chloride, Sulfide, TOC

Holding Times

- All samples were prepared and analyzed the recommended holding time.

Initial Calibration Verification

- All initial calibration criteria were met.

Continuing Calibration Verification

- All continuing calibration criteria were met.

Method Blank

- The method blanks were free of contamination.

Field Blank

- Field blank samples were not collected.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- MS/MSD samples were not analyzed.

Duplicate Sample Analysis

- A duplicate sample was not collected.

Laboratory Control Samples

- The LCS samples exhibited acceptable percent recoveries (%R).

Compound Quantitation

- The sample was analyzed at a 5X dilution due to high concentrations of sulfate and chloride. The reporting limits were adjusted accordingly. No action was required.

Field Duplicate Sample Precision

- Field duplicate samples were not collected.

Please contact the undersigned at (561) 475-2000 if you have any questions or need further information.

Signed: Nancy Weaver Dated: 12/4/24

Nancy Weaver
Senior Chemist

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
NJ	The analysis has been "tentatively identified" or "presumptively" as present and the associated numerical value is the estimated concentration in the samples.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limits is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

1

Lab Name: Eurofins Buffalo Job No.: 480-224279-1

SDG No.:

Client Sample ID: MW-34A-20241011-01 Lab Sample ID: 480-224279-1

Matrix: Water Lab File ID: pe3_101_080.D

Analysis Method: RSK-175 Date Collected: 10/11/2024 15:20

Sample wt/vol: 17(mL) Date Analyzed: 10/17/2024 13:50

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Alumina ID: 0.53(mm)

Purge Volume: Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 728616 Units: ug/L

Preparation Batch No.: Instrument ID: PE-03

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	140		4.0	1.0
74-84-0	Ethane	76		7.5	1.5
74-85-1	Ethene	34		7.0	1.5

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-34A-20241011-01
Lab Sample ID: 480-224279-1
Lab Name: Eurofins Buffalo
Job No.: 480-224279-1
SDG ID.:
Matrix: Water
Date Sampled: 10/11/2024 15:20
Reporting Basis: WET
Date Received: 10/11/2024 16:10
Preparation Batch Number: 728114
Instrument ID: ICAP4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	0.049	0.050	0.019	mg/L	J		1	6010D
7439-96-5	Manganese	0.048	0.0030	0.00040	mg/L			1	6010D

MW 12/13/24

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

1D

Client Sample ID: MW-34A-20241011-01
Lab Sample ID: 480-224279-1
Lab Name: Eurofins Buffalo
Job No.: 480-224279-1
SDG ID.:
Matrix: Water
Date Sampled: 10/11/2024 15:20
Reporting Basis: WET
Date Received: 10/11/2024 16:10
Preparation Batch Number: 728111
Instrument ID: ICAP3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron, Dissolved	0.049	0.050	0.019	mg/L	J		1	6010D
7439-96-5	Manganese, Dissolved	0.048	0.0030	0.00040	mg/L			1	6010D

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

1

Client Sample ID: MW-34A-20241011-01
Lab Sample ID: 480-224279-1
Lab Name: Eurofins Buffalo
Job No.: 480-224279-1
SDG ID.:
Matrix: Water
Date Sampled: 10/11/2024 15:20
Reporting Basis: WET
Date Received: 10/11/2024 16:10
Preparation Batch Number:
Instrument ID: NOEQUIP

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
18496-25-8	Sulfide	ND	1.0	0.67	mg/L			1	SM 4500 S2 F
14797-55-8	Nitrate as N	ND	0.050	0.020	mg/L			1	353.2
14808-79-8	Sulfate	43.5	25.0	7.5	mg/L			5	D516-90, 02
	Alkalinity	374	5.0	0.79	mg/L			1	SM 2320B
16887-00-6	Chloride	149	5.0	2.3	mg/L			5	SM 4500 Cl- E
7440-44-0	Total Organic Carbon	0.88	1.0	0.43	mg/L	J		1	SM 5310C

APPENDIX F LOW-FLOW SAMPLING FORMS

Low-Flow Groundwater Sampling Form

ERM

Site Name: Cheektowaga
Project No.:

Monitoring Well: MW-51	Area: onsite
Date: 5/8/24	Sampling Device:
Sampling Personnel: A Harford	Peri pump - 25157 (Pine)
Weather Conditions: Sun, 60°, 16 mph WSW	YSI pro plus - (ECO) 18K100430
Time: 10:05	turbidity - (ECO) - FA03027

Total Depth (TD)[1]: 11.03	Screen Length (feet): 5
Depth to Water (DTW): 2.20	Well Diameter (inches): 2"
Total Volume Purged (USG): ~2.0	Casing Type: PVC
Average Purge Rate: 150	PID Headspace (ppm): 16.70
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): 10.0'	Color: clear Odor: none

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
10:10	3.11		9.5	1387	0.31	6.94	38.1	240.2	150
10:15	3.70		9.5	1383	0.20	6.94	15.1	-269.7	150
10:20	4.30		9.4	1377	0.15	6.94	9.08	-302.0	150
10:25	4.81		9.4	1096	0.13	6.93	10.93	-327.2	150
10:30	5.09		9.4	1085	0.12	6.93	10.79	-334.0	150
10:35	5.32		9.6	1076	0.14	6.92	7.99	-332.6	150
10:40	5.41		9.5	1074	0.13	6.91	7.07	-335.2	150
10:45	5.60		9.5	1077	0.14	6.89	6.96	-334.8	150

Sampling Time: 10:50

Sample ID: MW-51-20240508

Analysis Requested: VOC

Filtered Y/N: N

Preservative: HCl

Additional Field Measurements

Notes:

[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.

[2] = Stabilization criteria based on three most recent consecutive measurements.

[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

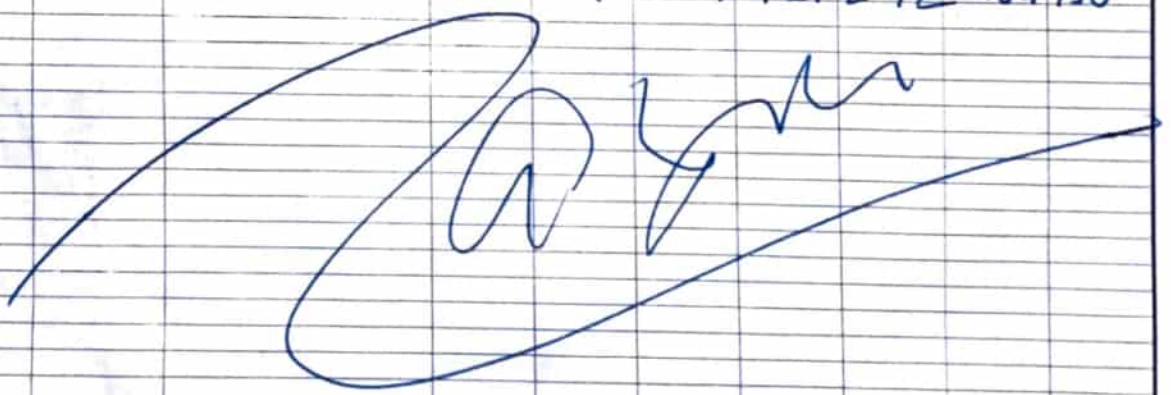
ERM

Site Name: Checktowaga
Project No.:

Monitoring Well: MW-38A	Area: onsite
Date: 5/8/24	Sampling Personnel:
Sampling Personnel: A Harford	Sampling Device: Peri pump - PINE (25157)
Weather Conditions: cloudy,	YSI pro plus - ECO (16K100430)
Time: ~~13:35~~ 15:35	turbidity - ECO (FA03027)

Total Depth (TD)[1]: 30.51	Screen Length (feet): ——
Depth to Water (DTW): 12.66	Well Diameter (inches): 2"
Total Volume Purged (USG): ~2.0	Casing Type: PVC
Average Purge Rate: 150	PID Headspace (ppm): 0.0
Tubing Type: LDPE	Measuring Point: TOC
Pump Intake (feet below MP): 28'	Color: clear Odor: NONE

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
~~13:40~~	13.75		11.6	1137	3.16	7.22	21.2	-189.5	150
15:00 ~~13:45~~	15.00		10.8	1148	3.12	7.26	13.2	-227.2	150
~~13:50~~	15.70		10.8	1149	2.84	7.27	9.21	-234.3	150
~~13:55~~	16.91		10.7	1149	2.62	7.28	7.30	-240.7	150
~~16:00~~	17.54		10.6	1146	2.52	7.26	5.69	-244.4	150
~~16:05~~	18.15		10.7	1147	1.08	7.26	3.99	-247.5	150
~~16:10~~	19.01		10.8	1143	1.18	7.25	3.50	-248.6	150
~~16:15~~	20.10		10.8	1142	1.29	7.25	3.99	-246.7	150
~~16:20~~	21.25		10.8	1140	1.32	7.25	3.48	-250.2	150
			10.8	1137	1.34	7.24	2.42	-248.4	150



Sampling Time:

Sample ID: 14:25

MW-38A-20240508-01

Analysis Requested:	Filtered Y/N:	Preservative:
VOC	N	HCl

Additional Field Measurements

Notes:

[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.

[2] = Stabilization criteria based on three most recent consecutive measurements.

[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

ERM

Site Name: Cheektowaga
Project No.:

Monitoring Well: MW-31D	Area: on site
Date: 5/8/24	Sampling Device:
Sampling Personnel: A Harford	turbidity (EO) = FA03027
Weather Conditions: Sun, 68, 19 mph WSW	YSI pro plus = 18K100430 (ECO)
Time: 13:30	Peri pump = 25157 (PINE)

Total Depth (TD)[1]: 51.02	Screen Length (feet): 10'
Depth to Water (DTW): 7.86	Well Diameter (inches): 2"
Total Volume Purged (USG): 2.0	Casing Type: PVC
Average Purge Rate: 150	PID Headspace (ppm): 0.0
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): 50'	Color: clear Odor: organic-like

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
13:35	8.31		11.8	577.1	0.20	7.42	4.68	-277.5	150
13:40	9.05		11.6	576.7	0.15	7.42	3.76	-302.6	150
13:45	9.01		12.0	576.6	0.12	7.41	4.02	-314.1	150
13:50	8.94		11.9	576.5	0.13	7.40	4.19	-319.8	150
13:55	8.94		12.1	576.0	0.13	7.39	2.53	-321.1	150
14:00	8.94		12.0	576.4	0.15	7.38	2.02	-314.2	150
14:05	9.01		12.0	577.1	0.25	7.36	3.92	-308.2	150
14:10	9.01		12.1	577.4	0.31	7.37	3.27	-304.6	150

Sampling Time: MW-31D-20240508-01

Sample ID: 14:15 Analysis Requested: VOC Filtered Y/N: N Preservative: HCl

Additional Field Measurements

Notes:

[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.

[2] = Stabilization criteria based on three most recent consecutive measurements.

[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

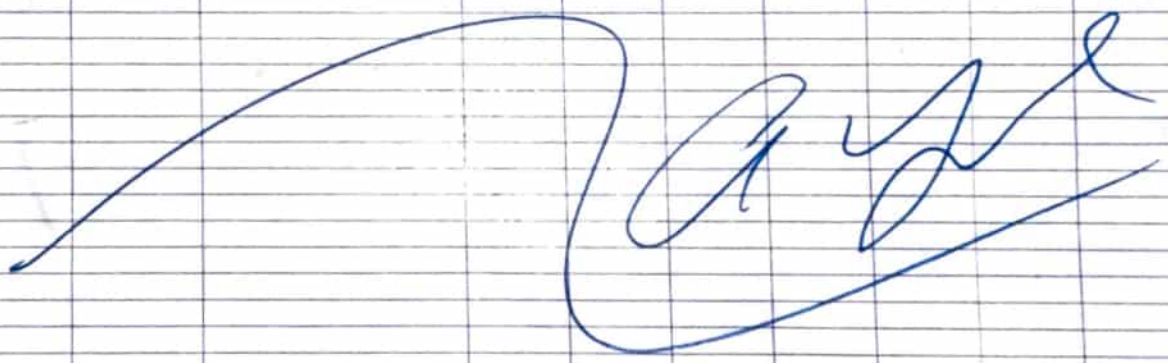
ERM

Site Name: Checktowaga
Project No.:

Monitoring Well: MW-52	Area: Onsite
Date: 5/8/24	Sampling Device:
Sampling Personnel: A Harford	turbidity - ECO (FA03027)
Weather Conditions: Cloudy, 59	Peri-Pump - pine (25157)
Time: 9:00	YSI - Pro plus (18K100430) - ECO

Total Depth (TD)[1]: 11.11	Screen Length (feet): 5'
Depth to Water (DTW): 4.83	Well Diameter (inches): 2"
Total Volume Purged (USG): ~2.5	Casing Type: PVC
Average Purge Rate: 150	PID Headspace (ppm): 0.0
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): 10	Color: Clear Odor: Organic

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
9:05	4.83		9.3	963	0.90	6.70	12.87	-168.5	150
9:10	5.60		9.1	938	0.36	6.65	4.95	-225.3	150
9:15	5.93		9.2	1108	2.60	6.65	3.47	-248.0	150
9:20	6.13		9.2	1102	1.27	6.66	1.68	-268.0	150
9:25	6.40		9.3	1110	0.69	6.71	2.08	-279.7	150
9:30	6.50		9.3	1126	0.70	6.73	1.90	-286.4	150
9:35	6.52		9.2	1143	0.59	6.74	3.21	-286.3	150
9:40	6.62		9.2	1160	0.50	6.76	3.54	-288.0	150
9:45	6.62		9.1	1178	0.47	6.77	4.78	-292.9	150
9:50	6.62		9.2	1193	0.40	6.79	4.88	-294.7	150



Sampling Time: 10:00

Sample ID:	Analysis Requested:	Filtered Y/N:	Preservative:
MW-52-20240508	VOC	N	HCl

Additional Field Measurements

DUP-01-20240508 @ 12:00

Notes:

[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.

[2] = Stabilization criteria based on three most recent consecutive measurements.

[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

ERM

Site Name: Cheektowaga
Project No.:

Monitoring Well: MW-50	Area: On-site
Date: 05/06/2024	Sampling Device: YSI : FAQ4987
Sampling Personnel: EP	Turb.: FAQ3811
Weather Conditions: Sunny, 69°, wind NW 4mph	Peripump: 36778
Time: 1645	

Total Depth (TD)[1]: 10.85	Screen Length (feet): 5
Depth to Water (DTW): ~~10.70~~ 10.66	Well Diameter (inches): 2
Total Volume Purged (USG): 4.00	Casing Type: PVC
Average Purge Rate: 200	PID Headspace (ppm): 0.0
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): 7.00	Color: Clear Odor: None

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
1645	10.66		10.3	1039	0.59	7.18	5.02	-106.0	200
1650	7.05		10.0	1011	0.36	7.12	13.70	-117.7	200
1655	~~7.15~~ 7.15		9.9	978	0.30	7.11	20.50	-126.0	200
1700	7.31		9.8	954	0.27	7.08	10.70	-128.8	200
1705	7.38		9.8	963	0.30	7.09	7.84	-129.6	200
1710	7.43		9.8	966	0.34	7.08	12.70	-108.8	200
1715	7.45		9.8	969	0.36	7.07	15.80	-127.2	200
1720	7.48		9.8	984	0.37	7.09	10.52	-125.5	200
1725	7.48		9.8	987	0.34	7.07	5.98	-123.3	200
1730	~~7.49~~ 7.48		9.7	998	0.34	7.08	4.94	-122.8	200
1735	7.48		9.7	989	0.32	7.08	5.53	-120.1	200

Sampling Time: 1740

Sample ID: MW50-20240506-01

Analysis Requested: VOC

Filtered Y/N: N

Preservative: HCl

Additional Field Measurements

Notes:

[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.

[2] = Stabilization criteria based on three most recent consecutive measurements.

[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

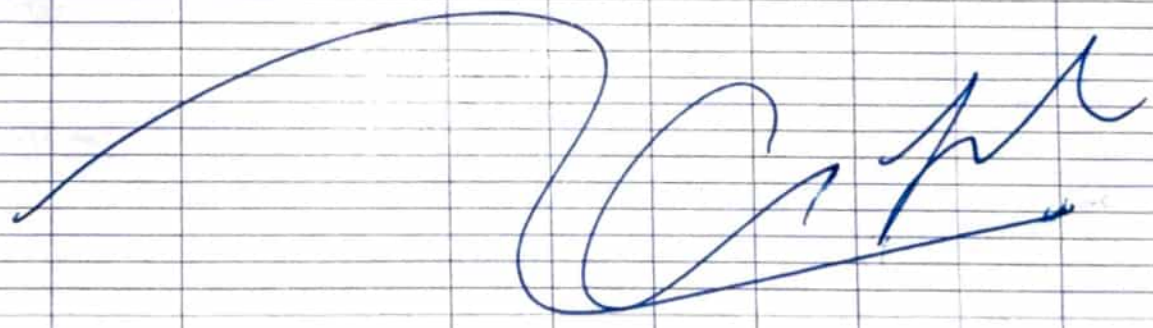
ERM

Site Name: Checktanaga - Leica
Project No.: MW-49

Monitoring Well: MW-49	Area: onsite
Date: 5/6/24	Sampling Device:
Sampling Personnel: A Harford	Peri pump - pine (25157)
Weather Conditions: Sun, 67°	turbidity - ECO (FA03026)
Time: 16:35	YSI Pro Plus (19K100430)

Total Depth (TD)[1]: 12.30	Screen Length (feet): 5'
Depth to Water (DTW): 6.31	Well Diameter (inches): 2"
Total Volume Purged (USG): 2.5	Casing Type: PVC
Average Purge Rate: 200	PID Headspace (ppm): 1.60
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): 10'	Color: Clear Odor: NONE

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
16:40	7.48		10.0	1253	0.40	6.99	5.32	-215.8	200
16:45	7.71		10.2	1248	0.20	7.01	5.44	-243.9	200
16:50	7.83		10.2	1229	0.23	6.96	3.54	-265.0	200
16:55	7.90		10.0	1211	0.23	6.91	3.85	-279.5	200
17:00	8.03		10.0	1155	0.20	6.93	4.54	-300.8	200
17:05	8.06		9.9	1085	0.24	6.98	3.67	-324.3	200
17:10	8.14		9.9	1105	0.26	6.96	3.16	-339.6	200
17:15	8.16		9.9	1116	0.26	6.95	3.61	-346.9	200
17:20	8.21		9.9	1142	0.23	6.96	4.39	-354.5	200
17:25	8.28		9.9	1160	0.23	6.98	3.27	-366.1	200
17:30	8.28		9.9	1175	0.21	6.98	3.22	-370.6	200
17:35	8.30		9.8	1186	0.23	6.98	3.17	-373.7	200



Sampling Time: 17:40

Sample ID: ~~MW-49(20240506)-01~~ MW-49-20240506-01

Analysis Requested: VOC

Filtered Y/N: N

Preservative: HCl

Additional Field Measurements

Notes:

[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.

[2] = Stabilization criteria based on three most recent consecutive measurements.

[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

ERM

Site Name: Cheektowaga
Project No.:

Monitoring Well: MW-48	Area: on site
Date: 05/08/2024	Sampling Device: YSI: FA01787
Sampling Personnel: EP	Turb: FA03826
Weather Conditions: part cloudy; 57°; wind SW 7 mph	Peri pump: 10569
Time: 0905	

Total Depth (TD)[1]: 11.20	Screen Length (feet): 5
Depth to Water (DTW): 4.85	Well Diameter (inches): 2
Total Volume Purged (USG): 2.5	Casing Type: PVC
Average Purge Rate: 200	PID Headspace (ppm): 1.6
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): 6.5	Color: clear Odor: none

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
0910	5.88		9.2	970	2.6	6.82	13.0	188.0	300
0915	6.98		9.2	956	0.36	6.87	6.77	153.6	200
0920	6.98		9.4	948	0.38	6.89	3.15	151.4	200
0925	7.02		9.3	972	0.42	6.90	3.65	153.9	200
0930	7.05		9.3	990	0.39	6.92	2.61	153.7	200
0935	7.08		9.3	996	0.33	6.93	2.34	154.6	200
0940	7.27		9.3	993	0.38	6.93	2.13	154.1	200

Sampling Time: 0945

Sample ID: MW-48-20240508-01

Analysis Requested: VOCs

Filtered Y/N: N

Preservative: HCl

Additional Field Measurements

Notes:

[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.

[2] = Stabilization criteria based on three most recent consecutive measurements.

[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

ERM

Site Name: Cheektowaga
Project No.:

Monitoring Well: MW-37A	Area: on site
Date: 05/07/24	Sampling Device: YSI: FA01787
Sampling Personnel: EP	Turb: FA03811
Weather Conditions: Sunny, 73°, wind NE3mph	Dempump: 44395
Time: 1522	

Total Depth (TD)[1]: ~~30.40~~ 30.40	Screen Length (feet): 10
Depth to Water (DTW): 15.60	Well Diameter (inches): 2
Total Volume Purged (USG): 3	Casing Type: PVC
Average Purge Rate: 200	PID Headspace (ppm): 0.0
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): 21.0	Color: ~~stc gray~~ → clear Odor: none

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
1525	15.60		11.9	4155	2.19	7.58	55.3	109.3	200
1530	15.65		11.6	3327	2.17	7.62	94.0	84.3	200
1535	15.70		11.5	2231	2.39	7.55	38.1	67.0	200
1540	15.65		11.5	1840	2.64	7.44	16.8	84.3	200
1545	15.68		11.4	1796	3.61	7.29	8.08	138.9	200
1550	15.68		11.4	1837	1.76	7.27	7.27	157.9	200
1555	15.70		11.3	1841	1.38	7.25	4.46	165.5	200
1600	15.70		11.4	1854	1.05	7.24	4.35	167.8	200
1605	15.68		11.4	1876	0.90	7.21	3.35	169.4	200
~~1610~~									
1615									

Sampling Time: 1610

Sample ID: MW-37A-20240507

Analysis Requested: VOCs

Filtered Y/N: N

Preservative: HCl

Additional Field Measurements

Notes:

[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.

[2] = Stabilization criteria based on three most recent consecutive measurements.

[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

ERM

Site Name: Chattanooga
Project No.:

Monitoring Well: MW-33A	Area: on site
Date: 05/07/24	Sampling Device: YSI: FA@1787
Sampling Personnel: EP	Turb: FA@3811
Weather Conditions: ~~sunny~~ overcast; 75; NE 2mph	Peri pump: 44395
Time: 1630	

Total Depth (TD)[1]: —	Screen Length (feet): 10
Depth to Water (DTW): 14.45	Well Diameter (inches): 2
Total Volume Purged (USG): 3	Casing Type: PVC
Average Purge Rate: 200	PID Headspace (ppm): 0.0
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): 30	Color: — Odor: —

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
1630	15.00		12.6	1341	0.34	7.3	10.41	209.6	200
1635	15.95		12.9	1334	0.29	7.29	3.14	197.6	200
1640	17.08		12.8	1334	0.25	7.30	2.29	180.9	200
1645	18.25		12.8	1334	0.24	7.31	1.73	167.2	200
1650	19.3		12.7	1335	0.25	8.28	1.62	159.4	200
1655	20.55		12.7	1335	0.26	8.28	1.81	150.8	200
1700	22.03		12.5	1335	0.25	8.30	1.83	138.9	200
1705	22.18		12.5	1332	0.27	8.28	1.88	121.2	200
1710	24.63		12.6	1331	0.25	8.27	1.95	101.4	200
1715	25.65		12.7	1331	0.23	8.25	2.09	84.4	200
1720	26.75		12.8	1331	0.24	8.21	2.11	76.5	200
1725	27.75		12.8	1332	0.24	8.18	1.93	61.9	200
1730	28.25		13.0	1334	0.22	8.14	1.95	48.3	100
1735	29.50	~~trouble shooting~~	13.2	1328	0.32	8.06	1.99	15.2	100
1740	→ pump stopped pulling due to depth, finishing w/ moonsoon pump								

Sampled by A.B. on 5/8/24

EJ Pey

Sampling Time: 15:55

Sample ID:	Analysis Requested:	Filtered Y/N:	Preservative:
MW-33A-20240508-01	VOCs	N	HCl

Additional Field Measurements

Notes:

[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.

[2] = Stabilization criteria based on three most recent consecutive measurements.

[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

ERM

Site Name: Cheektowaga
Project No.:

Monitoring Well: MW-54	Area: On-Site
Date: 5/6/24	Sampling Device:
Sampling Personnel: Emma Puhalski	YSI Pro Plus: ~~14H103152~~ FA01787
Weather Conditions: Sunny, 78.68°	LaMotte Turbidity: FA02115
Time: 1735	Peri Pump: 4439

Total Depth (TD)[1]: 10.42	Screen Length (feet): 5
Depth to Water (DTW): 4.82	Well Diameter (inches): 2
Total Volume Purged (USG): 4 gallons	Casing Type: PVC
Average Purge Rate: 150	PID Headspace (ppm): 0.50
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): 8.5	Color: Light yellow Odor: Odorless

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
1640	4.86		10.3	1394	2.98	6.91	49.1	51.9	300
1645	5.99		10.3	1390	2.47	6.91	32.7	22.6	200
1650	6.21		10.4	1428	1.98	6.90	26.3	9.5	200
1655	6.40		10.5	1451	1.54	6.89	22.9	-0.9	200
1700	6.52		10.4	1471	1.33	6.89	13.2	-4.6	150
1705	6.68		10.3	1472	1.06	6.88	11.93	-8.7	150
1710	6.88		10.2	1479	0.92	6.88	8.56	-9.4	150
1715	7.20		10.1	1472	0.71	6.88	7.68	-11.6	150
1720	7.45		10.1	1475	0.56	6.87	5.68	-10.6	150
1725	7.75		9.9	1497	0.40	6.87	4.25	-14.2	150
1730	8.05		9.9	1516	0.34	6.87	4.52	-18.1	150
1735	MW-54-20240506-01	sample taken							

EP

Sampling Time: 17:35

Sample ID: MW-54-20240506-01

Analysis Requested: VOC

Filtered Y/N: N

Preservative: HCl

Additional Field Measurements

Notes:

[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.

[2] = Stabilization criteria based on three most recent consecutive measurements.

[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

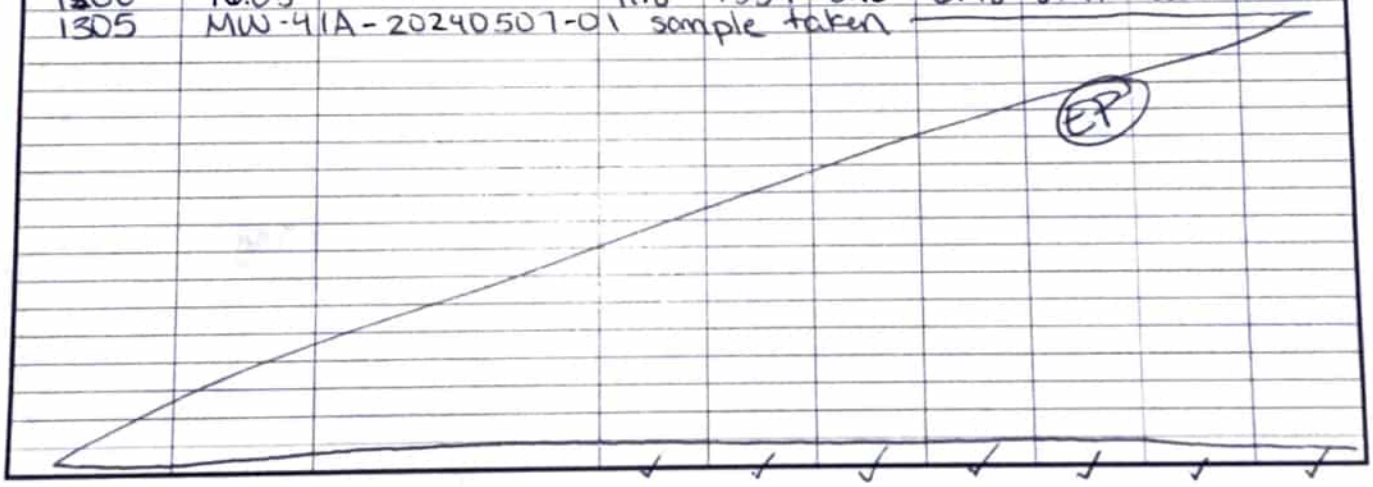
ERM

Site Name: Cheektowaga
Project No.:

Monitoring Well: MW-41A	Area: St. Stans
Date: 5/7/24	Sampling Device:
Sampling Personnel: ENP	YSI Pro Quatro: FA05287
Weather Conditions: Sunny, 68	LaMotte Turbidity: FA06127
Time: 1305	Peri Pump: 360778

Total Depth (TD)[1]: 33.81	Screen Length (feet): 10
Depth to Water (DTW): 16.12	Well Diameter (inches): 2
Total Volume Purged (USG): 3.25 gallons	Casing Type: PVC
Average Purge Rate: 200	PID Headspace (ppm): 0.80
Tubing Type: HDPE	Measuring Point: ~~30~~ TOC
Pump Intake (feet below MP): 30	Color: Colorless Odor: Faint sulfur-like

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
1215	16.12		10.8	1585	0.18	7.00	1.52	-87.1	300
1220	16.05		11.6	1577	0.14	6.99	1.41	-91.0	200
1225	16.05		11.4	1573	0.13	6.96	1.25	-96.3	200
1230	16.05		11.5	1568	0.11	6.96	0.74	-100.2	200
1235	16.05		11.4	1560	0.11	7.05	0.63	-106.5	200
1240	16.05		11.6	1562	0.10	6.96	0.57	-90.5	200
1245	16.05		11.6	1560	0.11	6.94	0.55	-76.2	200
1250	16.05		11.7	1557	0.11	6.90	0.36	-69.8	200
1255	16.05		11.6	1561	0.12	6.84	0.43	-65.7	200
1300	16.05		11.8	1557	0.10	6.98	0.41	-62.1	200
1305	MW-41A-20240507-01 sample taken								



Sampling Time: 1305

Sample ID: MW-41A-20240507-01 Analysis Requested: VOC Filtered Y/N: N Preservative: HCl

Additional Field Measurements
MS/MSD

Notes:

[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.

[2] = Stabilization criteria based on three most recent consecutive measurements.

[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

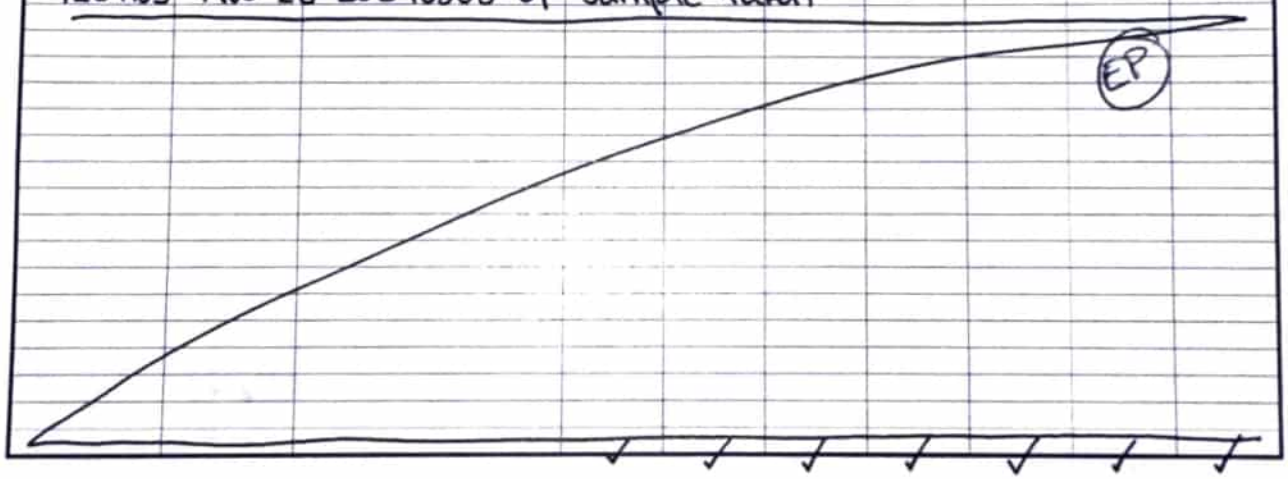
ERM

Site Name: Creektowaga
Project No.:

Monitoring Well: MW-28	Area: Residential
Date: 5/8/24	Sampling Device:
Sampling Personnel: ENP	YSI Pro Quatro: FA05287
Weather Conditions: Sunny, breezy, 62°	LaMotte Turbidity: FA02115
Time: 1155	Peri Pump: 443695

Total Depth (TD)[1]: 12.53	Screen Length (feet): Unknown
Depth to Water (DTW): 8.40	Well Diameter (inches): 2
Total Volume Purged (USG): 4.5 gallons	Casing Type: PVC
Average Purge Rate: 250	PID Headspace (ppm): 0.40
Tubing Type: ~~PVC~~ HDPE	Measuring Point: ~~Unknown~~ TOC
Pump Intake (feet below MP): Unknown	Color: Colorless Odor: Odorless

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
1110	8.39		12.8	858	3.35	7.15	15.8	95.2	300
1115	8.53		13.0	867	3.06	7.20	5.18	94.6	260
1120	8.67		12.9	894	3.02	7.35	4.71	93.9	250
1125	8.81		12.8	904	2.98	7.21	2.49	93.6	250
1130	8.95		12.6	921	2.83	7.35	1.61	92.9	250
1135	9.12		12.6	919	2.69	7.28	1.33	90.7	250
1140	9.25		12.6	922	2.69	7.15	1.01	88.2	250
1145	9.31		12.6	929	2.67	7.17	0.70	84.6	250
1150	9.37		12.6	924	2.59	7.14	0.53	80.0	250
~~1201~~ 1155	MW-28-20240508-01		sample taken						



Sampling Time: 1155

Sample ID: MW-28-20240508-01 Analysis Requested: VOC Filtered Y/N: N Preservative: HCl

Additional Field Measurements

Notes:

[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.

[2] = Stabilization criteria based on three most recent consecutive measurements.

[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

ERM

Site Name: Cheektowaga
Project No.:

Monitoring Well: MW-42A	Area: St. Stans
Date: 5/7/24	Sampling Device:
Sampling Personnel: ENP	YSI Pro Quatro: FA05287
Weather Conditions: Sunny, 72°	LaMotte Turbidity: FA06127
Time: 1430	Peri Pump: 36178

Total Depth (TD)[1]: 51.90	Screen Length (feet): 10
Depth to Water (DTW): 23.87	Well Diameter (inches): 2
Total Volume Purged (USG): 1.5 gallons	Casing Type: PVC
Average Purge Rate: 200	PID Headspace (ppm): 0.60
Tubing Type: HDPE	Measuring Point: ~~45~~ TOC
Pump Intake (feet below MP): 45	Color: Colorless Odor: Sulfur-like

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
1355	23.22		12.7	1185	0.30	7.10	1.24	-133.5	160
1400	23.22		12.6	1173	0.22	7.12	0.46	-148.6	200
1405	23.22		12.5	1175	0.17	7.04	0.57	-148.2	200
1410	23.14		12.5	1162	0.17	7.08	0.32	-158.8	200
1415	23.14		12.5	1176	0.17	7.03	0.31	-162.7	200
1420	23.14		12.6	1171	0.17	6.99	0.19	-164.4	200
1425	23.14		12.5	1172	0.21	6.96	0.15	-165.1	200
1430	MW-42A-20240507-01	sample taken							

EP

Sampling Time: 1430

Sample ID: MW-42A-20240507-01 Analysis Requested: VOC Filtered Y/N: N Preservative: HCl

Additional Field Measurements

Notes:

[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.

[2] = Stabilization criteria based on three most recent consecutive measurements.

[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

ERM

Site Name: Cheektowaga
Project No.:

Monitoring Well: MW-40A	Area: St. Stans
Date: 5/7/24	Sampling Device:
Sampling Personnel: ENP	YSI Pro Quatro: FA05287
Weather Conditions: Sunny, 59°F	LaMotte Turbidity: FA06127
Time: 1110	Peri Pump: 36798

Total Depth (TD)[1]: 54.6	Screen Length (feet): 10
Depth to Water (DTW): 19.02	Well Diameter (inches): 2
Total Volume Purged (USG): 4.5 gallons	Casing Type: PVC
Average Purge Rate: 200	PID Headspace (ppm): 0.00
Tubing Type: HDPE	Measuring Point: ~~SG~~ TOC
Pump Intake (feet below MP): 50	Color: Colorless Odor: Sulfur-like odor

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
0950	19.03	Turb not taken, meter req recalibration	11.7	1196	0.82	7.39	—	-40.8	100
0955	19.16		11.9	1180	0.19	7.36	—	-95.4	200
1000	19.20		11.7	1176	0.22	7.37	4.72	-142.5	200
1005	19.21		11.9	1159	0.13	7.30	4.46	-172.8	200
1010	19.21		11.8	1149	0.18	7.28	3.48	-194.1	200
1015	19.21		12.0	1140	0.14	7.23	3.34	-217.0	200
1020	19.21		12.0	1140	0.08	7.22	3.17	-232.1	200
1025	19.22		12.0	1121	0.19	7.18	2.39	-243.0	200
1030	19.22		12.0	1110	0.17	7.16	3.20	-256.4	200
1035	19.23		12.0	1105	0.10	7.17	1.84	-264.2	200
1040	19.22		12.1	1099	0.14	7.16	2.35	-272.9	200
1045	19.22		12.1	1096	0.10	7.14	1.66	-280.6	200
1050	19.22		12.1	1087	0.12	7.13	1.76	-289.9	200
1055	19.22		12.2	1084	0.09	7.14	2.11	-297.3	200
1100	19.22		12.2	1089	0.08	7.15	1.67	-301.3	200
1105	19.22		12.2	1090	0.10	7.15	1.45	-305.8	200
1110	MW-40A-20240507-01 sample taken								

EP

Sampling Time: 1110

Sample ID: MW-40A-20240507-01 Analysis Requested: VOC Filtered Y/N: N Preservative: HCl

Additional Field Measurements

Notes:

[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.

[2] = Stabilization criteria based on three most recent consecutive measurements.

[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

ERM

Site Name: Cheektowaga
Project No.:

No bolts

Monitoring Well: MW-26	Area: Residential
Date: 5/8/24	Sampling Device:
Sampling Personnel: ENP	YSI Pro Quatro: FAD5287
Weather Conditions: Sunny, windy, 68°	LaMotte Turbidity: FAD2115
Time: 1625	Peri Pump: 44395

Total Depth (TD)[1]: 10.97	Screen Length (feet): 5
Depth to Water (DTW): 5.40	Well Diameter (inches): 2
Total Volume Purged (USG): 12 gallons	Casing Type: PVC
Average Purge Rate: 300	PID Headspace (ppm): 0.00
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): 8.5	Color: Light yellow Odor: Odorless

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
1300	6.25		12.3	1337	2.69	7.29	3.15	-19.7	300
1305	6.76		12.1	1235	3.06	7.22	3.82	-25.2	300
1310	6.91		12.0	1301	3.02	7.22	3.19	-27.3	300
1315	7.21		11.9	1421	2.72	7.31	1.13	-28.3	300
1320	7.43		11.9	1527	2.40	7.28	1.05	-29.2	300
1325	7.63		11.9	1573	2.30	7.14	1.80	-31.4	300
1330	7.76		12.0	1611	2.22	7.13	1.16	-32.1	300
1335	7.96		11.8	1644	2.23	7.22	0.72	-31.6	300
1340	7.99		11.9	1664	2.21	7.20	1.27	-29.9	300
1345	8.04		11.7	1661	2.15	7.05	0.81	-27.4	300
1350	8.15		11.8	1635	2.13	7.14	1.80	-24.1	300
1355	8.31		11.9	1560	2.08	7.19	1.50	-18.6	300
1400	8.47		11.9	1488	2.10	7.17	0.39	-14.5	300
1405	8.61		11.9	1459	2.16	7.14	1.82	-9.8	300
1410	8.666		12.0	1437	2.29	7.18	1.77	-5.5	300
1415	8.78		12.1	1426	2.41	7.17	1.21	-2.0	300
1420	8.97		12.0	1425	2.59	7.23	1.66	3.9	300
1425	9.37		12.0	1453	2.80	7.16	0.91	2.85	300
1430	9.80		12.1	1421	4.10	7.18	3.98	4.60	300
1435	9.85 (DS)		12.7	1466	11.17	7.21	over	24.6	300
1440	10.40		12.2	1541	10.90	7.22	7.40	13.2	300
1445	10.05	Battery dying	13.3	1499	9.01	7.31	over	30.4	
1450	Dead	Battery - hooked up to car battery							
1510	8.55		12.3	1590	6.59	7.26	68.2	37.1	300
1515	8.97		11.8	1512	7.30	7.22	7.55	41.8	300
1520	8.92		12.0	1535	6.81	7.30	7.47	40.5	300
1525	8.97		12.1	1575	6.53	7.25		48.4	300

Sampling Time: 1625

Sample ID: MW-26-20240508-01 **Analysis Requested:** VOC **Filtered Y/N:** N **Preservative:** TOC

Additional Field Measurements

Notes:

[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.

[2] = Stabilization criteria based on three most recent consecutive measurements.

[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

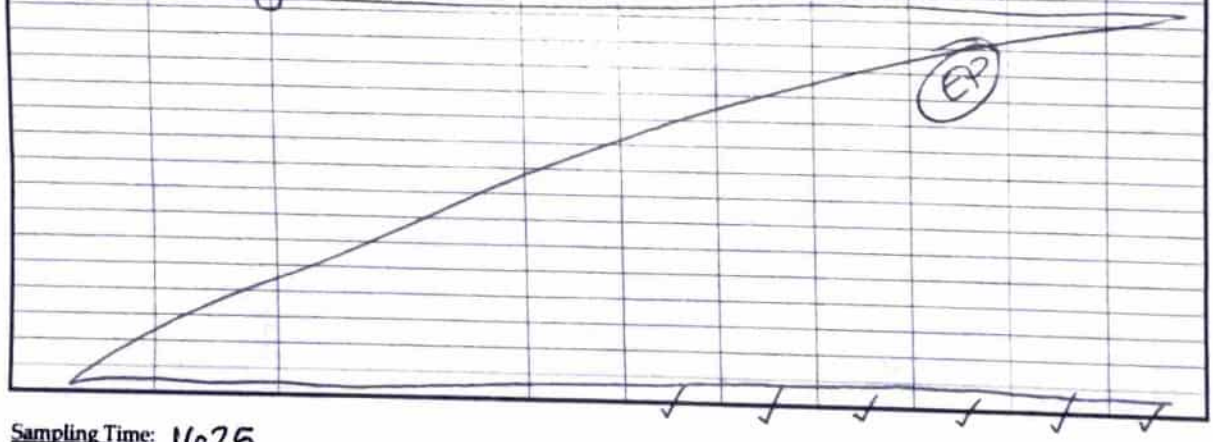
Site Name: Cheektowaga
Project No.:

ERM

Monitoring Well: MW-26	Area: Residential
Date: 5/8/24	Sampling Device:
Sampling Personnel: ENP	YSI ProQuatro: FA05287
Weather Conditions: Cloudy, windy, 68°	LaMotte Turbidity: FA02115
Time: 1625	Peri Pump: 44395

Total Depth (TD)[1]: 10.97	Screen Length (feet): 5
Depth to Water (DTW): 5.4	Well Diameter (inches): 2
Total Volume Purged (USG): 12 gallons	Casing Type: PVC
Average Purge Rate: 300	PID Headspace (ppm): 0.0
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): 8.5	Color: Light yellow Odor: odorless

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
1530	9.00		12.1	1585	6.90	7.38	6.25	54.3	300
1535	9.06		11.4	1549	7.23	7.32	3.19	56.0	300
1540	10.09		11.7	1513	9.14	7.29	99.5	-9.3	300
1545	10.11		11.9	1688	12.24	7.35	Over	19.9	300
1550	10.10		11.9	1739	12.48	7.34	83.7	30.7	300
1555	10.11		11.9	1745	12.48	7.34	56.4	47.2	300
1600	10.11		11.9	1737	11.98	7.38	22.3	54.3	300
1605	10.12		12.0	1721	12.19	7.36	11.7	58.0	300
1610	10.12		12.1	1803	12.75	7.36	7.12	63.5	300
1615	Dry								
1625	recharge sample taken MW-26-20240508-01								



Sampling Time: 1625

Sample ID: MW-26-20240508-01 **Analysis Requested:** VOC **Filtered Y/N:** N **Preservative:** HCl

Additional Field Measurements

Notes:

[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.

[2] = Stabilization criteria based on three most recent consecutive measurements.

[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

ERM

Site Name: Cheektowaga
Project No.:

Monitoring Well: MW-28A	Area: Residential
Date: 5/8/24	Sampling Device:
Sampling Personnel: ENP	YSI Pro Quatro: FA05287
Weather Conditions: Partly cloudy, 57°, breezy	LaMotte Turbidity: FA02115
Time: 1045	Peri Pump: 44395

Total Depth (TD)[1]: 34.60	Screen Length (feet): 20
Depth to Water (DTW): 5.15	Well Diameter (inches): 4
Total Volume Purged (USG): 5gallons	Casing Type: ~~PVC~~ Steel
Average Purge Rate: ~~5~~ 2000	PID Headspace (ppm): 0.40
Tubing Type: HDPE	Measuring Point: ~~25~~ TOC
Pump Intake (feet below MP): 25	Color: Light yellow Odor: Odorless

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm³) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
0920	5.95		12.7	854	3.21	7.61	41.3	-12.5	300
0925	6.59		12.8	834	2.94	7.63	40.1	-8.0	200
0930	6.84		12.8	834	3.22	7.65	44.7	-2.2	200
0935	7.22		12.8	833	3.17	7.57	34.3	11.9	200
0940	7.57		12.8	833	3.22	7.61	42.0	12.3	200
0945	8.03		12.9	832	3.10	7.60	74.3	11.4	200
0950	8.46		12.9	833	3.08	7.64	68.0	19.9	200
0955	9.02		13.0	832	3.02	7.65	85.0	22.2	200
1000	9.34		13.0	831	2.89	7.65	92.0	28.4	200
1005	9.79		12.9	831	2.86	7.67	94.0	54.0	200
1010	10.20		13.0	830	2.72	7.66	117.0	38.1	200
1015	10.85		13.0	830	2.70	7.67	92.9	56.4	200
1020	11.20		13.0	830	2.62	7.61	80.4	60.9	200
1025	11.99		13.0	830	2.39	7.76	63.3	65.3	200
1030	12.39		13.1	830	2.35	7.74	53.0	63.6	200
1035	12.65		13.1	830	2.33	7.66	53.0	63.6	200
1040	13.14		13.1	831	2.32	7.67	53.6	71.5	200
1045	MW-28A-20240508-01	sample taken							

EP

Sampling Time: 1045

Sample ID: MW-28A-20240508-01 Analysis Requested: VOC Filtered Y/N: N Preservative: HCl

Additional Field Measurements

MS/MSD

Notes:

[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.

[2] = Stabilization criteria based on three most recent consecutive measurements.

[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

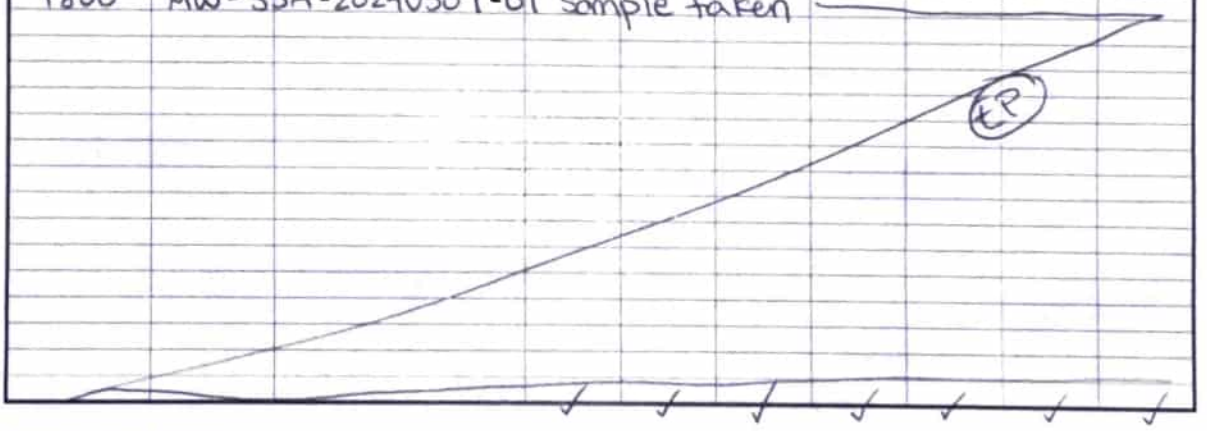
ERM

Site Name: Cheektowaga
Project No.:

Monitoring Well: MW-35A	Area: On-site
Date: 5/7/24	Sampling Device:
Sampling Personnel: ENP	YSI Pro Quatro: FA05287
Weather Conditions: Partly cloudy, 75°	LaMotte Turbidity: FA06127
Time: 1800	Peri Pump: 36 P78

Total Depth (TD)[1]: 30.89	Screen Length (feet): 10
Depth to Water (DTW): 10.35	Well Diameter (inches): 2
Total Volume Purged (USG): 3.5	Casing Type: PVC
Average Purge Rate: 250	PID Headspace (ppm): 0.00
Tubing Type: HDPE	Measuring Point: ~~TOC~~ TOC
Pump Intake (feet below MP): 26	Color: Light yellow Odor: Odorless

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
1705	10.35		14.8	1437	1.77	7.19	7.91	-75.3	300
1710	11.05		11.7	754	2.03	7.32	7.14	-25.0	300
1715	11.00		12.3	799	1.69	7.20	8.89	-7.6	120
1720	11.05		11.7	819	1.05	7.13	3.31	-5.6	250
1725	11.05		11.8	877	1.48	7.08	2.60	5.8	250
1730	11.08		11.7	930	1.32	7.05	1.55	10.5	250
1735	11.08		11.7	987	1.25	7.04	1.32	15.1	250
1740	11.10		11.7	1016	1.13	7.04	0.43	17.2	250
1745	11.10		11.6	1052	1.02	7.04	1.02	18.9	250
1750	11.10		11.5	1071	0.95	7.03	0.38	19.7	250
1755	11.10		11.6	1082	0.94	7.03	0.45	21.3	250
1800	MW-35A-20240507-01 sample taken								



Sampling Time: 1800

Sample ID: MW-35A-20240507-01 Analysis Requested: VOC Filtered Y/N: N Preservative: HCl

Additional Field Measurements

Notes:

[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.

[2] = Stabilization criteria based on three most recent consecutive measurements.

[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

N

Low-Flow Groundwater Sampling Form

ERM

Site Name: Cheektowaga
Project No.:

Monitoring Well: MW-26A	Area: Residential
Date: 5/8/24	Sampling Device:
Sampling Personnel: ENP	YSI Pro Quatro: FA05287
Weather Conditions: Partly cloudy, 66°	LaMotte Turbidity: FA0215
Time: 1845	Peri Pump: 44395

Total Depth (TD)[1]: 34.39	Screen Length (feet): 17.5
Depth to Water (DTW): 2.89	Well Diameter (inches): 4
Total Volume Purged (USG): 7 gallons	Casing Type: steel
Average Purge Rate: 300	PID Headspace (ppm): 0.0
Tubing Type: HDPE	Measuring Point: ~~26.25~~ TOC
Pump Intake (feet below MP): 25.25	Color: Light yellow Odor: odorless

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
1640	3.91		12.6	429.1	3.71	8.42	over	-232.8	400
1645	4.19		12.9	426.2	3.08	8.43	107.4	-245.3	300
1650	5.01		12.9	442.1	2.76	8.33	over	-248.3	300
1655	5.57		12.9	441.5	2.69	8.19	73.3	-249.1	300
1700	5.78		12.8	442.0	2.58	8.15	65.5	-240.9	300
1705	6.31		12.8	438.7	2.52	8.15	71.6	-236.9	300
1710	6.97		12.8	435.5	2.42	8.15	50.3	-229.7	300
1715	7.24		12.7	437.2	2.38	8.15	45.6	-227.7	300
1720	7.73		12.8	442.5	2.35	8.13	45.0	-231.3	300
1725	8.67		12.7	422.0	2.31	8.18	41.5	-202.0	300
1730	8.90		12.7	423.3	2.30	8.06	41.5	-195.3	300
1735	9.15		12.8	422.3	2.25	8.16	36.2	-192.1	300
1740	9.70		12.9	417.9	2.09	8.14	38.8	-182.6	300
1745	10.11		12.7	419.0	2.08	8.07	36.6	-173.6	300
1750	10.58		12.7	418.9	2.10	8.12	37.0	-166.1	300
1755	11.05		12.7	416.5	2.09	8.26	35.5	-158.1	300
1800	11.46		12.9	415.9	2.16	8.24	35.9	-150.9	300
1805	11.83		12.8	413.5	2.16	8.19	32.0	-143.7	300
1810	12.18		12.9	414.5	2.15	8.03	31.3	-137.8	300
1815	12.52		13.0	414.3	2.14	8.17	30.7	-127.4	300
1820	12.83		12.9	414.9	2.17	8.13	28.2	-120.3	300
1825	13.25		13.0	414.2	2.16	8.11	29.3	-116.9	300
1830	13.66		13.0	415.7	2.14	8.19	27.6	-109.7	300
1835	14.09		12.9	415.2	2.22	8.16	26.5	-104.2	300
1840	14.37		12.9	416.0	2.18	8.11	25.7	-101.8	300
1845	MW-26A-20240508-01	sample taken						(FP)	

Sampling Time: 1845

Sample ID: MW-26A-20240508-01

Analysis Requested: VOC

Filtered Y/N: N

Preservative: HCl

Additional Field Measurements

Notes:

[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.

[2] = Stabilization criteria based on three most recent consecutive measurements.

[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

ERM

Site Name: Cheektowaga
Project No.:

Monitoring Well: MW-47	Area: on site
Date: 05/08/2024	Sampling Device: YSI: FA01787
Sampling Personnel: EP	Turb: FA03026
Weather Conditions: sunny; 62°; wind SW 10mph	Peri pump: 10569
Time: 1005	

Total Depth (TD)[1]: 14.34	Screen Length (feet): 10
Depth to Water (DTW): 1.53	Well Diameter (inches): 2
Total Volume Purged (USG): 3	Casing Type: PVC
Average Purge Rate: 200	PID Headspace (ppm): 3.8
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): 5	Color: Clear Odor: Organic

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
1010	1.75	DO: 0.68	10.4	1377	[illegible]	6.93	123 AM	107.2	200
1015	2.58		10.2	1377	0.30	6.94	33.8	77.7	200
1020	2.84	DO: 0.26	10.2	1378	[illegible]	6.94	13.9	72.4	200
1025	3.19		10.3	1376	0.25	6.95	8.97	69.4	200
1030	3.39		10.2	1378	0.23	6.95	6.79	64.6	200
1035	3.58		10.2	1378	0.23	6.94	6.12	59.2	200
1040	3.69		10.3	1377	0.23	6.93	5.17	53.5	200
1045	3.68		10.4	1375	0.22	6.94	7.58	46.0	200
1050	3.60		10.4	1375	0.24	6.94	9.66	40.6	200
1055	3.52		10.5	1374	0.23	6.92	10.36	36.7	200
1100	3.50		10.3	1377	0.25	6.91	23.6	32.3	200
1105	3.60		10.4	1372	0.24	6.93	11.6	30.6	200
1110	3.68		10.4	1372	0.25	6.91	8.25	28.6	200
1115	3.73		10.4	1374	0.25	6.90	8.25	23.8	200
1120	3.80		10.4	1386	0.19	6.91	9.00	19.6	200

Sampling Time: 1125

Sample ID:	Analysis Requested:	Filtered Y/N:	Preservative:
MW-47-20240508-01	VOC	N	HCl

Additional Field Measurements

None

Notes:

[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.

[2] = Stabilization criteria based on three most recent consecutive measurements.

[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

ERM

Site Name: Cheektowaga
Project No.:

Monitoring Well: MW-14	Area: on site
Date: 05/08/2024	Sampling Device: YSI: FA01787
Sampling Personnel: EP	Turb: FA03026
Weather Conditions: sunny, 65°; wind SW 10mph	Peripump: 105169
Time: 1305	

Total Depth (TD)[1]: 10.73	Screen Length (feet): 2
Depth to Water (DTW): 2.95	Well Diameter (inches): 2
Total Volume Purged (USG): 6	Casing Type: PVC
Average Purge Rate: 200	PID Headspace (ppm): 0.0
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): 8.5	Color: clear Odor: organic

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
1305	3.33		10.1	704	0.51	7.82	156	-73.4	300
1310	5.54		9.6	682	0.16	7.82	64.9	-113.8	300
1315	6.43		10.0	757	0.15	7.64	31.9	-94.0	200
1320	6.89		10.0	784	0.14	7.58	22.2	-90.8	200
1325	7.30		10.0	823	0.14	7.51	19.3	-85.4	200
1330	7.65		10.0	874	0.15	7.43	11.9	-80.9	200
1335	7.95		9.8	877	0.15	7.41	11.7	-79.2	200
1340	8.08		9.9	915	0.18	7.32	11.6	-74.8	200
1345	8.26		9.8	936	0.19	7.30	9.57	-72.7	200
1350	8.39		10.0	958	0.19	7.30	8.51	-72.4	200
1355	8.52		10.0	981	0.20	7.28	7.91	-72.7	200
1400	8.60		9.9	1014	0.20	7.27	6.55	-71.2	200
1405	8.67		9.9	1050	0.20	7.24	5.59	-69.4	200
1410	8.69		9.9	1097	0.20	7.23	4.28	-69.3	200
1415	8.80		10.0	1152	0.21	7.20	3.86	-69.0	200
1420	8.78		10.0	1173	0.21	7.19	3.96	-69.0	200
1425	8.87		10.0	1226	0.22	7.17	3.24	-69.7	200
1430	8.90		10.0	1286	0.23	7.15	6.71	-65.9	200
1435	8.95		9.9	1287	0.25	7.15	3.75	-66.2	200
1440	9.01		10.0	1307	0.32	7.14	2.56	-62.0	200

Sampling Time: 1445

Sample ID:	Analysis Requested:	Filtered Y/N:	Preservative:
MW-14-20240508-01	VOCs	N	HCl

Additional Field Measurements

None

Notes:

[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.

[2] = Stabilization criteria based on three most recent consecutive measurements.

[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

Site Name: Chattanooga
Project No.:

ERM

Monitoring Well: MW-6A	Area: on site
Date: 05/08/24	Sampling Device: YSI : FA01787
Sampling Personnel: EP	Turb : FA03026
Weather Conditions: cloudy, 60's; wind WSW 10mph	Peripump : 10569
Time: 1530	

Total Depth (TD)[1]: 21.15	Screen Length (feet): 20.1
Depth to Water (DTW): 10.65	Well Diameter (inches): 4
Total Volume Purged (USG): 4.0	Casing Type: metal
Average Purge Rate: 200	PID Headspace (ppm): 0.0
Tubing Type: HDPE+LDPE	Measuring Point: TOC
Pump Intake (feet below MP): 14.9	Color: clear Odor: none

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
1550	10.78		11.7	1398	0.32	7.09	7.99	151.0	300
1555	10.75		11.7	1401	0.21	7.09	3.28	111.5	200
1600	10.78		11.5	1401	0.19	7.09	4.18	89.9	200
1605	10.79		11.9	1400	0.17	7.09	3.26	67.9	200
1610	10.80		12.0	1400	0.16	7.09	3.60	46.2	200
1615	10.79		12.1	1403	0.14	7.09	3.08	30.3	200
1620	10.80		12.2	1403	0.14	7.09	2.51	17.9	200
1625	10.80		12.0	1404	0.15	7.09	3.94	9.0	200
1630	10.80		12.5	1402	0.15	7.09	2.53	-1.0	200
1635	10.80		12.6	1403	0.12	7.09	4.31	-6.8	200
1640	10.80		12.5	1403	0.13	7.08	1.92	-12.2	200
1645	10.80		12.4	1403	0.15	7.09	2.88	-15.7	200
~~1650~~									

EP Ramos

Sampling Time: 1650

Sample ID: MW-6A-20240508-01

Analysis Requested: VOCs

Filtered Y/N: N

Preservative: HCl

Additional Field Measurements: DUP-02

Notes:

[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.

[2] = Stabilization criteria based on three most recent consecutive measurements.

[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

ERM

Site Name: Cheektowaga
Project No.:

Monitoring Well: MW-41A	Area: St. Stans
Date: 5/7/24	Sampling Device:
Sampling Personnel: ENP	YSI P.O Quatro: FA05287
Weather Conditions: Sunny, 67°	LaMotte Turbidity: FA06127
Time:	Peri Pump: 36778

Total Depth (TD)[1]: —	Screen Length (feet): 5
Depth to Water (DTW): ~~9.53 16:12~~ 9.53	Well Diameter (inches): 2
Total Volume Purged (USG): —	Casing Type: PVC
Average Purge Rate: —	PID Headspace (ppm): 0.0
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): 5.5	Color: Clear Odor: —

Time: (min)	DTW: (feet)	Comments:	Temp (°C)	SpC (uS/cm³)	DO (mg/L)	pH (std units)	Turb NTU	ORP mV	Flow (mL/min)
Stabilization Criteria[2]			+/- 3%	+/- 3%	+/- 10%	+/- 0.1 unit	+/- 10%[3]	+/- 10 mV	100-400
1155	9.53	Dry 3" water in well, couldnt fill YSI Waiting on recharge to collect sample							
9:00	9.55	Recharge Sample collected on 5/8/2024							

5/8/2024
AB

Sampling Time: 09:00

Sample ID:	Analysis Requested:	Filtered Y/N:	Preservative:
MW-41-20240508-01	VOC	N	HCL

Additional Field Measurements

Notes:
[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
[2] = Stabilization criteria based on three most recent consecutive measurements.
[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

A- deep
taller. Shallow

Low-Flow Groundwater Sampling Form

ERM

Site Name: Cheektowaga
Project No.:

Monitoring Well: MW-43A	Area:
Date: 5/8/24	Sampling Device: St. Stans / Monsoon Pump Controller 217552, Pine TM-FA03811, eco
Sampling Personnel: ENP / AB	YSI - FA02684
Weather Conditions: Sun, 57°F	MONSOON -47620, Pine
Time: 9:20	

Total Depth (TD)[1]:	Screen Length (feet): 10
Depth to Water (DTW): 32.31	Well Diameter (inches): 2.0
Total Volume Purged (USG): 5.0	Casing Type: PVC
Average Purge Rate: 200	PID Headspace (ppm): 0.0
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): 80	Color: clear Odor: -

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
9:45	32.45		11.6	1460	3.42	7.27	3.92	-82.2	200
9:50	32.53		11.9	1458	1.88	7.28	1.75	-157.5	200
9:55	32.55		11.8	2228	1.39	6.75	0.75	-296.5	200
10:00	32.55		11.9	2523	1.05	6.75	0.78	-337.2	200
10:05	32.58		12.0	2548	0.84	6.77	0.81	-346.0	200
10:10	32.59		12.0	2569	0.91	6.77	0.80	-352.1	200
10:15	32.62		12.0	2574	0.93	6.76	0.79	-351.4	200

5/8/2024
AB

Sampling Time: 10:15

Sample ID: MW-43A-20240508-01

Analysis Requested: VOC

Filtered Y/N: N

Preservative: HCL

Additional Field Measurements

Notes:

[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.

[2] = Stabilization criteria based on three most recent consecutive measurements.

[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

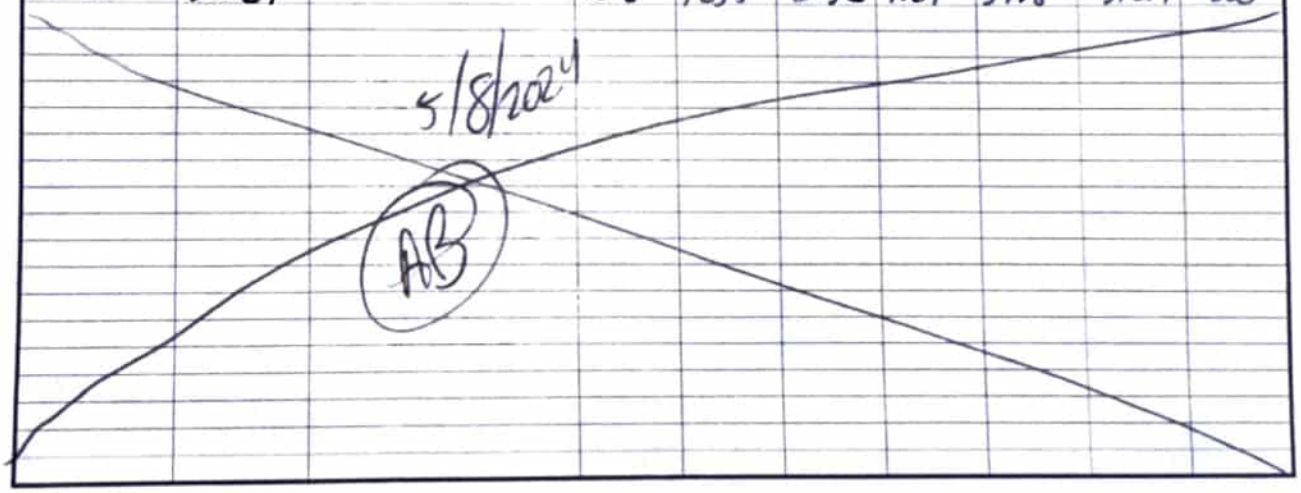
ERM

Site Name: Cheektowaga
Project No.:

Monitoring Well: MW-44A	Area: St. Stans
Date: 5/8/24	Sampling Device: monsoon Pump
Sampling Personnel: AB	TM- FA03811, eCO
Weather Conditions: Sun, 61°F	YSI- FA02684, eCO
Time: 10:30	monsoon-47620, Pine controller-217552 Pine

Total Depth (TD)[1]:	Screen Length (feet): 10'
Depth to Water (DTW):	Well Diameter (inches): 2.0
Total Volume Purged (USG): 5.0	Casing Type: PVC
Average Purge Rate: 200	PID Headspace (ppm): 0.0
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): ~~0.5'~~ 0.5'	Color: Clear Odor: —

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
10:50	30.63		12.2	1470	1.36	7.16	OR	-214.0	200
10:55	31.08		12.2	1353	0.83	7.12	OR	-229.2	200
11:00	30.08		12.6	1267	0.57	7.07	103.2	-760.5	200
11:05	29.98		12.6	1242	0.51	7.04	51.3	-294.0	200
11:10	30.01		12.7	1248	1.25	7.03	41.3	-295.7	200
11:15	30.08		12.7	1252	0.47	7.02	45.6	-302.0	200
11:20	30.13		12.6	1254	0.38	7.02	35.7	-305.8	200
11:25	30.22		12.6	1256	0.33	7.01	35.1	-309.1	200
11:30	30.24		12.6	1255	0.32	7.01	34.8	-312.4	200



Sampling Time: 11:30

Sample ID: MW-44A-20240508-01

Analysis Requested: VOC

Filtered Y/N: N

Preservative: HCL

Additional Field Measurements

DUP collected
Sample ID: STANS-DUP-20240508-01 Time: 1200

Notes:

[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.

[2] = Stabilization criteria based on three most recent consecutive measurements.

[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

ERM

Site Name: Cheektowaga
Project No.:

Monitoring Well: MW-45A	Area: St. Stans
Date: 5/8/24	Sampling Device: Peri pump - 36778 fine
Sampling Personnel: ENP/AB	TM-FA03811, ECO
Weather Conditions: 63, sun/wind	YSI-FA02684, ECO
Time: 1320	

Total Depth (TD)[1]:	Screen Length (feet): 10
Depth to Water (DTW): 19.62	Well Diameter (inches): 2.0
Total Volume Purged (USG): 2.0	Casing Type: PVC
Average Purge Rate: 200	PID Headspace (ppm): 0.0
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): 50	Color: Clear Odor: —

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
1325	19.73		13.1	1094	3.66	7.29	14.6	-65.8	200
1330	19.73		13.1	1090	3.52	7.21	14.7	-71.0	200
1335	19.73		13.1	1097	3.56	7.18	5.85	-71.1	200
1340	19.73		13.1	1222	1.01	6.93	4.92	-143.8	200
1345	19.73		13.1	1249	0.46	6.92	3.84	-161.8	200
1350	19.73		13.2	1250	0.44	6.92	3.67	-168.1	200
1355	19.73		13.2	1253	0.43	6.92	3.54	-170.1	200

AB 5/8/2024

Sampling Time: 13:55

Sample ID: MW-45A-20240508-01

Analysis Requested: VOC

Filtered Y/N: N

Preservative: HCL

Additional Field Measurements

Notes:

[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.

[2] = Stabilization criteria based on three most recent consecutive measurements.

[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

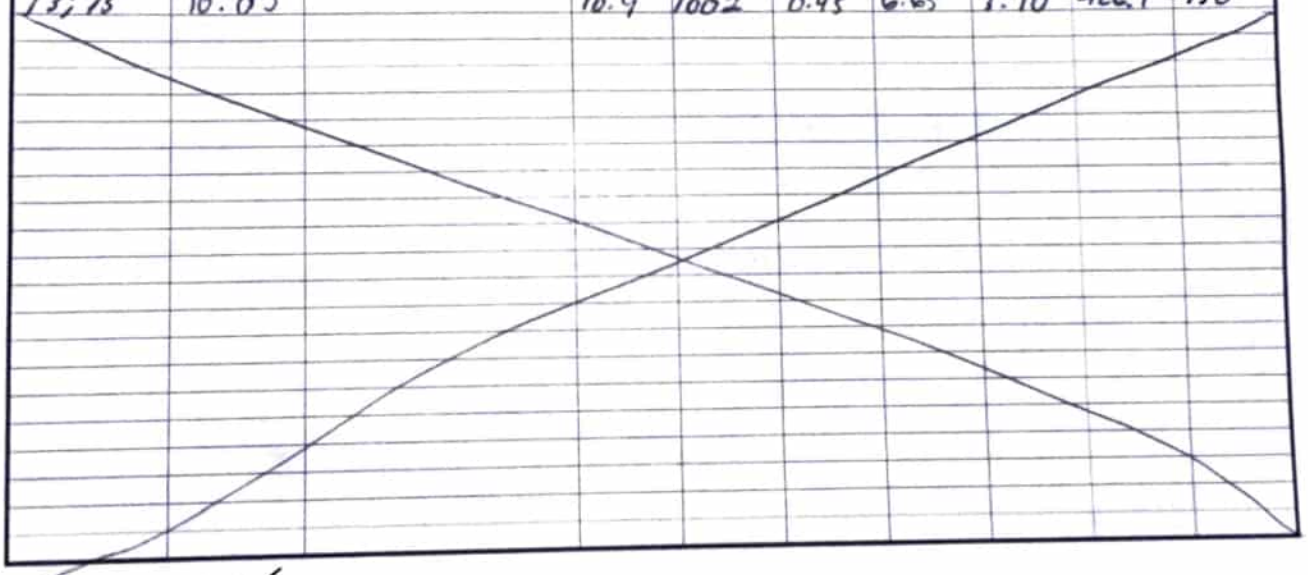
ERM

Site Name: Cheektowaga
Project No.:

Monitoring Well: MW-44	Area: St. Stans
Date: 5/8/2024	Sampling Device: Peri pump - 36778 pine
Sampling Personnel: AB	TM - FA03811, eco
Weather Conditions: Sun, 63°F	YSI - FA02684, eco
Time: 1230	

Total Depth (TD)[1]:	Screen Length (feet): 5
Depth to Water (DTW): 8.34	Well Diameter (inches): 2.0
Total Volume Purged (USG): 2.0	Casing Type: PVC
Average Purge Rate: 150	PID Headspace (ppm): 0.0
Tubing Type: LDPE	Measuring Point: TOC
Pump Intake (feet below MP): 0.5'	Color: Clear Odor: -

Time: (min)	DTW: (feet)	Comments:	Temp (°C)	SpC (uS/cm)	DO (mg/L)	pH (std units)	Turb NTU	ORP mV	Flow (mL/min)
Stabilization Criteria[2]			+/- 3%	+/- 3%	+/- 10%	+/- 0.1 unit	+/- 10%[3]	+/- 10 mV	100-400
12:45	8.48		13.2	1087	2.38	6.77	29.7	-119.5	150
12:50	8.76		11.0	997	0.83	6.66	5.23	-120.0	150
12:55	9.11		10.7	981	0.74	6.70	4.87	-123.2	150
13:00	9.34		11.2	996	0.47	6.68	3.24	-129.7	150
13:05	9.54		10.9	1000	0.42	6.66	3.16	-129.2	150
13:10	9.80		10.9	1003	0.43	6.65	3.08	-128.0	150
13:15	10.03		10.9	1002	0.45	6.65	3.10	-126.7	150



Sampling Time: 13:15

Sample ID: MW-44-20240508-01

Analysis Requested: VOC

Filtered Y/N: N

Preservative: ACL

Additional Field Measurements

Notes:

[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.

[2] = Stabilization criteria based on three most recent consecutive measurements.

[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

ERM

Site Name: Cheektowaga
Project No.:

Monitoring Well: MW-33A	Area: St. Stans
Date: 5/8/24	Sampling Device: Monsoon pump - 47620, pine Tm - FA0381, eco YSI FA02684, eco Controller 217552, pine
Sampling Personnel: AB	
Weather Conditions: Cloud, 60°F	
Time: 15:00	

Total Depth (TD)[1]: —	Screen Length (feet): 10
Depth to Water (DTW): 19.20	Well Diameter (inches): 2.0
Total Volume Purged (USG): 3.0	Casing Type: PVC
Average Purge Rate: 228.57	PID Headspace (ppm): 0.0
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): 0.5'	Color: ~~Clear~~ Brown Odor: None

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
15:25	19.27		13.0	1274	0.49	7.16	OR	-198.7	300
15:30	21.48		13.0	1272	0.42	7.15	74.1	-230.6	300
15:35	22.54		13.1	1274	0.42	7.16	57.8	-267.4	200
15:40	23.57		12.9	1274	0.38	7.16	54.3	-290.3	200
15:45	25.06		13.3	1272	0.34	7.16	52.2	-303.9	200
15:50	26.40		13.4	1271	0.36	7.16	51.8	-311.5	200
15:55	27.76		13.6	1270	0.29	7.16	48.9	-311.8	200

5/8/2024
AB

Sampling Time: 15.55

Sample ID: MW-33A-20240508-01

Analysis Requested: VOC

Filtered Y/N: N

Preservative: HCL

Additional Field Measurements

Notes:

[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.

[2] = Stabilization criteria based on three most recent consecutive measurements.

[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

ERM

Site Name: Cheektowaga
Project No.:

Monitoring Well: MW-53	Area: Onsite
Date: 5/6/24	Sampling Device: Peristaltic pump #10569
Sampling Personnel: O. Botsino	YSI Pro Quatro SN# 15C101328
Weather Conditions: 67°, sunny, wind NNW 7 mph	LaMotte turbidity meter 2020we SN# 3A02115
Time: 1620	Heron dipper-T SN# A023547

Total Depth (TD)[1]: 9.79 (08)	Screen Length (feet): 5
Depth to Water (DTW): 4.38	Well Diameter (inches): 2
Total Volume Purged (USG): 4.5	Casing Type: PVC
Average Purge Rate: 125 to 150	PID Headspace (ppm): 0.0
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP):	Color: None Odor: None

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
1632	4.78		11.3	1417	2.33	6.65	6.92	108.8	150
1637	5.23		10.5	1385	1.41	6.74	7.27	93.1	150
1642	5.53		10.6	1370	1.36	6.75	3.52	92.2	150
1647	5.85		10.6	1370	1.52	6.74	5.40	19.7	150
1652	6.32		10.5	1373	1.29	6.73	22.9	58.8	150
1657	7.00		10.5	1379	1.07	6.75	21.7	67.8	150
1702	7.43		10.2	1391	1.06	6.78	13.4	72.1	150
1707	7.85		10.2	1387	1.03	6.79	10.25	45.0	150
1712	8.37		10.1	1388	0.91	6.81	8.86	15.9	150
1717	8.61		10.2	1388	0.86	6.82	12.64	-1.3	150
1722	8.87		10.1	1394	0.79	6.84	28.7	-9.6	125
1727	9.17		10.1	1398	0.71	6.85	1866AN	-14.6	125
1732 (08)	9.50		10.1	1401	0.65	6.87	56.6	-21.0	125
1736		well went dry							

Sampling Time: 1750

Sample ID: MW-53-20240506-01 Analysis Requested: 8260C-TCL VOCs Filtered Y/N: N Preservative: HCL

Additional Field Measurements

Notes:

[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.

[2] = Stabilization criteria based on three most recent consecutive measurements.

[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

ERM

Site Name: Cheektowaga
Project No.:

Monitoring Well: MW-36	Area: on site
Date: 05/07/2024	Sampling Device: YSI: FA01787
Sampling Personnel: EP	Turb: FA03811
Weather Conditions: Sunny, 75°	Peripump: 44395
Time: 1245	

Total Depth (TD)[1]: 7.65	Screen Length (feet): 5
Depth to Water (DTW): 7.10	Well Diameter (inches): 2
Total Volume Purged (USG): 1	Casing Type: PVC
Average Purge Rate: 200	PID Headspace (ppm): 0.0
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): 3.1	Color: Clear Odor: none

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
1245	7.21		11.5	727	5.59	6.98	18.5	240.5	200
1250	7.35		11.7	725	3.82	7.22	3.95	241.1	200
1255	7.60		11.8	726	3.83	7.67	24.3	241.3	200
~~1300~~									
1305									
1310									

Ran dry at 1259
Will pull samples after recharge
EP 5/9

Sampling Time: 18:00

Sample ID:	Analysis Requested:	Filtered Y/N:	Preservative:
MW-36-20240508-01	VOCs	N	HCl

Additional Field Measurements

Notes:

[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.

[2] = Stabilization criteria based on three most recent consecutive measurements.

[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

ERM

Site Name: Chattanooga
Project No.:

Monitoring Well: MW-39	Area: on Site
Date: 05/07/24	Sampling Device: 451 : FA01787
Sampling Personnel: EP	Turb: FA03811
Weather Conditions: Sunny, 72°, NNE2mph	Peri pump: 44395
Time: 1315	

Total Depth (TD)[1]: 7.30	Screen Length (feet): —
Depth to Water (DTW): 6.90	Well Diameter (inches): 2
Total Volume Purged (USG): 2	Casing Type: PV
Average Purge Rate: 200	PID Headspace (ppm): 0.0
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): 6'	Color: — Odor: —

Time: (min)	DTW: (feet)	Comments:	Temp (°C)	SpC (uS/cm)	DO (mg/L)	pH (std units)	Turb NTU	ORP mV	Flow (mL/min)
Stabilization Criteria[2]			+/- 3%	+/- 3%	+/- 10%	+/- 0.1 unit	+/- 10%[3]	+/- 10 mV	100-400
1320	7.02		11.3	734	3.76	7.5	106.7	216.5	200

Ran dry at 1322, will pull sample after recharge

Sampling Time: 9:40

Sample ID:	Analysis Requested:	Filtered Y/N:	Preservative:
MW-39-20240509-01	VOCs	N	HCl

Additional Field Measurements

Notes:

[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.

[2] = Stabilization criteria based on three most recent consecutive measurements.

[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

ERM

Site Name:
Project No.: 0709858

Monitoring Well: MW-25A	Area: Offsite - Residential
Date: 5/8/24	Sampling Device: Peristaltic pump
Sampling Personnel: O. Bottino	YSI Pro Quatro SN# 21H104798
Weather Conditions: 65°, partly cloudy, wind WSW 16 mph	Lamotte turbidimeter S.N# IA02115
Time: 1610	Heron water level SN# A04257

Total Depth (TD)[1]: 34.05	Screen Length (feet): 17.5
Depth to Water (DTW): 5.14	Well Diameter (inches): 4
Total Volume Purged (USG): 6.0	Casing Type: Steel
Average Purge Rate: 200	PID Headspace (ppm): 0.0
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): 32	Color: yellow Odor: chemical-like

Time: (min)	DTW: (feet)	Comments:	Temp (°C)	SpC (uS/cm)	DO (mg/L)	pH (std units)	Turb NTU	ORP mV	Flow (mL/min)
Stabilization Criteria[2]			+/- 3%	+/- 3%	+/- 10%	+/- 0.1 unit	+/- 10%[3]	+/- 10 mV	100-400
1621	(a) 5.15		11.9	681	6.34	7.99	22.0	-118.6	200
1626	5.14		11.8	2928	0.68	7.85	33.1	-167.1	200
1631	5.15		12.0	2864	0.35	7.87	37.5	-196.6	200
1636	5.15		12.0	2845	0.31	7.88	42.3	-208.5	200
1641	5.16		12.2	806	0.23	6.99	35.4	-206.9	200
1646	5.15		12.3	966	0.18	7.04	41.2	-236.8	200
1651	5.14		12.2	985	0.18	7.05	28.5	-253.9	200
1656	5.15		12.1	982	0.12	7.06	37.1	-259.7	200
(a) 1701	5.15		12.3	982	0.13	7.04	37.6	-267.7	200
1706	5.15		12.2	984	0.15	7.01	38.3	-272.9	200
1711	5.15		12.2	981	0.12	6.99	38.0	-282.4	200
1716	5.15		12.2	983	0.14	6.98	37.7	-293.1	200
1721	5.15		12.2	981	0.16	6.99	34.6	-300.7	200
1726	5.15		12.2	985	0.13	6.98	30.8	-305.5	200
1731	5.15		12.2	983	0.14	6.97	28.4	-308.5	200
1736	5.14		12.2	985	0.15	6.98	26.4	-310.2	200
1741	5.15		12.2	984	0.14	6.97	25.9	-311.4	200

S Bottino 5/8/24

Sampling Time: 1745

Sample ID: MW-25A-20240508-01 (dup)

Analysis Requested: 8260C-TCL VOCs

Filtered Y/N: N

Preservative: HCL

Additional Field Measurements

Notes:

[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.

[2] = Stabilization criteria based on three most recent consecutive measurements.

[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

ERM

Site Name: Cheektowaga
Project No.:

Monitoring Well: MW-25	Area: Residential
Date: 05/09/2024	Sampling Device: YSI: FAQ5987
Sampling Personnel: EP	Turb: FAQ2115
Weather Conditions: sunny, 51°, Wind NE 3mph	Peripump: 25157
Time: 0840	

Total Depth (TD)[1]: 10.59	Screen Length (feet): 5
Depth to Water (DTW): 4.11	Well Diameter (inches): 2
Total Volume Purged (USG): 4.0	Casing Type: PVC
Average Purge Rate: 200	PID Headspace (ppm):
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): 6	Color: clear Odor: none

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm³) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
0845	4.62		11.4	1080	4.39	6.59	11.4	196.9	300
0850	6.29		11.3	1043	3.42	6.66	4.31	160.5	300
0855	6.15		11.5	686	4.21	6.70	5.68	143.3	200
0900	6.20		11.4	914	4.69	6.71	3.16	127.2	200
0905	6.35		11.4	958	4.55	6.74	2.05	116.7	200
0910	6.69		11.4	985	4.42	6.77	1.87	105.9	200
0915	6.98		11.3	1021	4.12	6.80	1.65	97.4	200
0920	7.30		11.3	1050	3.74	6.84	1.29	88.8	200
0925	7.55		11.3	1065	3.47	6.87	1.21	83.3	200
0930	7.80		11.3	1085	3.16	6.89	1.45	77.3	200
0935	8.06		11.3	1082	2.77	6.91	0.96	71.2	200

Sampling Time: 0945

Sample ID: MW-25-20240509-01

Analysis Requested: VOCs

Filtered Y/N: N

Preservative: HCl

Additional Field Measurements: none

Notes:

[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.

[2] = Stabilization criteria based on three most recent consecutive measurements.

[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

ERM

Site Name:
Project No.: 0709858

Monitoring Well: MW-27	Area: Offsite - Residential
Date: 5/8/24	Sampling Device: Peristaltic pump
Sampling Personnel: O. Botting	YSI Pro Quatro SN# 21H104798
Weather Conditions: 68°, partly cloudy, wind WSW 19 mph	LaMotte turbidimeter SN# [illegible]2115
Time: 1415	Heron Water level SN# A05247

Total Depth (TD)[1]: 11.11	Screen Length (feet): —
Depth to Water (DTW): 6.65	Well Diameter (inches): 2
Total Volume Purged (USG): 4.5	Casing Type: PVC
Average Purge Rate: 120 to 200	PID Headspace (ppm): 0.0
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): 10	Color: None Odor: None

Time: (min)	DTW: (feet)	Comments:	Temp (°C)	SpC (uS/cm)	DO (mg/L)	pH (std units)	Turb NTU	ORP mV	Flow (mL/min)
Stabilization Criteria[2]			+/- 3%	+/- 3%	+/- 10%	+/- 0.1 unit	+/- 10%[3]	+/- 10 mV	100-400
1423	6.93		13.0	1507	3.40	7.33	10.42	27.7	200
1428	7.49		11.9	1350	3.70	7.28	3.54	34.0	150
1433	7.76		12.2	1293	3.89	7.31	1.44	40.8	150
1438	7.95		12.1	1348	3.47	7.22	1.03	44.8	150
1443	8.12		12.2	1386	3.03	7.28	1.48	42.2	120
1448	8.25		12.5	1452	2.62	7.29	0.90	40.4	120
1453	8.34		12.6	1503	2.49	7.30	1.26	40.0	150
1458	8.53		11.7	1702	2.46	7.22	2.33	41.1	200
(d) 1503	8.63		11.8	1777	2.25	7.14	1.43	42.2	200
1508	8.75		11.6	1838	2.12	7.24	0.67	42.1	150
1513	8.89		11.6	1849	2.07	7.29	0.75	40.9	150
1518	9.10		11.4	1873	2.06	7.29	1.49	42.4	150

Shia Tso
5/8/24

Sampling Time: 1520

Sample ID:	Analysis Requested:	Filtered Y/N:	Preservative:
MW-27-20240508-01	8260C-TCL VOCs	N	HCL

Additional Field Measurements

Car running ~15 Ft away

Notes:

[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.

[2] = Stabilization criteria based on three most recent consecutive measurements.

[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

ERM

Site Name: Cheektowaga
Project No.:

Monitoring Well: MW-34A	Area: Onsite
Date: 5/7/24	Sampling Device:
Sampling Personnel: AH	YSI Pro Plus (18K100430)
Weather Conditions: ~~5/7/24~~ Sun, 78°	turbidity (FA03011)
Time: 15:40	Pump - 25157

Total Depth (TD)[1]: 40.10	Screen Length (feet): 10
Depth to Water (DTW): 13.53	Well Diameter (inches): 2"
Total Volume Purged (USG): 2.5	Casing Type: PVC
Average Purge Rate: 200	PID Headspace (ppm): 0.0
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP):	Color: clear Odor: none

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
15:45	13.63		15.7	1109	0.41	7.50	63.6	-285.9	200
15:50	13.62		16.1	993	0.58	7.48	13.5	-323	200
15:55	13.61		16.0	980	0.53	7.47	12.4	-339	200
16:00	13.60		16.3	1064	0.55	7.40	9.61	-300.4	200
16:05	13.70		16.1	1176	0.62	7.33	11.47	-279.2	200
16:10	13.82		13.8	1293	0.73	7.25	3.51	-275.0	200
16:15	13.82		13.8	1334	0.68	7.20	2.33	-265.0	200
16:20	13.82		13.8	1348	0.63	7.18	2.42	-257.5	200
16:25	13.86		14.0	1361	0.50	7.14	2.42	-258.6	200
16:30	13.95		13.4	1376	0.42	7.13	2.07	-260.3	200
16:35	14.00		13.6	1411	0.35	7.10	2.13	-258.2	200

Sampling Time: 16:40

Sample ID: MW-34A-20240507-01 **Analysis Requested:** VOC **Filtered Y/N:** N **Preservative:** HCl

Additional Field Measurements

Notes:

[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.

[2] = Stabilization criteria based on three most recent consecutive measurements.

[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

ERM

Site Name: Cheektowaga
Project No.:

Monitoring Well: MW-34	Area: onsite
Date: 5/7/24	Sampling Device:
Sampling Personnel: AH	YSI pro plus (19K100430)
Weather Conditions: 77, sun	turbidity (FA03811)
Time: 15:00	Peri pump (25157)

Total Depth (TD)[1]: 8.38	Screen Length (feet): 5'
Depth to Water (DTW): 6.84	Well Diameter (inches): 2"
Total Volume Purged (USG): ~0.25	Casing Type: PVC
Average Purge Rate: 200	PID Headspace (ppm): 0.60
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): 8.0'	Color: clear Odor: none

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
15:05	6.99		12.4	1719	0.79	7.62	4.33	-235.9	200
15:10	7.42		12.1	1810	0.41	7.67	15.00	-265.8	200
15:15	7.93		14.8	1863	4.03	7.68	—	-187.4	150
		well went dry							
		will collect recharge							

Sampling Time: 9:20

Sample ID: MW-34-20240509-01 Analysis Requested: VOC Filtered Y/N: N Preservative: HCl

Additional Field Measurements

Notes:

[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.

[2] = Stabilization criteria based on three most recent consecutive measurements.

[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

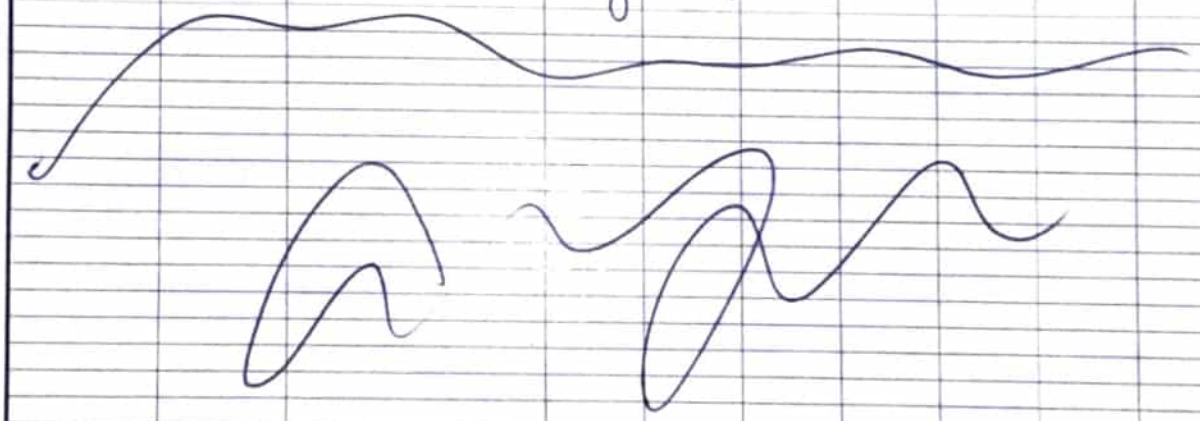
ERM

Site Name: Cheektowaga
Project No.:

Monitoring Well: MW-31	Area: onsite
Date: 5/7/24	Sampling Device: Turbidity (FA03611) Pump (025157) YSI Pro Plus (18K100430)
Sampling Personnel: AH	
Weather Conditions: 70, Sun	
Time: 13:30	

Total Depth (TD)[1]: 8.56	Screen Length (feet): —
Depth to Water (DTW): 5.11	Well Diameter (inches): 2"
Total Volume Purged (USG): 1.0	Casing Type: PVC
Average Purge Rate: 150	PID Headspace (ppm): 0.0
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): 8.4'	Color: clear Odor: none

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
13:35	6.15		9.9	745	1.92	7.38	10.8	-85.7	150
13:40	6.71		9.6	736	0.23	7.20	4.14	-119.5	150
13:45	7.19		9.6	733	0.14	7.29	4.46	-124.0	150
13:50	8.13		9.6	727	0.10	7.30	14.3	-136.6	150
13:55	8.56	well went dry							
		will collect recharge 5/8/24							



Sampling Time: 18:30

Sample ID: MW-31-20240508-01 **Analysis Requested:** VOC **Filtered Y/N:** N **Preservative:** HCl

Additional Field Measurements

Notes:

[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.

[2] = Stabilization criteria based on three most recent consecutive measurements.

[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

ERM

Site Name: Cheektowaga
Project No.: 0709858

Monitoring Well: MW-29	Area: Offsite - Residential
Date: 5/8/24	Sampling Device: Peristaltic Pump
Sampling Personnel: O. Botting	YSI Pro Quatro SN# 21H104798
Weather Conditions: 61°, Sunny, wind WSW 16 mph	(DO) ~~Hach~~ LaMotte 2020+ SN# SA06127
Time: 1040	Heron water level SN#A02547

Total Depth (TD)[1]: 13.94	Screen Length (feet): —
Depth to Water (DTW): 7.53	Well Diameter (inches): 2
Total Volume Purged (USG): 4.5	Casing Type: PVC
Average Purge Rate: 150 to 200	PID Headspace (ppm): 0.60
Tubing Type: LDPE	Measuring Point: TOC
Pump Intake (feet below MP): 13.5	Color: None Odor: None

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
1057 (DO)	7.94		12.3	2934	1.74	7.03	4.51	115.5	150
1102	8.23		12.4	2853	0.47	7.18	11.1	89.0	150
(S) 1107	8.54		12.0	2797	2.16	7.19	11.6	82.2	150
1112	8.70		12.2	2631	2.95	7.20	6.01	81.8	150
1117	8.93	switch battery	11.9	2614	2.32	7.19	5.17	80.3	200
1122	9.14		12.0	2641	1.89	7.18	2.19	77.6	200
1127	9.28		12.0	2703	1.57	7.18	1.31	73.3	200
1132	9.40		12.0	2771	0.77	7.18	0.83	69.1	200
1137	9.56		11.9	2829	0.56	7.19	0.76	65.0	200
1142	9.78		11.9	2870	0.49	7.18	1.00	61.7	200
1147	10.00		11.8	2932	0.43	7.20	0.93	57.7	200
1152	10.17		11.8	2947	0.37	7.21	0.60	53.7	200

5/8/24

Sampling Time: 1155

Sample ID:	Analysis Requested:	Filtered Y/N:	Preservative:
MW-29-20240508-01	8260C-TCLVOCs	N	HCL

Additional Field Measurements

Notes:

[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.

[2] = Stabilization criteria based on three most recent consecutive measurements.

[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

ERM

Site Name: Cheektowaga
Project No.: 0709858

Monitoring Well: MW-29A	Area: Offsite - residential
Date: 5/8/24	Sampling Device: peristaltic pump
Sampling Personnel: O. Botting	YSI Pro Quatro SN # 21H104798
Weather Conditions: 57°, sunny, wind SW 15 mph	~~Lamotte~~ turbidimeter 2020+ SN# SA06127
Time: 0911	@ Heron water level SN# A02547

Total Depth (TD)[1]: 39.76	Screen Length (feet): 20
Depth to Water (DTW): 0.1	Well Diameter (inches): 4
Total Volume Purged (USG): 3.0	Casing Type: Steel
Average Purge Rate: 150	PID Headspace (ppm): 0.0
Tubing Type: LDPE	Measuring Point: TOC
Pump Intake (feet below MP): 37	Color: None Odor: petro-like

Time: (min)	DTW: (feet)	Comments:	Temp (°C)	SpC (uS/cm)	DO (mg/L)	pH (std units)	Turb NTU	ORP mV	Flow (mL/min)
Stabilization Criteria[2]			+/- 3%	+/- 3%	+/- 10%	+/- 0.1 unit	+/- 10%[3]	+/- 10 mV	100-400
0913	0.42		12.5	1244	2.32	7.86	18.2	-62.7	150
0918	1.05		12.5	1247	0.31	8.29	18.2	-194.2	150
0923	1.61		12.5	1245	0.22	8.32	17.8	-214.8	150
0928	2.12		12.4	1246	0.20	8.35	14.6	-233.1	150
0933	2.69		12.5	1246	0.18	8.36	10.78	-239.9	150
0938	3.20		12.5	1246	0.16	8.39	9.67	-253.9	150
0943	3.64		12.5	1245	0.15	8.39	8.28	-261.3	150
0948	4.24		12.5	1244	0.14	8.39	7.66	-275.3	150
0953	4.65		12.7	1244	0.14	8.41	6.66	-275.9	150
0958	5.09		12.9	1243	0.13	8.41	7.87	-274.7	150

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5/8/24

Sampling Time: 1000

Sample ID:	Analysis Requested:	Filtered Y/N:	Preservative:
MW-29A-20240508-01	8260C-TCL VOCs	N	HCL

Additional Field Measurements

Notes:

[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.

[2] = Stabilization criteria based on three most recent consecutive measurements.

[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

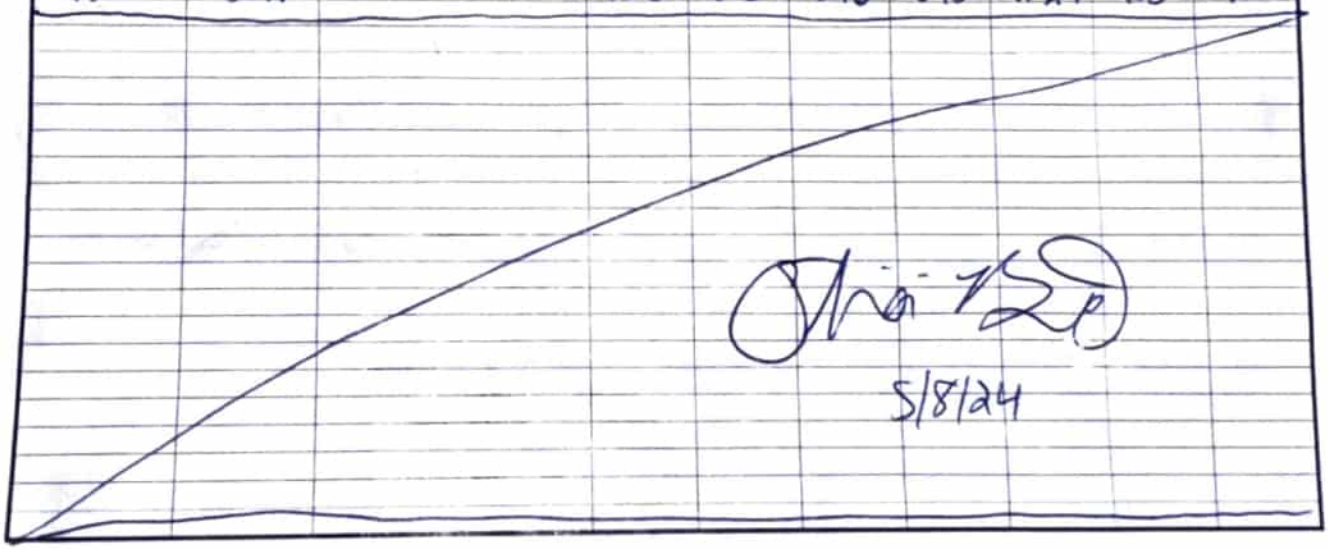
ERM

Site Name: Cheektowaga
Project No.: 0709858

Monitoring Well: MW-27A	Area: Offsite - Residential
Date: 5/8/24	Sampling Device: Peristaltic pump
Sampling Personnel: O. Botting	YSI Pro Quatro SN# 21H104798
Weather Conditions: 68°, sunny, wind WSW 19 mph	LaMotte turbidimeter 2020 we SN# FA02115
Time: 1320	Heron water level SN# A02547

Total Depth (TD)[1]: 33.16	Screen Length (feet): 20
Depth to Water (DTW): 5.15	Well Diameter (inches): 4
Total Volume Purged (USG): 2.5	Casing Type: Steel
Average Purge Rate: 150	PID Headspace (ppm): 0.0
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): 31	Color: None Odor: None

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm[3]) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100–400
1327	5.34		13.9	723	3.86	8.23	8.75	13.1	150
1332	5.75		13.2	656	0.59	8.16	11.27	3.6	150
1337	6.20		13.4	636	0.33	8.12	10.86	0.3	150
1342	6.69		13.2	624	0.24	8.13	11.61	-3.6	150
1347	7.28		13.0	619	0.19	8.12	10.87	-2.7	150
1352	7.88		13.0	617	0.17	8.10	11.80	-4.5	150
1357	8.47		13.0	616	0.16	8.10	11.24	-4.8	150



Sampling Time: 1400

Sample ID:	Analysis Requested:	Filtered Y/N:	Preservative:
MW-27A-20240508-01	8260C-TCL VOCs	N	HCl

Additional Field Measurements

MS/MSD

Notes:

[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.

[2] = Stabilization criteria based on three most recent consecutive measurements.

[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

ERM

Site Name: Cheektowaga
Project No.:

Monitoring Well: MW-23	Area: On site
Date: 5/7/24	Sampling Device: YSI : FAQ1849
Sampling Personnel: EP	Turb : FAQ3027 / FA03811
Weather Conditions: sunny, 64°, wind NE2mph	Peripump: 44395
Time: 1030	

Total Depth (TD)[1]: 13.33	Screen Length (feet): 2
Depth to Water (DTW): 4.64	Well Diameter (inches): 2
Total Volume Purged (USG): 1.5	Casing Type: PVC
Average Purge Rate: 200	PID Headspace (ppm): 0.0
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): 11.5ft	Color: red-brown Odor: none

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
1045	6.18		9.5	899	3.36	7.7	over	-194.1	200
1050	7.92		9.7	902	3.46	7.6	3690	-200.7	200
1055	9.24		9.6	906	4.59	7.6	1631	-196.7	200
1100	—	changed turb	9.9	914	5.07	7.6	over	-195.1	200
1105	12.35		10.1	933	4.88	7.5	over	-187.3	200
1110	12.81		10.2	933	4.82	7.9	over	-191.7	200

Ran dry @ 1112
will collect sample after recharge

ery Pump

Sampling Time: 1740

Sample ID: ~~MW-23-050-20~~ EP
MW-23-20240508-01

Additional Field Measurements

Analysis Requested:	Filtered Y/N:	Preservative:
VOCs	N	HCl

Notes:

[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.

[2] = Stabilization criteria based on three most recent consecutive measurements.

[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

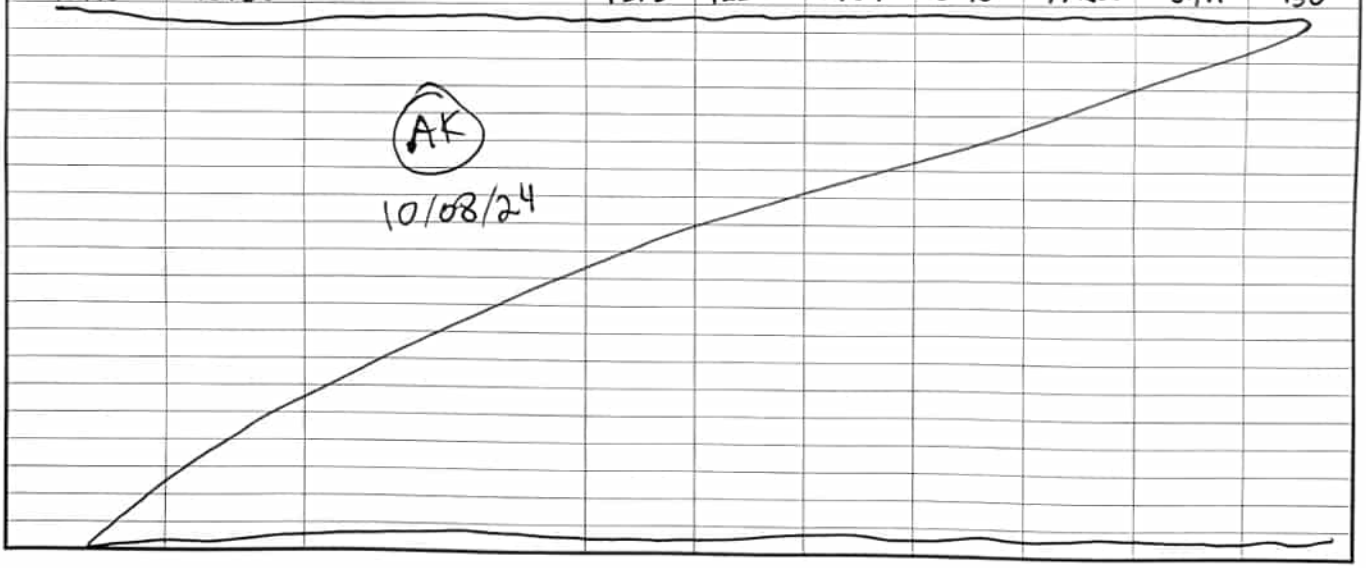
Site Name: Leica - Cheektowaga
Project No.: 0709858

ERM

Monitoring Well: MW-6A	Area: Onsite
Date: 10/08/24	Sampling Device: PeriPump - ERM
Sampling Personnel: A. Kerstanski	Hach 2100Q Turbidity Meter - Pine
Weather Conditions: Rain, Cloudy, 60°	YSI ProPlus 20C200604 - Pine
Time: 14:40	

Total Depth (TD)[1]: 21.18	Screen Length (feet): 21.1
Depth to Water (DTW): 13.21	Well Diameter (inches): 4
Total Volume Purged (USG): ~3.5	Casing Type: Steel
Average Purge Rate: 150	PID Headspace (ppm): 0.0
Tubing Type: LDPE	Measuring Point: TOC
Pump Intake (feet below MP): ~~~25~~ (AK) ~18	Color: Clear Odor: Chemical-like

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
14:45	13.31		13.0	1261	0.40	6.99	9.92	-73.5	150
14:50	13.32		13.1	1263	0.18	6.99	5.27	-67.1	150
14:55	13.33		13.3	1264	0.13	6.99	2.30	-64.0	150
15:00	13.34		13.3	1258	0.12	6.99	4.94	-62.3	150
15:05	13.36		13.3	1255	0.08	6.98	2.54 (AK)	-61.1	150
15:10	13.37		13.2	1253	0.06	6.99	1.71	-59.7	150
15:15	13.38		13.3	1250	0.07	6.98	1.22	-59.1	150



Sampling Time: 15:20

Sample ID:
MW-6A-20241008-01

Additional Field Measurements

Analysis Requested:	Filtered Y/N:	Preservative:
~~VOCs 8260~~ (AK)	~~N~~ (AK)	~~HCl~~ HCl (AK)
Dissolved Gases RSK-175	N	Sulfuric
TOC 5310	N	Nitric
Total and Dissolved Metals 6010	N	NaOH & Zn Acetate
Sulfide 4500-S2-F	N	None
Nitrate and Nitrite E353.2	N	
Sulfate and Chloride D516	N	None
Alkalinity 2320	N	None

Notes:
[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
[2] = Stabilization criteria based on three most recent consecutive measurements.
[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

ERM

Site Name: Chattanooga
Project No.: 0704858

Monitoring Well: MW-11A	Area: onsite
Date: 10/08/24	Sampling Device: YSI : 44721
Sampling Personnel: EBP	Turb Meter : 25434
Weather Conditions: rain, 60°F, wind 10 kmph	Peripump : 13241
Time: ~~1418~~ EBP 1448	

Total Depth (TD)[1]: 30.30	Screen Length (feet): 24.5
Depth to Water (DTW): 10.60	Well Diameter (inches): 6.0
Total Volume Purged (USG): 4	Casing Type: metal
Average Purge Rate: 200	PID Headspace (ppm): 0.1
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): ~25.30	Color: clear Odor: organic

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm³) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
1455	10.80		14.6	1078	0.55	7.01	52.1	-152.8	200
1500	11.05		14.5	1070	0.40	7.05	8.03	-163.7	200
1505	11.25		14.4	1068	0.37	7.05	11.2	-167.6	200
1510	11.40		14.4	1064	0.35	7.04	8.41	-168.6	200
1515	11.55		14.5	1062	0.34	7.05	16.9	-170.2	200
1520	11.65		14.4	1060	0.35	7.04	6.64	-171.9	200
1525	11.75		14.6	1057	0.35	7.05	7.32	-172.0	200
1530	11.80		14.5	1054	0.32	7.04	7.26	-172.6	200

Sampling Time: 1540 1540

Sample ID:

MW-11A-20241008-01

Additional Field Measurements

Analysis Requested:	Filtered Y/N:	Preservative:
E353.2	N	None
6010D		Nitric
5310		Sulfuric
4500_S2		Zinc Acetate, NaOH
RSK-175		HCl
8260		HCl
2320		None
D516		None

Notes:

[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.

[2] = Stabilization criteria based on three most recent consecutive measurements.

[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

Site Name: Leica - Cheektowaga
Project No.: 0709858

ERM

Monitoring Well: MW-14	Area: Jungle
Date: 10/09/24	Sampling Device: PeriPump - ERM
Sampling Personnel: A. Kerstanski	LaMotte 2020T Turbidity meter - ERM
Weather Conditions: Overcast, 56°F	YSI ProPlus 20C200604
Time: 2: (AK) 14:10	

Total Depth (TD)[1]: 10.70	Screen Length (feet): 2
Depth to Water (DTW): 9.52	Well Diameter (inches): 2
Total Volume Purged (USG): <0.25	Casing Type: Steel
Average Purge Rate: 150	PID Headspace (ppm): 1.80
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): ~9.70	Color: Cloudy Odor: Chemical-like

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
14:15	10.56		14.0	1034	0.27	7.02	31.8	-71.5	150
14:17		Well went dry							

AK
10/9/24

Sampling Time: 07:50

Sample ID: (AE)
MW-14-20241009-01

Analysis Requested: VOC

Filtered Y/N: N

Preservative: HCl

Additional Field Measurements

Notes:
[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
[2] = Stabilization criteria based on three most recent consecutive measurements.
[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

Site Name: Leica - Cheektowaga
Project No.: 0709858

ERM

Monitoring Well: MW-23	Area: Jungle
Date: 10/09/24	Sampling Device: PeriPump - ERM
Sampling Personnel: A. Kerstanski	LaMotte ~~2020~~ (AK) 2020e Turbidity Meter - ERM
Weather Conditions: Overcast, 56°F	YSI ProPlus 20C200604
Time: 14:45	

Total Depth (TD)[1]: 13.28	Screen Length (feet): 2
Depth to Water (DTW): 12.68	Well Diameter (inches): 2
Total Volume Purged (USG): ~ 0.25	Casing Type: Steel
Average Purge Rate: 150	PID Headspace (ppm): 0.40
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): ~13.25	Color: Yellow/cloudy Odor: Chemical-like

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
14:50	13.23		13.6	946	0.95	7.08	OVER	-77.9	150
14:51		Well went dry							

AK
10/9/24

Sampling Time: None - well was dry even after waiting for recharge

Sample ID: Analysis Requested: Filtered Y/N: Preservative:

Additional Field Measurements

Notes:

[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.

[2] = Stabilization criteria based on three most recent consecutive measurements.

[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

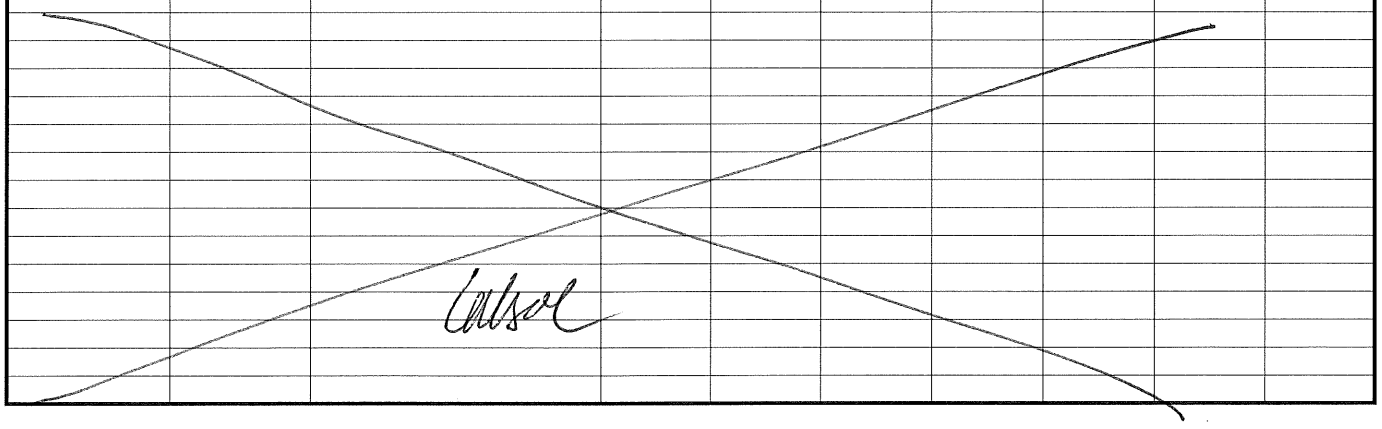
Site Name: Cheektowaga
Project No.: 0709458

ERM

Monitoring Well: MW-25	Area: residential
Date: 10/7/24	Sampling Device: YSI Pro Plus 18D102950
Sampling Personnel: Alisten	Peri pump (Pine) 210318
Weather Conditions: Cloudy 63°	Water level (Pine) 14042
Time: 16:30	turbidity meter (Pine) 216559

Total Depth (TD)[1]: 10.58	Screen Length (feet): 5
Depth to Water (DTW): 7.30	Well Diameter (inches): 2
Total Volume Purged (USG): ~4.0	Casing Type: PVC
Average Purge Rate: 150	PID Headspace (ppm): 0.0
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): ~9.58	Color: Clear Odor: organic-like

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm³) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
16:35	7.40		16.4	1609	3.17	7.23	6.06	-94.3	150
16:40	7.68		16.5	1256	3.98	7.21	5.79	-45.0	150
16:45	7.93		16.7	1187	4.68	7.18	4.42	13.7	150
16:50	8.20		16.7	1174	4.65	7.18	4.32	53.9	150
16:55	8.54		16.6	1166	4.24	7.17	4.09	70.0	150
17:00	8.89		16.5	1140	4.18	7.18	6.85	77.1	150
17:05	9.20		16.4	1139	3.74	7.17	3.56	76.3	150
17:10	9.46		16.4	1139	2.83	7.14	2.32	67.5	150
17:15	9.78		16.3	1158	1.76	7.15	1.97	40.1	150
17:20	10.15		16.3	1184	1.25	7.13	1.75	10.5	150
17:25	10.50	bubbling well nearly dry	16.2	1182	2.31	7.16	16.10	-7.5	150
~~17:30~~									



Sampling Time: 10/8/24 8:45

Sample ID:	Analysis Requested:	Filtered Y/N:	Preservative:
MW-25-20241008-01	VOC	N	HCl
Additional Field Measurements	TOC	N	Sulfuric
	Nitrate/Nitrite	N	none
	Alkalinity	N	none
	Dissolved Gas	N	HCl
	metals	N	Nitric
	dissolved metals	N	Nitric
	Sulfide	N	NaN
	Sulfate	N	none
	Chloride	N	none

Notes:
[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
[2] = Stabilization criteria based on three most recent consecutive measurements.
[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

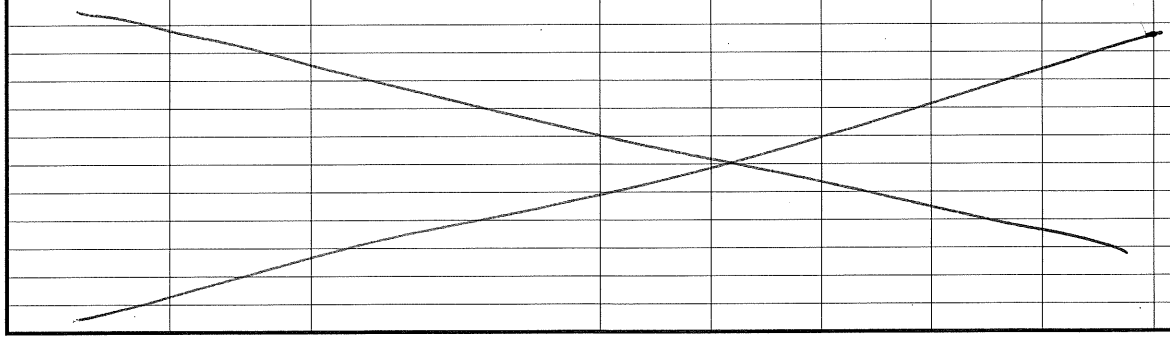
Site Name: Cheektowaga Leica
Project No.: 0709858

ERM

Monitoring Well: MW-25A	Area: On Residential
Date: 10/8/24	Sampling Device: YSI Pro Plus 18D102950
Sampling Personnel: CJ/NJ	Peri pump (Pink) 210318
Weather Conditions: Clear 50°	Water level (Pink) 14042
Time: 8:50	Turbidity meter (Pink) 216559

Total Depth (TD)[1]: 34.1	Screen Length (feet): 17.5
Depth to Water (DTW): 7.88	Well Diameter (inches): 4
Total Volume Purged (USG): ~5.0	Casing Type: Steel
Average Purge Rate: 150	PID Headspace (ppm): 0.0
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): ~32.1	Color: Clear Odor: Organic-like

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm³) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
9:00	7.88		15.1	604.1	2.32	7.24	6.98	46.3	150
9:05	7.88		14.2	405.6	0.45	7.21	5.31	-28.3	150
9:10	7.87		14.3	484.0	1.06	7.10	4.96	-27.3	150
9:15	7.87		14.2	502.8	1.16	7.04	3.93	-31.3	150
9:20	7.87		14.3	515.8	1.02	7.00	2.15	-125.0	150
9:25	7.87		14.3	507.4	0.89	7.01	2.07	-160.6	150
9:30	7.87		14.3	501.4	0.78	7.01	2.26	-173.4	150
9:35	7.87		14.3	501.1	0.71	7.01	2.17	-180.6	150
9:40	7.87		14.3	497.8	0.63	7.02	1.58	-187.1	150
9:45	7.87		14.3	496.6	0.58	7.02	1.91	-193.2	150
9:50	7.87		14.4	494.4	0.53	7.02	1.83	-197.2	150
9:55	7.87		14.4	494.8	0.48	7.02	1.41	-201.9	150
10:00	7.87		14.5	496.3	0.43	7.02	1.42	-206.9	150
10:05	7.87		14.5	492.8	0.40	7.02	1.39	-209.7	150



Sampling Time: 10:10

Sample ID: MW-25A-20241008-01

Additional Field Measurements: MS / MSD

Analysis Requested: VOC 8260; Dissolved Gases RSK 175; TOC 5310; Total / Dissolved Metals; Sulfide 4500-S2-F; Nitrate / Nitrite; Sulfate / Chloride D516; Alkalinity 2320

Filtered Y/(N):

Preservative: HCl; HCl; Sulfuric; Nitric; NaOH + Zn Acetate; none; none; none

Notes:
[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
[2] = Stabilization criteria based on three most recent consecutive measurements.
[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

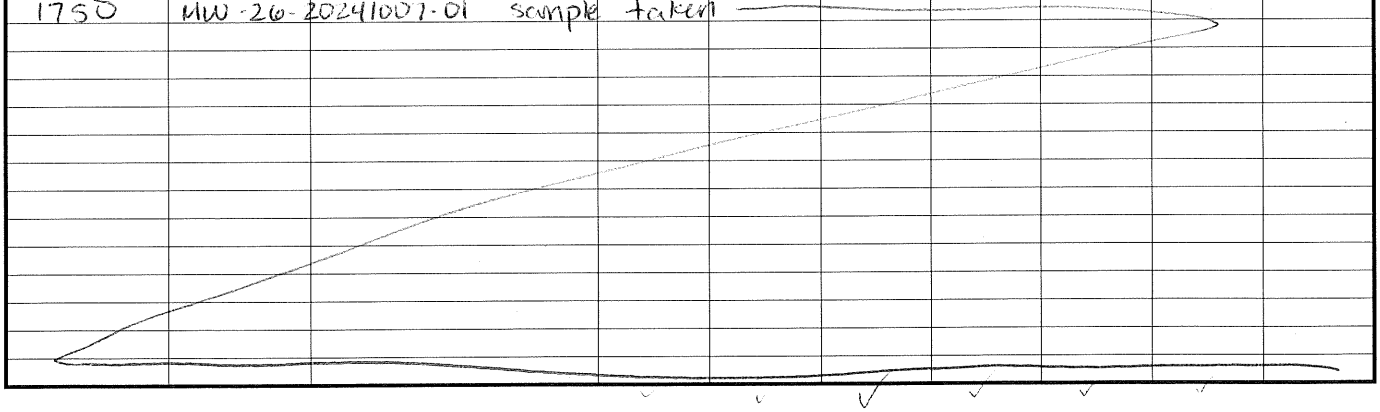
Site Name: Cheektowaga
Project No.: 0704858

ERM

Monitoring Well: MW-26	Area: Residential/Neighborhood
Date: 10/7/24	Sampling Device: Peri Pump
Sampling Personnel: Emma Puhalski	YSI Pro Plus
Weather Conditions: Cloudy	LaMotte Turbidity Meter
Time: ~~1645~~ 1645	

Total Depth (TD)[1]: 11.00	Screen Length (feet): 5.0
Depth to Water (DTW): 7.01	Well Diameter (inches): 2
Total Volume Purged (USG): 4 gallons	Casing Type: PVC
Average Purge Rate: 120	PID Headspace (ppm): 0.20
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): ~10.0	Color: Colorless Odor: Odorless

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm³) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
1645	7.23		17.5	1167	2.09	6.93	5.41	16.3	120
1650	7.37		17.7	1151	1.89	6.90	3.86	36.2	120
1655	7.51		17.9	1152	1.89	6.91	1.79	47.9	120
1700	7.67		18.1	1177	1.65	6.95	1.29	54.0	120
1705	7.76		18.1	1194	1.33	6.94	0.84	53.6	120
1710	7.84		18.2	1206	1.08	6.96	1.09	49.2	120
1715	7.92		18.2	1206	0.97	6.96	0.57	45.5	120
1720	7.98		18.2	1208	0.86	6.97	0.33	41.9	120
1725	8.06		18.2	1207	0.75	6.99	0.52	37.7	120
1730	8.11		18.2	1198	0.71	6.98	0.19	35.2	120
1735	8.21		18.1	1187	0.64	7.00	0.08	31.9	120
1740	8.28		18.0	1178	0.61	7.00	0.32	29.5	120
1745	8.35		18.0	1159	0.60	7.02	1.56	28.1	120
1750	MW-26-20241007-01	sample taken							



Sampling Time: 1750

Sample ID: MW-26-20241007-01

Additional Field Measurements

Analysis Requested: VOCs 8260
Dissolved Gas RSK175
Total / Dissolved Metals 6010
Sulfide 4500-S2-F
TOC 5310
Nitrate / Nitrite E353.2
Sulfate / Chloride D516
Alkalinity 2320

Filtered Y (N)

Preservative:
HCl
HCl
Nitric
NaOH + Zn Acetate
Sulfuric
None
None
None

Notes:
[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
[2] = Stabilization criteria based on three most recent consecutive measurements.
[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

Site Name: Cheektowaga
Project No.: 0709858

ERM

Monitoring Well: MW-26A	Area: Neighborhood
Date: 10/8/24	Sampling Device: YSI Pro Plus
Sampling Personnel: Emma N Ruhalski	Peri Pump
Weather Conditions: Sunny, 48°F	LaMotte Turbidity Meter
Time: 0835	

Total Depth (TD)[1]: 34.34	Screen Length (feet): 17.5
Depth to Water (DTW): 7.84	Well Diameter (inches): 4"
Total Volume Purged (USG): 3.5 gallons	Casing Type: Steel
Average Purge Rate: 250 mL/min	PID Headspace (ppm): 0.50
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): ~32.34	Color: Colorless Odor: Odorless

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm³) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
0840	8.30		14.8	890	0.48	7.15	0.95	-135.8	375
0845	9.03		15.1	875	0.33	7.24	0.85	-151.5	300
0850	9.75		15.1	871	0.25	7.28	0.85	-157.8	250
0855	10.39		15.1	867	0.22	7.30	0.63	-163.4	250
0900	10.72		15.1	866	0.22	7.30	0.66	-166.6	250
0905	11.17		15.2	863	0.19	7.31	0.78	-170.6	250
0910	11.64		15.2	861	0.19	7.32	1.01	-174.3	250
0915	MW-26A-20241008-01 sample taken								
									EP
			✓	✓	✓	✓	✓	✓	✓

Sampling Time: 0915

Sample ID: MW-26A-20241008-01

Additional Field Measurements

Analysis Requested: Filtered Y/(N)
VOCs 8260
Dissolved Gas RSK175
TOC 5310
Total / Dissolved Metals 6010
Sulfide 4500-S2-F
Sulfate / Chloride 0516
Nitrate / Nitrite E353.2
Alkalinity 2320

Preservative:
HCl
HCl
Sulfuric
Nitric
NaOH + Zn Acetate
None
None
None

Notes:
[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
[2] = Stabilization criteria based on three most recent consecutive measurements.
[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

Site Name: Cheektowaga
Project No.: 0709858

ERM

Monitoring Well: MW-27	Area: Neighborhood
Date: 10/8/24	Sampling Device: YSI Pro Plus
Sampling Personnel: Emma N Puhalski	Peri Pump
Weather Conditions: Sunny, 53°F	LaMotte Turbidity Meter
Time: 1000	

Total Depth (TD)[1]: 11.14	Screen Length (feet): UNKNOWN
Depth to Water (DTW): 8.98	Well Diameter (inches): 2"
Total Volume Purged (USG): 2 gallons	Casing Type: PVC
Average Purge Rate: 250 mL/min	PID Headspace (ppm): 0.00
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): ~11.0	Color: Colorless Odor: Odorless

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm³) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
1005	9.54		18.0	2187	6.25	7.08	1.56	65.8	400
1010	10.30		17.9	2260	1.07	7.06	0.55	73.4	250
1015	10.53		17.8	2306	0.78	7.06	0.83	76.6	250
1020	10.78		17.8	2336	0.65	7.06	0.57	72.7	250
1025	Well dry @ 1027		18.0	2360	3.95	7.11	42	27.1	200
1030									
1035	Waiting for recharge								
1140	MW-27-20241008-01	sample taken							

EP

Sampling Time: 1140

Sample ID:	Analysis Requested:	Filtered Y/N:	Preservative:
MW-27-20241008-01	Just VOC	N	HCl

Additional Field Measurements

Notes:

[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.

[2] = Stabilization criteria based on three most recent consecutive measurements.

[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

Site Name: Cheektowaga
Project No.: 0709858

ERM

Monitoring Well: MW-27A	Area: Neighborhood
Date: 10/8/24	Sampling Device: YSI ProPlus
Sampling Personnel: Emma Puhalski	Peri Pump
Weather Conditions: Sunny, 55°F	LaMotte Turbidity Meter
Time: 1045	

Total Depth (TD)[1]: 33.16	Screen Length (feet): 20
Depth to Water (DTW): 8.26	Well Diameter (inches): 4"
Total Volume Purged (USG): 2.5 gallons	Casing Type: Steel
Average Purge Rate: 200	PID Headspace (ppm): 0.20
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): ~31.16	Color: Odor:

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm³) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
1050	8.72		16.5	825	0.43	7.93	1.77	-198.7	200
1055	9.17		16.3	573	0.28	7.88	-213.1↔193		200
1100	9.58		16.3	645	0.24	7.88	-220.2↔1.57		200
1105	9.90		16.6	637	0.22	7.87	1.49	-222.5	200
1110	10.31		16.6	622	0.22	7.87	1.72	-220.1	200
1115	10.78		16.6	617	0.20	7.85	1.73	-219.2	200
1120	11.00		16.7	616	0.19	7.85		-222.2	200
1125	MW-27A-20241008-01	Sample taken							EP

Sampling Time: 1125

Sample ID:	Analysis Requested:	Filtered Y/N:	Preservative:
MW-27A-20241008-01	Just VOCs	N	HCl

Additional Field Measurements

Notes:

[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.

[2] = Stabilization criteria based on three most recent consecutive measurements.

[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

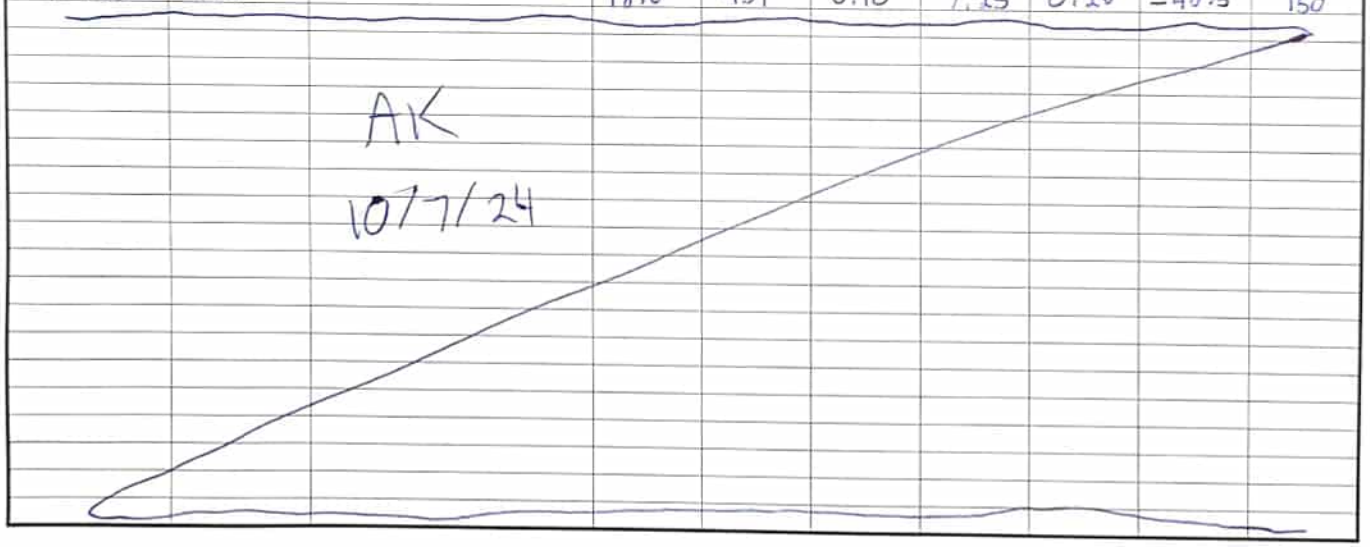
Site Name: Leica - Cheektowaga
Project No.: 0709853

ERM

Monitoring Well: MW-28	Area: Residential
Date: 10/7/2024	Sampling Device: Peristaltic Pump - ERM
Sampling Personnel: A. Kerstanski	Hach 2100Q Turbidity meter - Pine
Weather Conditions: Partly Cloudy, 61°	YSI ProPlus 20C 20060604
Time: 16:45	

Total Depth (TD)[1]: 12.38	Screen Length (feet): Unknown
Depth to Water (DTW): 8.14	Well Diameter (inches): 2
Total Volume Purged (USG): ~4 gallons	Casing Type: PVC
Average Purge Rate: 150	PID Headspace (ppm): 0.0
Tubing Type: LDPE & HDPE	Measuring Point: TOC
Pump Intake (feet below MP): ~10	Color: Clear Odor: Chemical-like

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
16:50	8.51		17.7	899	12.9	7.27	7.45	-64.3	150
16:55	8.74		18.0	899	0.38	7.24	3.52	-42.0	150
17:00	8.99		18.2	959	0.38	7.24	1.25	-18.7	150
17:05	9.19		18.1	991	0.30	7.25	0.94	-19.2	150
17:10	9.34		18.0	965	0.21	7.25	0.54	-27.8	150
17:15	9.49		18.0	960	0.15	7.25	0.46	-32.7	150
17:20	9.54		18.0	943	0.13	7.25	0.29	-38.3	150
17:25	9.61		18.0	951	0.10	7.25	0.26	-40.5	150



Sampling Time: 17:30

Sample ID:
MW-28-20241007-01

Additional Field Measurements

Analysis Requested:	Filtered Y/N:	Preservative:
VOCs 8260	N	HCl
Dissolved Gases RSK-175	N	HCl
TOC 5310	N	Sulfuric
Total and Dissolved Metals 6010	N	Nitric
Sulfide 4500-S2-F	N	NaOH and zinc Acetate
Nitrate and Nitrite E353.2	N	None
Sulfate and Chloride D516	N	None
Alkalinity 2320	N	None

Notes:
[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
[2] = Stabilization criteria based on three most recent consecutive measurements.
[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

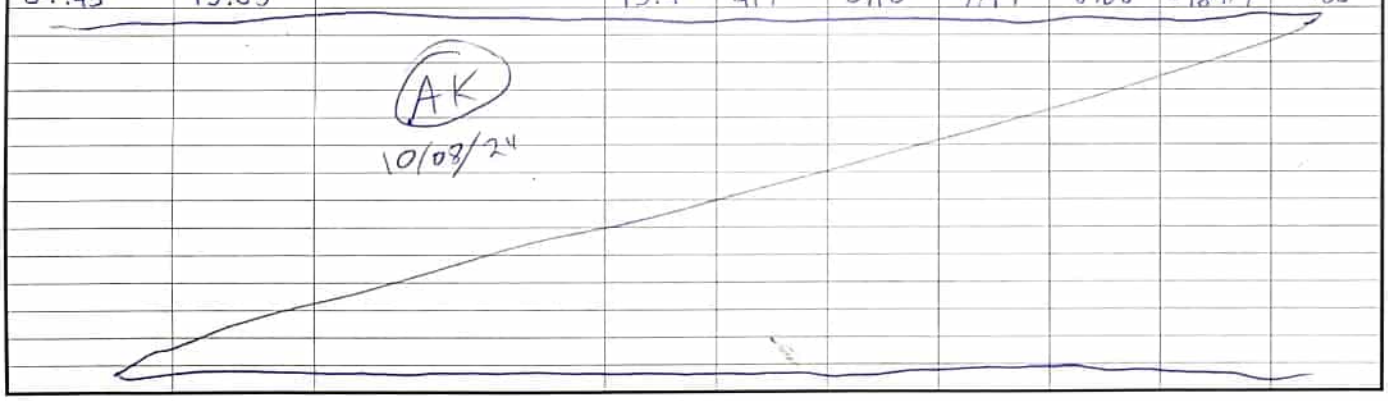
Site Name: Leica - Cheektowaga
Project No.: 0709853

ERM

Monitoring Well: MW-28A	Area: Residential
Date: 10/08/24	Sampling Device: Peristaltic Pump - ERM
Sampling Personnel: A. Kerstanski	Hach 2100Q Turbidity Meter - Pine
Weather Conditions: Clear, 49° F	YSI ProPlus 20C200604 - Pine
Time: 08:40	

Total Depth (TD)[1]: 34.56	Screen Length (feet): 20
Depth to Water (DTW): 7.32	Well Diameter (inches): 4
Total Volume Purged (USG): ~5 gallons	Casing Type: Steel
Average Purge Rate: 150	PID Headspace (ppm): 0.0
Tubing Type: LDPE	Measuring Point: TOC
Pump Intake (feet below MP): ~25	Color: Clear Odor: Sulfur-like

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm³) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
08:45	7.75		15.5	917	0.15	7.43	524	-176.8	150
08:50	8.21		15.5	919	0.07	7.48	276	-188.2	150
08:55	8.75		15.5	918	0.08	7.50	63.0	-190.1	150
09:00	9.28		15.5	919	0.08	7.50	22.2	-190.2	AK 150
09:05	9.72		15.5	918	0.10	7.50	16.4	-189.9	150
09:10	10.19		15.6	918	0.13	7.49	12.4	-189.2	150
09:15	10.66		15.5	918	0.14	7.48	13.7	-189.0	150
09:20	11.21		15.5	918	0.10	7.48	12.6	-187.9	150
09:25	11.75		15.4	921	0.06	7.47	12.2	-186.3	150
09:30	12.18		15.4	918	0.06	7.47	10.5	-185.5	150
09:35	12.62		15.4	916	0.07	7.47	9.51	-185.0	150
09:40	13.07		15.4	917	0.26	7.47	7.24	-184.0	150
09:45	13.55		15.4	917	0.10	7.47	8.68	-184.7	150



Sampling Time: 09:50

Sample ID:
MW-28A-20241008-01

Additional Field Measurements
DUP-01-20241008-01 12:00

Analysis Requested:	Filtered Y/N:	Preservative:
VOCs 8260	N	HCl
Dissolved Gases RSK-175	N	HCl
TOC 5310	N	Sulfuric
Total and Dissolved Metals 6010	N	Nitric
Sulfide 4500-S2-F	N	NaOH and Zinc Acetate
Nitrate and Nitrite E353.2	N	None
Sulfate and Chloride D516	N	None
Alkalinity 2320	N	None

Notes:
[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
[2] = Stabilization criteria based on three most recent consecutive measurements.
[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

ERM

Site Name: Chesktowaga
Project No.: 0709858

Monitoring Well: MW-29	Area: Residential
Date: 10/7/24	Sampling Device: 451 : 48818
Sampling Personnel: EP	Turbidity: 334101
Weather Conditions: PM cloudy, 62°F, wind WNW 6mph	Pump ID: 13241
Time: 1637	

Total Depth (TD)[1]: 13.95	Screen Length (feet): Unknown
Depth to Water (DTW): 7.90	Well Diameter (inches): 2
Total Volume Purged (USG): 5 gal	Casing Type: PVC
Average Purge Rate: 200	PID Headspace (ppm): 0.0
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): ~12.95	Color: Clear Odor: none

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm³) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
1655	7.80		17.9	1916	1.20	7.34	17.4	97.6	200
1700	8.60		18.6	1879	0.63	7.30	7.17	34.4	200
1705	8.80		18.9	1714	0.93	7.22	6.69	66.9	200
1710	9.10		19.0	1618	1.26	7.19	3.15	107.9	200
1715	9.45		19.0	1682	0.77	7.20	1.74	117.9	200
1720	9.65		18.9	1759	0.56	7.22	1.53	113.8	200
1725	9.80		18.8	1820	0.47	7.23	3.50	107.3	200
1730	9.85		18.8	1855	0.43	7.24	1.75	100.0	200
1735	9.90		18.7	1880	0.40	7.25	0.83	89.3	200
1740	9.95		18.7	1885	0.38	7.25	0.81	83.2	200
1745	10.05		18.7	1879	0.37	7.26	0.55	79.4	200

Sampling Time: 1755

Sample ID: MW-29-20241007-01

Additional Field Measurements

Analysis Requested: Filtered Y/N: Preservative:

Analysis Requested:	Filtered Y/N:	Preservative:
6010D Diss. Metals	N	Nitric
8260C		HCl
2320B		—
RSK 175		HCl
SM4500S2_F		Zinc, Sodium hydroxide
D516, SM4500_CLE		—
6010D Total Metals		Nitric

Notes:

[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.

[2] = Stabilization criteria based on three most recent consecutive measurements.

[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

ERM

Site Name: Cheektowaga
Project No.: 0709858

Monitoring Well: MW-29A	Area: Residential
Date: 10/8/24	Sampling Device: YSI 44721
Sampling Personnel: EBP	Peri Pump 13241
Weather Conditions: Sunny, 52°F, wind SW 5mph	Turbidity Meter: 13110602967
Time: 0850	

Total Depth (TD)[1]: 29.75	Screen Length (feet): 20
Depth to Water (DTW): 6.85	Well Diameter (inches): 6
Total Volume Purged (USG): 6.5	Casing Type: Metal
Average Purge Rate: 200	PID Headspace (ppm): 0.0
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): ~37.75	Color: ~~tan~~ brown Odor: organic

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm³) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
0855	7.45		16.4	508.9	0.54	7.57	8.30	-208.5	200
0900	7.80		16.4	479.0	0.42	7.606	8.57	-246.3	200
0905	8.50		16.6	447.5	0.37	7.74	9.02	-266.6	200
0910	8.90		16.6	438.0	0.37	7.76	9.02	-270.9	200
0915	9.40		16.6	430.8	0.37	7.74	8.46	-272.2	200
0920	9.90		16.7	425.9	0.33	7.75	8.13	-279.4	200
0925	10.50		16.8	420.4	0.34	7.78	10.2	-288.6	200
0930	10.90		16.8	422.0	0.34	7.78	11.0	-287.3	200
0935	11.45		16.9	417.7	0.31	7.77	12.2	-284.0	200
0940	11.80		16.8	414.6	0.29	7.74	14.7	-278.0	200
0945	12.40		16.9	412.1	0.30	7.68	13.4	-265.9	200
0950	12.85		16.8	410.4	0.29	7.68	17.7	-260.9	200
0955	13.30		16.9	410.6	0.30	7.666	16.2	-260.7	200
1000	13.80		17.0	409.0	0.29	7.663	15.6	-255.5	200
1005	14.25		16.9	408.4	0.29	7.662	19.5	-254.6	200
1010	14.75		17.0	409.3	0.31	7.63	19.6	-258.4	200
1015	15.25		17.2	407.0	0.28	7.56	21.8	-238.2	200
1020	15.75		17.2	407.0	0.28	7.53	23.4	-235.9	200
1025	16.08		17.1	406.6	0.25	7.52	24.7	-235.0	200
1030	16.45		17.2	405.3	0.28	7.50	24.7	-227.3	200
1035									

Sampling Time: 1035

Sample ID: MW-29A-20241008-01

Additional Field Measurements

Analysis Requested:
E353.2
~~E~~P6010D
S310
4500_S2
RSK-175
8260
2320
DOI6

Filtered Y/N: N

Preservative:
none
Nitric
Sulfuric
Zinc Acetate, NaOH
HCl
HCl
None
None

Notes:
[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
[2] = Stabilization criteria based on three most recent consecutive measurements.
[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

ERM

Site Name: Chattanooga
Project No.: 0704856

Monitoring Well: MW-33A	Area: onsite
Date: 10/08/2024	Sampling Device: YSI: 44721
Sampling Personnel: EBP	Turbidity Meter: 25431
Weather Conditions: pt cloudy, 62°F, wind WNW 6mph	Peristaltic Pump: 13241
Time: 1327	

Total Depth (TD)[1]: 38.7	Screen Length (feet): 10
Depth to Water (DTW): 16.95	Well Diameter (inches): 2
Total Volume Purged (USG): 3	Casing Type: PVC
Average Purge Rate: 200	PID Headspace (ppm): 0.0
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): ~36.7	Color: clear Odor: organic

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm³) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
1330	17.85		14.0	1257	0.88	7.21	5.37	-89.2	200
1335	18.85		13.9	1236	0.44	7.27	4.85	-122.0	200
1340	21.60		14.0	1233	0.41	7.26	2.66	-130.0	200
1345	23.15		13.9	1231	0.37	7.24	2.65	-133.1	200
1350	24.20		14.0	1230	0.39	7.24	2.30	-135.6	200
1355	25.75		14.0	1229	0.39	7.24	2.45	-141.7	200
1400	26.40		14.1	1228	0.36	7.22	2.53	-141.6	200

Sampling Time: 1405

Sample ID:

MW-33A-20241008-01

Additional Field Measurements

/

Analysis Requested:	Filtered Y/N:	Preservative:
E353.2	N	None
6010D		Nitric
5310		Sulfuric
4500_S2		Zinc Acetate, NaOH
RSK-175		HCl
8260		HCl
2320		None
D516		None

Notes:

[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.

[2] = Stabilization criteria based on three most recent consecutive measurements.

[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

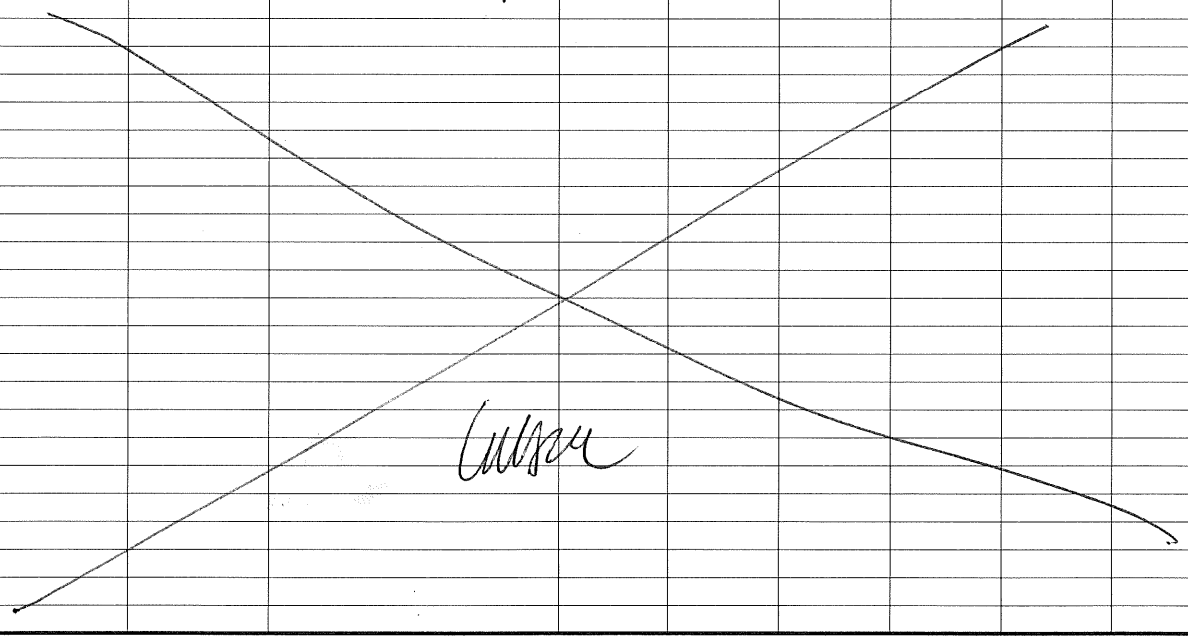
Site Name: Cheektowaga Leica
Project No.: 0709858

ERM

Monitoring Well: MW-34	Area: onsite
Date: 10/8/24	Sampling Device: YSI Pro Plus 18D102950
Sampling Personnel: Alisten	Peri pump (Pine) 210318
Weather Conditions: Clear 61°	Water level (Pine) 14042
Time: 12:20	turbidity meter (Pine) 216559

Total Depth (TD)[1]: 8.36	Screen Length (feet): 5.0
Depth to Water (DTW): 7.42	Well Diameter (inches): 2
Total Volume Purged (USG): <1	Casing Type: PVC
Average Purge Rate: 150	PID Headspace (ppm): 0.1
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): near 8.00	Color: clear Odor: none

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm³) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
12:25	7.50		19.9	933	2.22	7.81	4.93	44.6	150
12:30	7.81		20.0	1049	0.70	7.65	3.02	31.4	150
12:35	8.12		19.9	1099	0.54	7.67	6.94	27.9	150
		well went dry							



Sampling Time: 10/9/24 8:20

Sample ID:
MW-34-20241009-01

Additional Field Measurements

Analysis Requested:
VOC 8260
Dissolved Gases RSK 175
TOC 5310
Dissolved / Total metals 6010
sulfide 4500-S2-F
Nitrate / Nitrite E353.2
Chloride / Sulfate D516
Alkalinity 2320

Filtered Y/(N)

Preservative:
HCl
HCl
Sulfuric
Nitric
NaOH + Zn Acetate
none
none
none

Notes:
[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
[2] = Stabilization criteria based on three most recent consecutive measurements.
[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

Site Name: Chevron Omega - Leica
Project No.: 0209858

ERM

Monitoring Well: MW-34A	Area: Onsite
Date: 10/8/24	Sampling Device: YSI Pro Plus 18D1102950
Sampling Personnel: Alista N	peri pump (Pine) 210318
Weather Conditions: Clear 61°	water level (Pine) 14042
Time: 12:40	turbidity meter (Pine) 216559

Total Depth (TD)[1]: 46.04	Screen Length (feet): 10
Depth to Water (DTW): 16.33	Well Diameter (inches): 2
Total Volume Purged (USG): ~3.6	Casing Type: PVC
Average Purge Rate: 150	PID Headspace (ppm): 1.4
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): ~38.04	Color: Clear Odor: Organic-like

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm³) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
12:45	16.60		17.5	984	1.42	7.53	7.36	-72.9	150
12:50	16.74		15.5	856	0.64	7.39	1.59	-183.7	150
12:55	16.75		15.6	944	0.98	7.20	2.33	-208.4	150
13:00	16.78		15.4	948	0.72	7.11	1.41	-197.1	150
13:05	16.83		15.0	932	0.61	7.11	1.41	-198.1	150
13:10	16.85		15.0	919	0.56	7.10	1.05	-198.2	150
13:15	16.85		14.8	908	0.54	7.08	0.96	-199.8	150
13:20	16.85		14.8	899	0.51	7.08	0.97	-202.2	150

Sampling Time: 13:25

Sample ID:	Analysis Requested:	Filtered Y/N:	Preservative:
MW-34A-20241008-01	VOC	N	HCl

Additional Field Measurements

MS MSD

Notes:

[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.

[2] = Stabilization criteria based on three most recent consecutive measurements.

[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

Site Name: Cheektowaga
Project No.: 0709858

ERM

Monitoring Well: MW-35A	Area: Front of building
Date: 10/8/24	Sampling Device: YSI PRO PLUS
Sampling Personnel: Emma N Pinalski	Peri pump
Weather Conditions: Sunny, 58°F	Water level
Time: 1230	turbidity meter

Total Depth (TD)[1]: 30.90	Screen Length (feet): 10
Depth to Water (DTW): 13.90	Well Diameter (inches): 2"
Total Volume Purged (USG): 4 gallons	Casing Type: PVC
Average Purge Rate: 225	PID Headspace (ppm): 0.00
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): ~28.90	Color: Colorless Odor: odorless

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm[3]) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
1235	14.06		14.7	1399	4.56	6.93	1.20	-117.6	200
1240	14.01		15.7	1345	1.14	6.95	0.71	-128.5	200
1245	14.01		15.8	1345	0.71	6.94	0.50	-130.9	200
1250	14.01		15.5	1337	0.55	6.93	0.51	-130.8	200
1255	14.01		15.7	1332	0.47	6.93	0.61	-130.8	200
1300	14.01		15.8	1320	0.43	6.93	0.93	-125.5	200
1305	14.01		15.1	1275	0.42	6.87	0.64	-98.5	200
1310	14.01		15.3	1280	0.41	6.86	0.62	-90.4	200
1315	14.06		14.7	1283	0.40	6.84	0.66	-85.3	200
1320	14.01		15.1	1304	0.38	6.84	1.18	-81.1	200
Peri Pump battery died, pause in sampling to get replacement									
1345	14.16		14.0	1348	0.33	6.82	0.50	-52.8	375
1350	14.11		14.3	1366	0.33	6.81	0.42	-50.2	300
1355	14.10		14.3	1376	0.33	6.79	0.34	-43.6	300
1400	14.10		14.3	1372	0.33	6.79	0.31	-41.6	300
1405	MW-35A-20241008-01	sample taken							

EP

Sampling Time: 1405

Sample ID: MW-35A-20241008-01

Additional Field Measurements

Analysis Requested: VOCs 8260
Dissolved Gas RSK 175
TOC 5310
Total / Dissolved Metals 6010
Sulfide 4500-S2-F
Nitrate / Nitrite E353.2
Sulfate / Chloride D516
Alkalinity 2320

Filtered Y (N):

Preservative: HCl
HCl
Sulfuric
Nitric
NaOH + Zn Acetate
None
None
None

Notes:
[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
[2] = Stabilization criteria based on three most recent consecutive measurements.
[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

Site Name: Chemtrans2 - Leic2
Project No.: 0704858

ERM

Monitoring Well: MW-36	Area: Onsite SW corner
Date: 10/8/24	Sampling Device: YSI Pro Plus 18
Sampling Personnel: Collin N	pen pump 210318
Weather Conditions: Cloudy 60°	water level 14042
Time: 14:05	turbidity meter 216559

Total Depth (TD)[1]: 7.63	Screen Length (feet): 5.0
Depth to Water (DTW): 3.28	Well Diameter (inches): 2
Total Volume Purged (USG): ~1	Casing Type: PVC
Average Purge Rate: 1L/x	PID Headspace (ppm): 0.0
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): ~7.60	Color: Clear Odor: none

Time: (min) Stabilization Criteria[2]	DTW: (feet) +/- 3%	Comments:	Temp (°C) +/- 3%	SpC (uS/cm³) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
14:06 ~~14:11~~	7.39	well went dry 14:09	17.6	503.0	3.94	7.04	22.7	36.4	128

Sampling Time: 14:30

Sample ID:	Analysis Requested:	Filtered Y/N:	Preservative:
MW-36-20241008-01	VOC	N	HCl

Additional Field Measurements

Notes:
[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
[2] = Stabilization criteria based on three most recent consecutive measurements.
[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

ERM

Site Name: Chesktowaga
Project No.: 0709858

Monitoring Well: MW-37A	Area: onSite
Date: 10/08/24	Sampling Device: YSI: 44721
Sampling Personnel: EBP	Turbidity Meter: 25434
Weather Conditions: pt. cloudy, 60°F, wind WNW 10mph	Peripump: 13241
Time: 1210	

Total Depth (TD)[1]: 30.5	Screen Length (feet): 10
Depth to Water (DTW): 18.45	Well Diameter (inches): 2
Total Volume Purged (USG): 3.5	Casing Type: PVC
Average Purge Rate: ~~HDPE 3.5~~ 200	PID Headspace (ppm): 0.0
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): ~28.5	Color: clear Odor: organic

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm³) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
1215	18.45		14.3	3668	1.82	7.31	13.7	-72.4	200
1220	18.50		13.3	2450	0.45	7.45	10.1	-158.2	200
1225	18.50		13.4	1799	0.41	6.99	8.54	-92.2	200
1230	18.50		13.5	1915	0.49	6.92	4.15	-73.0	200
1235	18.50		13.6	1799	0.51	6.90	2.56	-61.1	200
1240	18.50		13.5	1788	0.46	6.89	1.19	-54.8	200
1245	18.50		13.5	1793	0.43	6.88	1.49	-52.8	200

didn't mean to cross this out EP

Sampling Time: 1250

Sample ID: MW-37A-20241008-01

Additional Field Measurements

Analysis Requested:	Filtered Y/N:	Preservative:
E353.2	N	none
6010D		Nitric
5310		Sulfuric
4500-S2		Zinc Acetate NaOH
RSK-175		HCl
8260		HCl
2320		None
D516		None

Notes:

[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.

[2] = Stabilization criteria based on three most recent consecutive measurements.

[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

Site Name: Leica - Cheektowaga
Project No.: 0709858

ERM

Monitoring Well: MW-38A	Area: Onsite
Date: 10/08/24	Sampling Device: PeriPump - ERM
Sampling Personnel: A. Kerstanski	Hach 2100a Turbidity Meter - Pine
Weather Conditions: Partly Cloudy, 58°F	YSI ProPlus 20C 200604 - Pine
Time: 12:00	

Total Depth (TD)[1]: 30.57	Screen Length (feet): Unknown
Depth to Water (DTW): 15.42	Well Diameter (inches): 2
Total Volume Purged (USG): ~4	Casing Type: PVC
Average Purge Rate: 148	PID Headspace (ppm): 0.60
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): ~20	Color: Clear Odor: Organic-like

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm³) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
12:05	16.31		14.7	1101	2.90	7.19	9.88	-60.9	150
12:10	17.34		14.2	1099	0.30	7.18	5.00	-30.1	150
12:15	18.87		14.2	1094	0.22	7.16	3.01	-17.2	150
12:20	20.51		14.3	1061	0.13	7.17	1.90	-1.5	150
12:25	21.15		14.4	1061	0.12	7.16	1.33	0.6	150
12:30	21.64	battery died	14.6	1053	0.13	7.18	AK ~~1.0~~ 1.45	1.1	AK ~~150~~ 125
12:40	22.25		14.5	1096	0.91	7.20	2.72	-23.8	150
12:45	22.74		14.2	1100	0.85	7.19	1.86	-20.1	150
12:50	23.24		14.1	1095	0.53	7.14	2.22	-15.1	150
12:55	23.81		14.1	1085	0.37	7.17	2.62	-11.2	150
13:00	24.32		14.0	1086	0.28	7.18	1.03	-24.6	150
13:05	24.81		13.8	1087	0.17	7.20	1.87	-36.8	150
13:06 AK		Went dry							

AK
10/08/24

Sampling Time: 13:20

Sample ID:	Analysis Requested:	Filtered Y/N:	Preservative:
MW-38A-20241008-01	VOC	N	HCl

Additional Field Measurements

Notes:
[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
[2] = Stabilization criteria based on three most recent consecutive measurements.
[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

Site Name: Leica - Cheektowaga
Project No.: 0709858

ERM

Monitoring Well: MW - 40A	Area: St. Stans
Date: 10/09/24	Sampling Device: PeriPump - ERM
Sampling Personnel: A. Kerstanski	Hach 2100Q Turbidity meter - Pine
Weather Conditions: Clear, 43°F	YSI ProPlus 20C 20060H - Pine
Time: 08:20	

Total Depth (TD)[1]: 56.98	Screen Length (feet): 10
Depth to Water (DTW): 21.06	Well Diameter (inches): 2
Total Volume Purged (USG): ~2.5	Casing Type: PVC
Average Purge Rate: 125	PID Headspace (ppm): 0.60
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): ~25	Color: Clear Odor: Sulfur-like

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (mS/cm) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
08:25	21.19		10.9	1218	1.46	7.26	9.51	-142.7	125
08:30	21.20		11.1	1234	0.80	7.30	6.53	-163.7	125
08:35	21.21		11.1	1217	0.49	7.26	5.42	-187.5	125
08:40	21.22		11.2	1210	0.38	7.24	3.68	-222.5	125
08:45	21.22		11.2	1209	0.25	7.25	4.01	-238.6	125
08:50	21.23		11.3	1199	0.19	7.22	2.13	-260.9	125
08:55	21.24		11.3	1195	0.12	7.22	2.65	-274.6	125
09:00	21.24		11.3	1192	0.11	7.20	3.19	-287.5	125
09:05	21.22		11.3	1187	0.08	7.19	2.30	-296.2	125
09:10	21.22		11.3	1180	0.11	7.18	1.83	-300.2	125
09:15	21.23		11.3	1173	0.11	7.19	1.67	-300.5	125

AK 10/09/24

Sampling Time: 09:20

Sample ID:	Analysis Requested:	Filtered Y/N:	Preservative:
MW-40A-20241009-01	VOC	N	HCl

Additional Field Measurements

Notes:

[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.

[2] = Stabilization criteria based on three most recent consecutive measurements.

[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

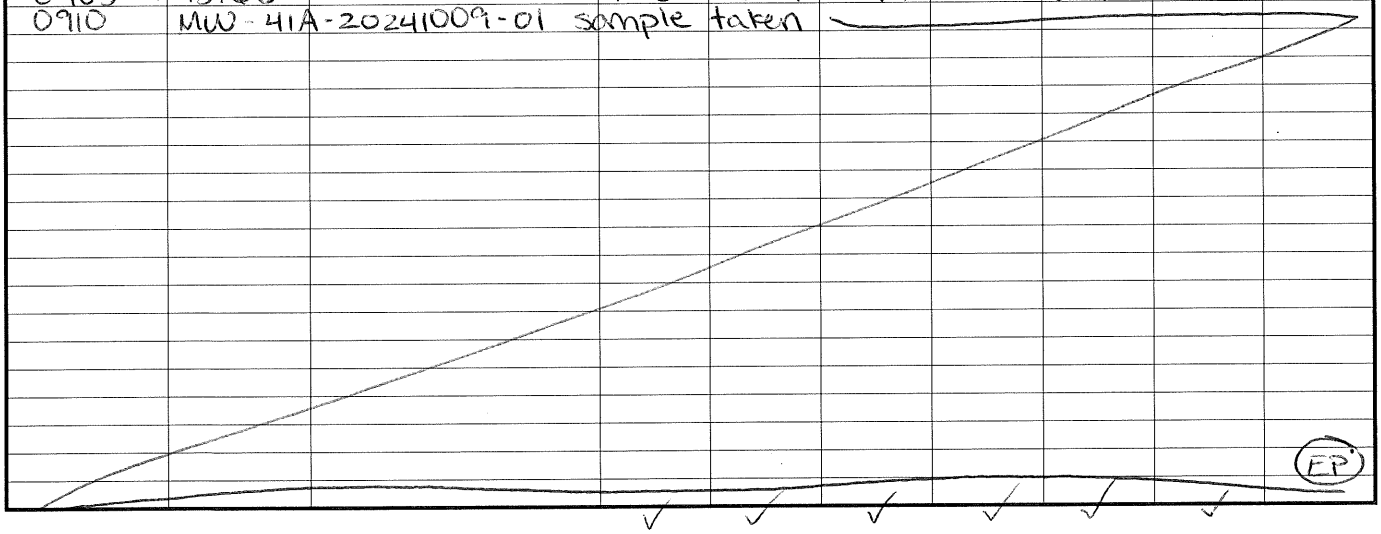
Site Name: Cheektowaga
Project No.: 0709858

ERM

Monitoring Well: MW-41A	Area: St. Stans
Date: 10/9/24	Sampling Device: YSI Pro Plus
Sampling Personnel: Emma N Ruhalski	Peri Pump
Weather Conditions: Sunny, 44°F	La Motte Turbidity Meter
Time: 0820	

Total Depth (TD)[1]: 33.83	Screen Length (feet): 10
Depth to Water (DTW): 18.45	Well Diameter (inches): 2"
Total Volume Purged (USG): 3 gallons	Casing Type: PVC
Average Purge Rate: 200	PID Headspace (ppm): 0.8
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): ~ 31.83	Color: Colorless Odor: Strong sulfur-like

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm³) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
0825	18.69	Strong sulfur-like odor	11.5	1358	1.45	7.33	1.06	-29.2	350
0830	18.64		11.7	1351	0.88	7.29	0.84	-59.7	250
0835	18.62		11.8	1351	0.75	7.25	0.82	-70.2	200
0840	18.64		12.0	1360	0.65	7.25	0.88	-77.4	200
0845	18.76		12.0	1367	0.57	7.23	0.35	-83.1	175
0850	18.62		12.0	1371	0.52	7.21	0.29	-89.8	175
0855	18.65		11.9	1370	0.48	7.16	0.52	-93.2	175
0900	18.65		11.9	1368	0.45	7.16	0.26	-97.2	175
0905	18.65		12.0	1364	0.44	7.22	0.49	-100.6	175
0910	MW-41A-20241009-01	sample taken							



Sampling Time: 0910

Sample ID:	Analysis Requested:	Filtered Y/N:	Preservative:
MW-41A-20241009-01	VOC	N	HCl

Additional Field Measurements

MS/MSD

Notes:

[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.

[2] = Stabilization criteria based on three most recent consecutive measurements.

[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

Site Name: Cheektowaga
Project No.: 0709858

ERM

Monitoring Well: MW-42A	Area: St. Stans
Date: 10/9/24	Sampling Device: YSI Pro Plus
Sampling Personnel: Emma N Puhalski	Monsoon Pump
Weather Conditions: Sunny, 55°F	Hach Turbidity Meter
Time: 1105	

Total Depth (TD)[1]: 51.90	Screen Length (feet): 10
Depth to Water (DTW): 25.97	Well Diameter (inches): 2"
Total Volume Purged (USG): 10 gallons	Casing Type: PVC
Average Purge Rate: 300	PID Headspace (ppm): 0.90
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): ~ 49.90	Color: Colorless Odor: Sulfur-like

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm[3]) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
1110	23.90		12.5	1205	3.98	7.26	38.2	-44.8	175
1115	24.04		12.2	1208	1.04	7.35	6.03	-66.7	300
1120	24.04		12.2	1208	0.72	7.43	4.07	-75.0	300
1125	24.14		12.0	1208	0.56	7.40	2.52	-75.7	300
1130	24.14		11.7	1211	0.47	7.31	2.25	-77.6	300
1135	24.14		11.9	1212	0.39	7.16	1.19	-82.7	300
1140	24.14		11.8	1211	0.38	7.18	1.89	-85.8	300
1145	24.14		11.7	1213	0.35	7.18		-87.7	300
1150	MW-42A-20241009-01 samples taken								

EP

Sampling Time: 1150

Sample ID:	Analysis Requested:	Filtered Y/N:	Preservative:
MW-42A-20241009-01	VOC	Y N	HCl

Additional Field Measurements

Notes:

[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.

[2] = Stabilization criteria based on three most recent consecutive measurements.

[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

Site Name: Cheektowaga
Project No.: 0709858

ERM

Monitoring Well: MW-43A	Area: St. Stans
Date: 10/09/24	Sampling Device: YSI Pro Plus
Sampling Personnel: Emma N Puhalski	Monsoon Pump
Weather Conditions: Partly cloudy, 57° F	Hach Turbidity Meter
Time: 1250	

Total Depth (TD)[1]: 87.00	Screen Length (feet): 10'
Depth to Water (DTW): 33.71	Well Diameter (inches): 2"
Total Volume Purged (USG): 8 gallons	Casing Type: PVC
Average Purge Rate: 300	PID Headspace (ppm): 0.0
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): ~ 85.00	Color: Colorless Odor: Sulfur-like

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm³) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
1255	33.92		12.0	1621	1.37	7.35	154	-296.1	400
1300	33.89		12.6	2141	1.40	7.00	69	-328.7	300
1305	33.94		12.5	2257	1.07	6.95	39.8	-337.2	300
1310	33.96		12.8	2337	0.90	6.92	23.4	-344.1	300
1315	33.96		12.7	2421	0.91	6.90	12.2	-343.0	300
1320	33.97		12.5	2457	0.91	6.89	7.84	-350.4	300
1325	34.00		12.4	2489	0.92	6.88	5.49	-353.5	300
1330	34.02		12.3	2514	0.95	6.87	3.99	-356.4	300
1335	MW-43A-20241009-01		sample taken						

EP

Sampling Time: 1335

Sample ID:	Analysis Requested:	Filtered Y/N:	Preservative:
MW-43A-20241009-01	VOC	N	HCl

Additional Field Measurements

Notes:

[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.

[2] = Stabilization criteria based on three most recent consecutive measurements.

[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

Site Name: Cheektowaga
Project No.: 0109858

ERM

Monitoring Well: MW-44A	Area: St. Stans
Date: 10/9/24	Sampling Device: YSI Pro Plus
Sampling Personnel: Emma Pawlaski	Monsoon Pump
Weather Conditions: Cloudy, breezy, 56°F	Hach Turbidity Meter
Time: 1500 Scattered showers	

Total Depth (TD)[1]: 46.97	Screen Length (feet): 10'
Depth to Water (DTW): 31.10	Well Diameter (inches): 2"
Total Volume Purged (USG): 13 gallons	Casing Type: PVC
Average Purge Rate: 300	PID Headspace (ppm): 0.00
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): ~ 44.97	Color: Colorless Odor: Sulfur-like

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm³) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
1505	32.31		12.4	1290	2.54	7.33	113	-237.7	400
1510	31.66		12.6	1294	1.61	7.14	66.8	-282.4	380
1515	31.55		12.6	1294	1.64	7.08	49.6	-285.0	200
1520	31.79		12.4	1293	1.46	7.07	84.0	-279.5	200
1525	31.97		12.9	1296	0.84	7.06	76.1	-300.6	380
1530	31.76		12.8	1299	0.60	7.05	65.8	-305.7	300
1535	31.83		12.9	1299	0.55	7.05	53.6	-307.4	300
1540	31.77		13.0	1301	0.52	7.05	49.9	-309.5	300
1545	31.75		13.1	1301	0.49	7.05	54.0	-311.1	300
1550	31.75		13.2	1303	0.46	7.05	40.9	-312.7	300
1555	31.75		13.0	1303	0.44	7.04	36.1	-312.7	300
1600	31.75		12.8	1303	0.41	7.05	41.1	-314.7	300
1605	31.75		12.8	1303	0.39	7.05	31.8	-316.1	300
1610	31.75		12.9	1304	0.37	7.05	25.8	-316.7	300
1615	31.82		12.9	1304	0.35	7.05	24.9	-317.1	300
1620	31.82		13.0	1304	0.34	7.05	32.7	-317.9	300
1625	31.82		12.8	1305	0.46	7.05	30.9	-319.0	300
1630	31.82		12.6	1306	0.43	7.05	18.4	-320.0	300
1635	31.82		12.8	1307	0.41	7.05	13.3	-320.8	300
1640	32.12		12.6	1307	0.40	7.05	19.9	-321.3	300
1645	32.01		12.4	1307	0.38	7.05	9.83	-323.1	300
1650	31.94		12.8	1308	0.37	7.06	8.18	-323.9	300
1655	32.21		12.7	1308	0.37	7.05	9.47	-322.7	300
1700	~~S MW-44A-2024(EP)~~ 32.12		12.4	1309	0.37	7.05	8.47	-324.6	300
1705	32.21		12.4	1309	0.36	7.05	7.13	-325.2	300
1710	MW-44A-20241009-01	sample taken							(EP)

Sampling Time: 1710

Sample ID:	Analysis Requested:	Filtered Y/N:	Preservative:
MW-44A-20241009-01	VOC	N	HCl

Additional Field Measurements

STANS-DUP-20241009-01 @ 1200

Notes:

[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.

[2] = Stabilization criteria based on three most recent consecutive measurements.

[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

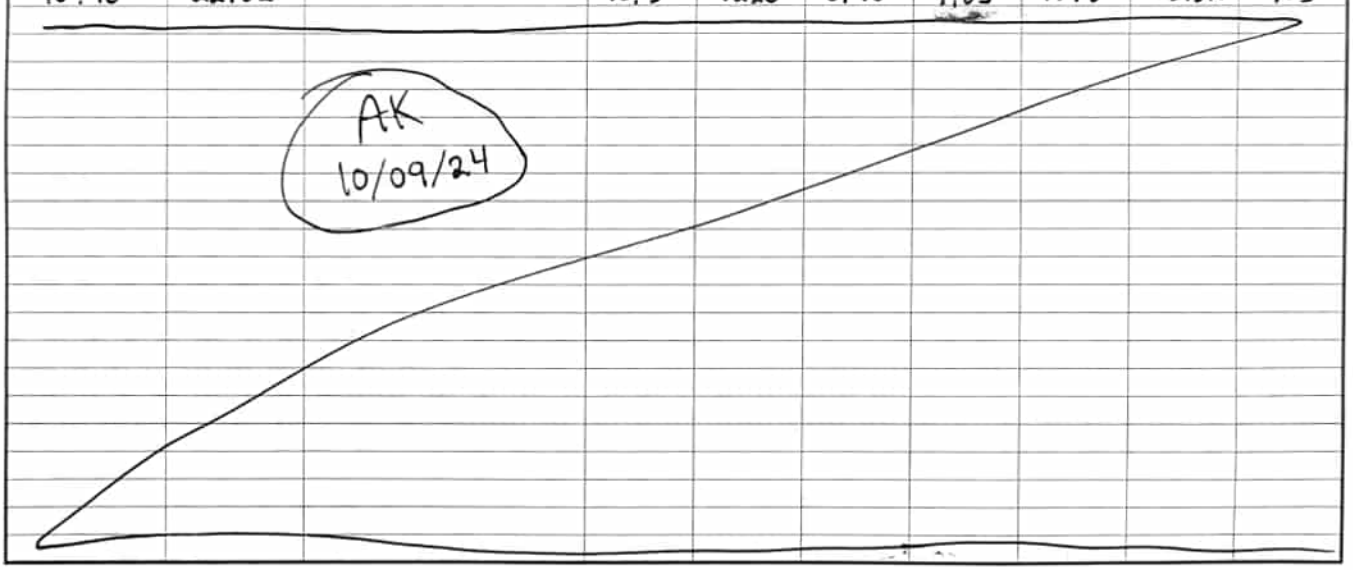
Site Name: Leica - Cheektowaga
Project No.: 0709858

ERM

Monitoring Well: MW-45A	Area: St. Stans
Date: 10/09/24	Sampling Device: PeriPump - ERM
Sampling Personnel: A. Kerstanski	Hach 2100a Turbidity Meter - Pine
Weather Conditions: Clear, 51°F	YSI ProPlus 20C200604 - Pine
Time: 10:05	

Total Depth (TD)[1]: 56.80	Screen Length (feet): 10
Depth to Water (DTW): 22.48	Well Diameter (inches): 2
Total Volume Purged (USG): ~1.5	Casing Type: PVC
Average Purge Rate: 125	PID Headspace (ppm): 0.70
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): ~25	Color: Clear Odor: Sulfur-like

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
10:10	22.55		13.4	1187	0.80	7.10	5.19	-167.5	125
10:15	22.58		13.4	1215	0.48	7.04	2.96	-241.8	125
10:20	22.64		13.5	1217	0.28	7.06	2.76	-248.5	125
10:25	22.66		13.4	1221	0.18	7.05	1.93	-250.2	125
10:30	22.65		13.4	1220	0.15	7.05	1.49	-249.5	125
10:35	22.65		13.3	1222	0.11	7.04	1.44	-251.8	125
10:40	22.62		13.3	1220	0.10	7.05	1.76	-248.0	125



Sampling Time: 10:45

Sample ID:	Analysis Requested:	Filtered Y/N:	Preservative:
MW-45A-20241009-01	VOC	N	HCl

Additional Field Measurements

Notes:
[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
[2] = Stabilization criteria based on three most recent consecutive measurements.
[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

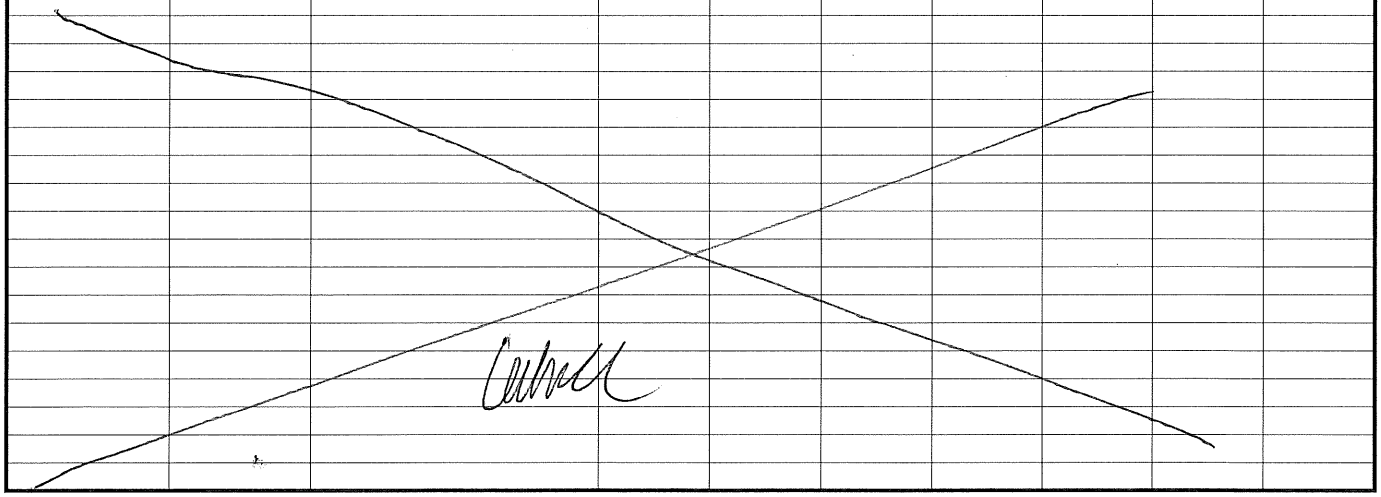
Low-Flow Groundwater Sampling Form

Site Name: Wellington - Leica
Project No.: 0706858

Monitoring Well: MW-47	Area: Jungle
Date: 10/9/24	Sampling Device: YSI pro plus 446721
Sampling Personnel: Calista N	peri pump 210318
Weather Conditions: Cloudy 57	water level 14042
Time: 13:05	turbidity meter 334161

Total Depth (TD)[1]: 14.40	Screen Length (feet): 10
Depth to Water (DTW): 9.28	Well Diameter (inches): 2
Total Volume Purged (USG): ~2.5	Casing Type: PVC
Average Purge Rate: 150	PID Headspace (ppm): 4.7
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): ~14.0	Color: Cloudy Odor: none

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm[3]) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
13:10	9.48		14.0	1220	3.83	6.81	OVER	-42.5	150
13:15	10.30		14.5	1196	0.77	6.81	OVER	-61.8	150
13:20	11.00		13.9	1176	0.63	6.80	OVER	-60.0	150
13:25	11.65		14.1	1181	0.57	6.81	OVER	-60.9	150
13:30	12.05		13.9	1182	0.52	6.84	434	-66.1	150
13:35	12.40		13.9	1185	0.44	6.89	182	-75.8	150
13:40	12.76		13.8	1191	0.42	6.89	132	-77.0	150
13:45	13.20		13.7	1191	0.49	6.88	127	-76.5	150
13:50	13.53		13.6	1182	0.47	6.84	122	-72.0	150



Sampling Time: 13:55

Sample ID: MW-47-20241009-01

Additional Field Measurements

Analysis Requested: VOC 8260
Dissolved Gas RSK 175
TOC 5310
Total / Dissolved Metals
Sulfide 4500-S2-F
Nitrate / Nitrite E353.2
Sulfate / Chloride D516
Alkalinity 2320

Filtered Y/(N)

Preservative: HCl
HCl
Sulfuric
Nitric
NaOH + Zn Acetate
None
None
None

Notes:
[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
[2] = Stabilization criteria based on three most recent consecutive measurements.
[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

Site Name: Chevron Wagga-Leica
Project No.: 0709858

ERM

Monitoring Well: MW-48	Area: jungle
Date: 10/9/24	Sampling Device: YSI pro plus 4471
Sampling Personnel: Elista N	Peristaltic pump (Pine) 21038
Weather Conditions: Clear	Water level (Pine) 14042
Time: 10:45 11:00	Turbidity meter (Pine) 25434

Total Depth (TD)[1]: 11.29	Screen Length (feet): 5
Depth to Water (DTW): 9.28	Well Diameter (inches): 2
Total Volume Purged (USG): <1	Casing Type: PVC
Average Purge Rate: 150	PID Headspace (ppm): 0.5
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): ~11.0	Color: Clear Odor: none

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm³) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
11:05	9.50		14.1	1023	16.07	6.45	10.9	17.0	150
11:10	10.22	well went dry	14.3	1007	3.85	6.51	46.6	41.5	150
~~11:15~~									
~~11:20~~									
~~11:25~~									
~~11:30~~									
~~11:35~~									

(2)

Sampling Time: 10/10/24 7:50

Sample ID:

Additional Field Measurements

MW-48-20241010[0]-01

Analysis Requested:
VOC 8260
Dissolved (as RSK 175
TOC 5310
Total / Dissolved metals 6010
Sulfide 4500-S2-F
Nitrate / Nitrite E353.2
Sulfate / Chloride D516
Alkalinity 2320

Filtered Y/N: N

Preservative:
HCl
HCl
Sulfuric
Nitric
NaOH / Zn Acetate
none
none
none

Notes:
[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
[2] = Stabilization criteria based on three most recent consecutive measurements.
[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

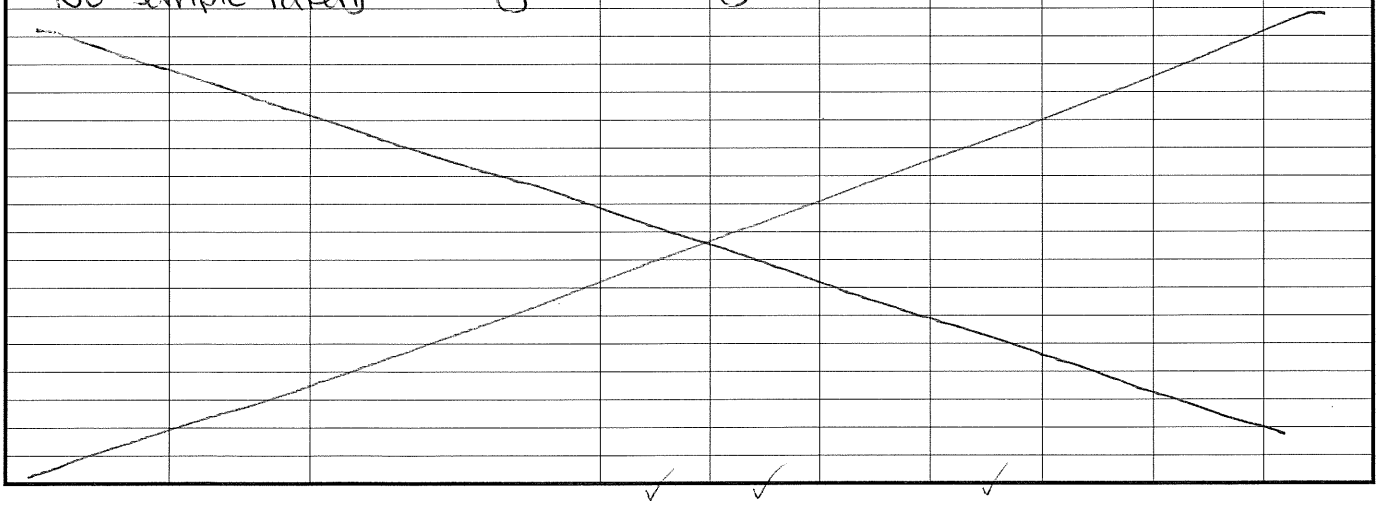
Site Name: Cheektowaga
Project No.: 0709858

ERM

Monitoring Well: MW-49	Area: Jungle Fence
Date: 10/8/24	Sampling Device: YSI Pro Plus
Sampling Personnel: Emma N Ruhadski	Peri Pump
Weather Conditions: Light rain, cloudy, 60°F	LaMotte Turbidity Meter
Time: 1445	

Total Depth (TD)[1]: 12.35	Screen Length (feet): 5
Depth to Water (DTW): 9.41	Well Diameter (inches): 2"
Total Volume Purged (USG): 2.5 gallons	Casing Type: PVC
Average Purge Rate: 250	PID Headspace (ppm): 2.80
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): ~11.35	Color: Clear Odor: None

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm³) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
1450	10.28		16.0	1036	1.17	6.73	0.73	-67.7	300
1455	10.65		15.8	1026	0.62	6.74	0.77	-78.6	250
1500	10.86		15.8	1024	0.52	6.74	0.56	-80.8	250
1505	11.03		15.8	1022	0.46	6.75	0.90	-81.2	250
1510	11.25		15.7	1022	0.45	6.76	0.93	-75.5	250
1515	11.60		15.6	1045	1.37	6.79	8.55	-70.9	250
1520	11.97		15.5	1032	0.39	6.78	13.66	-77.8	250
1525	12.18		15.5	1029	1.24	6.82	36.01	-74.4	250
1525 well ran dry, waiting for recharge No sample taken.									



Sampling Time: 10/9/24 9:00

Sample ID: MW-49-20241009-01

Additional Field Measurements

Analysis Requested: Filtered Y (N):

VOCs 8260
Dissolved Gas RSK 175
TOC 5310
Total / Dissolved Metals 6010
Sulfide 4500-S2-F
Nitrate/Nitrite E353.2
Sulfate / Chloride
Alkalinity

Preservative:

HCl
HCl
Sulfuric
Nitric
NaOH + Zn Acetate
None
None
None

Notes:

[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
[2] = Stabilization criteria based on three most recent consecutive measurements.
[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

Site Name: Cheektowaga - Leica
Project No.: 0109858

ERM

Monitoring Well: MW-50	Area: Onsite
Date: 10/4/24	Sampling Device: YSI pro plus 44721
Sampling Personnel: Jillian N	pen pump 210318
Weather Conditions: Clear 49°	water level 14042
Time: 9:15	turbidity meter 25434

Total Depth (TD)[1]: 10.90	Screen Length (feet): 5
Depth to Water (DTW): 8.84	Well Diameter (inches): 2
Total Volume Purged (USG): ~5.0	Casing Type: PVC
Average Purge Rate: 150	PID Headspace (ppm): 0.0
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): ~9.90	Color: Clear Odor: Organic-like

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm³) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
9:20	9.10		15.1	1248	7.05	6.69	9.25	-56.6	150
9:25	9.35		15.3	1214	3.07	6.84	14.5	-122.4	150
9:30	9.66		15.3	1159	1.57	6.94	36.2	-134.5	150
9:35	9.67		15.2	1134	1.21	6.97	31.2	-138.1	150
9:40	9.72		15.2	1106	1.04	6.96	60.5	-138.6	150
9:45	9.75		15.1	1084	0.93	6.97	32.5	-139.2	150
9:50	9.76		15.1	1069	0.84	6.96	22.1	-139.4	150
9:55	9.70		15.1	1064	0.77	6.96	10.7	-141.6	150
10:00	9.70		15.1	1064	0.69	6.96	7.75	-143.2	150
10:05	9.70		15.1	1057	0.65	6.96	6.81	-144.5	150
10:10	9.70		15.1	1053	0.60	6.96	4.54	-145.6	150
10:15	9.70		15.1	1045	0.53	6.96	4.52	-146.5	150
10:20	9.70		15.1	1044	0.50	6.96	3.78	-147.7	150
10:25	9.70		15.1	1043	0.48	6.96	3.33	-149.0	150
10:30	9.70		15.1	1041	0.48	6.97	3.17	-150.1	150

Sampling Time: 10:35

Sample ID:
MW-50-20241009-01

Additional Field Measurements

Analysis Requested:
VOC 8260
Dissolved (as PBK) 175
Total/Dissolved Metals 6010D
TOC 5310
Sulfide 4500-S2-F
Nitrate/Nitrite E353.2
Sulfate/Chloride D516
Alkalinity 2320

Filtered Y/(N)

Preservative:
HCl
HCl
~~Sulfuric~~ Nitric
Sulfuric
NaOH / Zn Acetate
none
none
none

Notes:
[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
[2] = Stabilization criteria based on three most recent consecutive measurements.
[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

Site Name: Cheektowaga - Leica
Project No.: 0709858

ERM

Monitoring Well: MW-51	Area: Jungle
Date: 10/9/24	Sampling Device: YSI pro plus 24721
Sampling Personnel: Erin N	pen pump (Pine)
Weather Conditions: Cloudy 57°	water level (Pine) 14042
Time: 14:30	turbidity meter (Pine) 33461

Total Depth (TD)[1]: 11.10	Screen Length (feet): 5
Depth to Water (DTW): 9.30	Well Diameter (inches): 2
Total Volume Purged (USG): ~1	Casing Type: PVC
Average Purge Rate: 150	PID Headspace (ppm): 13.0
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): ~ 10.50	Color: turbid Odor: none

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm³) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
14 14:50	9.60		14.4	1221	0.52	6.69	over	-7.4	150
14 14:55	10.90		14.2	1210	0.42	6.75	over	-48.7	150
~~1504~~		well went dry - extremely silty bottom							

Sampling Time: 10/10/24 9:50

Sample ID: MW-51-20241010-01

Analysis Requested: VOC 8260
Dissolved Gas RSK 175
TOC 5310
Total / Dissolved metals 6010
Sulfide 4500-S2-F
Nitrate / Nitrite E353.2
Sulfate / Chloride D516
~~Alkalinity~~

Filtered Y/(N):

Preservative: HCl HCl Sulfuric Nitric NaOH / Zn Acetate None None ~~None~~

Additional Field Measurements

Notes:
[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
[2] = Stabilization criteria based on three most recent consecutive measurements.
[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

very silty

Low-Flow Groundwater Sampling Form

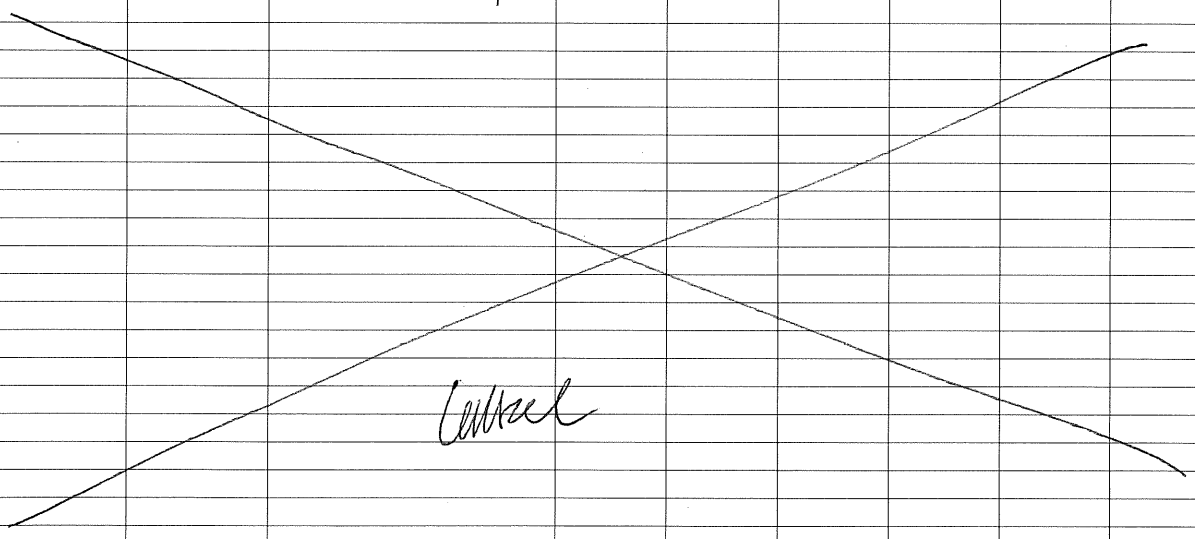
Site Name: Leica Creek Transect
Project No.: 0709858

ERM

Monitoring Well: MW-52	Area: jungle
Date: 10/9/24	Sampling Device: YSI PRO PLUS 441721
Sampling Personnel: Elijte N	peri pump 210318
Weather Conditions: cloudy 55°	water level 14042
Time: 11:20	turbidity meter 25434

Total Depth (TD)[1]: 11.20	Screen Length (feet): 5
Depth to Water (DTW): 9.00	Well Diameter (inches): 2
Total Volume Purged (USG): ~1.5	Casing Type: PVC
Average Purge Rate: 150	PID Headspace (ppm): 0.4
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): ~11.0	Color: ~~clear~~ cloudy Odor: None

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm³) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	* Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
11:25	9.20		14.6	1270	2.28	6.69	–	67.8	150
11:30	9.65		14.8	1277	1.57	6.72	–	61.9	150
11:35	9.94		14.9	1284	1.17	6.72	–	48.6	150
11:40	10.28		14.8	1294	0.88	6.73	–	54.4	150
11:45	10.68		14.8	1299	0.68	6.75	–	23.7	150
11:50	11.10	well went dry	14.8	1296	0.53	6.76	–	-43.5	150



Sampling Time: 10/10/24 8:30

Sample ID: MW-52-20241009-01

Analysis Requested: VOC 8260
Dissolved Gas RSK175
TOC 5310
* Dissolved / Total metals 6010
Sulfide 4500-S2-F
Nitrate / Nitrite E353.2
Sulfate / Chloride D516
Alkalinity 2320

Filtered Y (N)

Preservative:
HCl
HCl
Sulfuric
Nitric
NaOH / Zn Acetate
None
None
None

Additional Field Measurements

* turbidity meter malfunctioning

Notes:

[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.

[2] = Stabilization criteria based on three most recent consecutive measurements.

[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

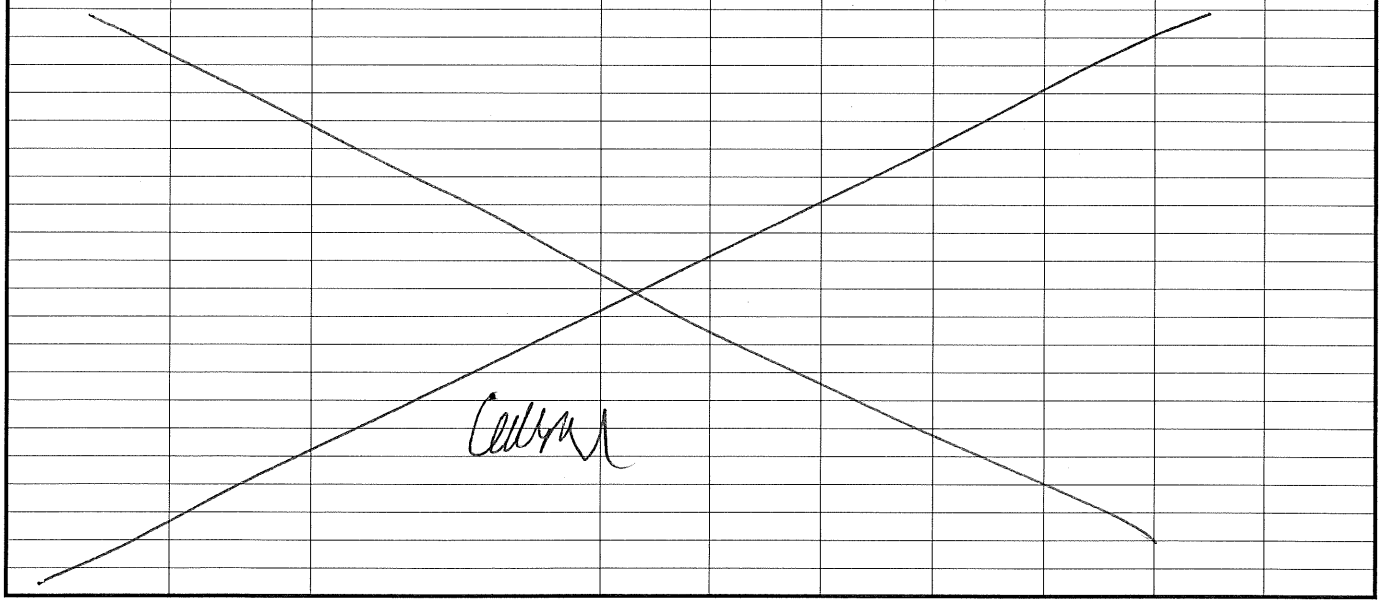
Site Name: Creekturn (2) - Leica
Project No.: 0704858

ERM

Monitoring Well: MW-53	Area: Jungle
Date: 10/9/24	Sampling Device: YSI PRO DSS 24721
Sampling Personnel: Elise N	Peri pump (Pine) 10318
Weather Conditions: Clear 56°	Water level (Oire) 14042
Time: 12:00	Turbidity meter (Pine) 33461

Total Depth (TD)[1]: 9.83	Screen Length (feet): 5
Depth to Water (DTW): 8.33	Well Diameter (inches): 2
Total Volume Purged (USG): ~1	Casing Type: PVC
Average Purge Rate: 150	PID Headspace (ppm): 0.8
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): ~9.00	Color: Cloudy to clear Odor: None

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm³) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
12:05	8.37		15.2	1380	4.11	6.81	71.5	3.6	150
12:10	8.66		15.2	1371	3.66	6.80	60.9	39.7	150
12:15	9.05		15.1	1383	2.99	6.89	29.0	61.8	150
12:20	9.45		15.1	1392	1.64	6.91	33.0	57.1	150
		well went dry							



Sampling Time: 10/10/24 9:10

Sample ID:
MW-53-20241009-01

Additional Field Measurements

Analysis Requested:
VOC 8260
Dissolved Gas RSK175
TOC 5310
total / Dissolved metals 6010
sulfide 4500-S2-F
Nitrate / Nitrite E353.2
Sulfate / Chloride D516
Alkalinity 2320

Filtered Y/(N):

Preservative:
HCl
HCl
SULFURIC
~~Total / Dissolved~~ NITRIC
NaOH / ZN Acetate
none
none
none

Notes:
[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
[2] = Stabilization criteria based on three most recent consecutive measurements.
[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

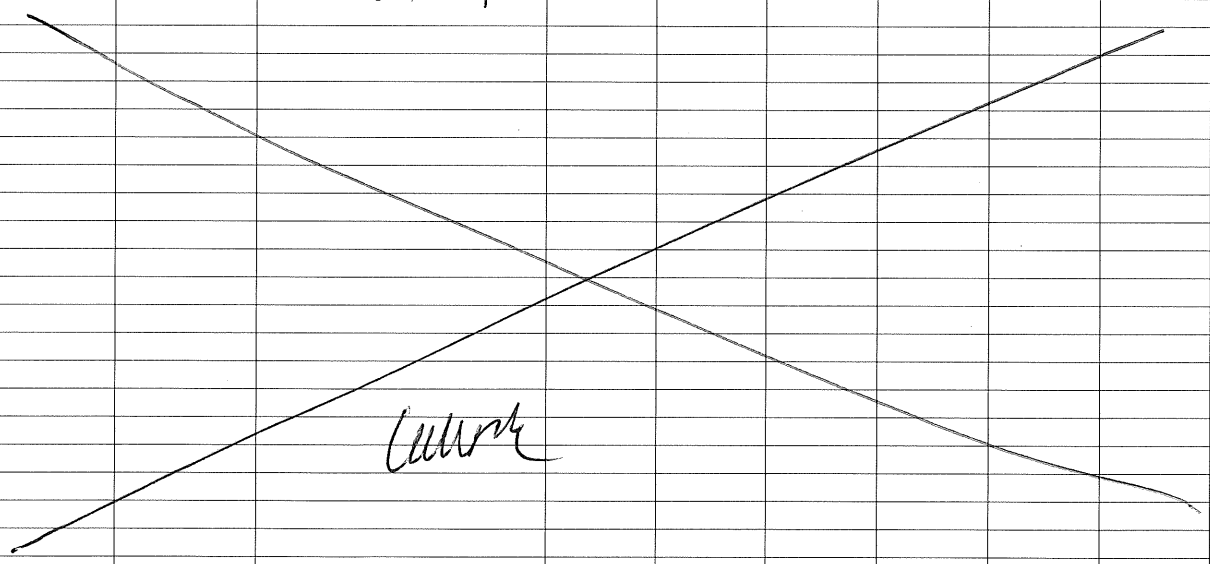
Site Name: Cheektowaga- Leic2
Project No.: 0709858

ERM

Monitoring Well: MW-54	Area: Jungle
Date: 10/9/24	Sampling Device: YSI PRO PLUS 44721
Sampling Personnel: Elise N	pen pump 210318
Weather Conditions: Clear	water level 14042
Time: 12:25	turbidity meter 13461

Total Depth (TD)[1]: 10.40	Screen Length (feet): 5
Depth to Water (DTW): 8.50	Well Diameter (inches): 2
Total Volume Purged (USG): N/A	Casing Type: PVC
Average Purge Rate: 150	PID Headspace (ppm): 1.4
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): ~ 10.0	Color: Cloudy Odor: None

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm³) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
12:35	8.85		15.4	1464	1.79	6.89	144	-97.0	150
12:40	9.82		15.2	1239	0.41	6.73	86.5	-92.5	150
12:45	9.47		15.1	1165	0.38	6.77	47.7	-104.3	150
12:50	9.83		15.0	1279	0.40	6.83	76.7	-107.7	150
12:55	10.18	Well went dry	15.1	1344	0.40	6.86	181	-113.8	150



Sampling Time: 10/10/24 9:00

Sample ID:
MW-54-20241010-01

Additional Field Measurements

Analysis Requested:
VOC 8260
Dissolved Gas RSK 175
TOC 5310
Total / Dissolved metals 6010
Sulfide 4500-S2-F
Nitrate / Nitrite E353.2
Sulfate / Chloride D516
Alkalinity 2320

Filtered Y/(N)

Preservative:
HCl
HCl
Sulfuric
Nitric
NaOH / Zn Acetate
None
None
None

Notes:
[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
[2] = Stabilization criteria based on three most recent consecutive measurements.
[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

ERM

Site Name: Leica Cheektowaga
Project No.: 0709858

Monitoring Well: MW-34A	Area: Onsite
Date: 10/11/24	Sampling Device: YSI PRO DSS 22333S
Sampling Personnel: Olivia N	peri pump (Geotech)
Weather Conditions: Cloudy 60	water level (Geotech)
Time: 1:55	turbidity meter (Geotech)

Total Depth (TD)[1]: 40.04	Screen Length (feet): 10
Depth to Water (DTW): 16.43	Well Diameter (inches): 2
Total Volume Purged (USG): N 5.0	Casing Type: PVC
Average Purge Rate: 150	PID Headspace (ppm): –
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): N 38.04	Color: Clear Odor: Organic-like

Time: (min) Stabilization Criteria[2]	DTW: (feet)	Comments:	Temp (°C) +/- 3%	SpC (uS/cm) +/- 3%	*DO* (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	Turb NTU +/- 10%[3]	ORP mV +/- 10 mV	Flow (mL/min) 100-400
2:00	16.80		14.8	1213	9.82	7.30	13.8	-149.0	150
2:05	19.00	YSI DO not working stop purging to fix	13.90	1346	9.82	7.10	–	-246.2	150
2:10	16.65	restarted pump	15.6	1357	0.87	6.99	8.17	-194.3	150
2:15	16.95		13.8	1365	-0.59	7.05	7.04	-224.6	150
2:20	16.98		13.8	1364	-0.75	7.05	6.19	-239.8	150
2:25	16.98		13.7	1359	-0.81	7.05	6.07	-249.7	150
2:30	16.98		13.7	1357	-0.84	7.05	6.09	-258.6	150
2:35	16.98		13.7	1359	-0.86	7.06	3.53	-264.8	150
2:40	16.98		13.6	1361	-0.87	7.06	3.84	-271.0	150
2:45	16.98		13.7	1363	-0.88	7.06	5.52	-277.7	150
2:50	16.98		13.6	1365	-0.89	7.07	5.63	-283.9	150
2:55	16.98		13.6	1365	-0.90	7.07	5.78	-290.3	150
3:00	16.98		13.7	1367	-0.90	7.07	5.35	-296.9	150
3:05	16.98		13.6	1365	-0.90	7.07	5.43	-303.0	150
3:10	16.98		13.8	1369	-0.90	7.07	5.42	-308.5	150
3:15	16.98		13.8	1369	-0.91	7.08	5.62	-312.8	150
~~3:20~~									

Sampling Time: 15:20

Sample ID: MW-34A-20241011-01

Additional Field Measurements

Analysis Requested: TOC 5310
Dissolved Gas RSK175
Sulfide 4500-S2-F
TOH / Dissolved metals
Chloride / Sulfate
Nitrite / Nitrate
Alkalinity

Filtered Y (N)

Preservative: Sulfuric
HCl
NaOH + Zn Acetate
Nitric
None
None
None

Notes:
[1] = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
[2] = Stabilization criteria based on three most recent consecutive measurements.
[3] = Plus or minus 10-percent when turbidity is over 10 NTUs.

* DO sensor malfunction *

APPENDIX G GROUNDWATER ANALYTICAL TREND PLOTS

Table G1
Summary of Mann-Kendall Analyses
Former Leica Microsystems - Cheektowaga Facility
Cheektowaga, New York

Well ID	Mann-Kendall Result	Detection Rate	Meets Requirements?	p-value
MW-6A	*Not Significant*	5/5 (100%)	**Yes**	1.000
MW-11A	*Not Significant*	11/11 (100%)	**Yes**	0.118
MW-14	*Not Significant*	8/8 (100%)	**Yes**	0.708
MW-16A	--	2/2 (100%)	No	--
MW-23	--	0/7 (0%)	No	--
MW-24A	--	2/2 (100%)	No	--
MW-25	--	0/11 (0%)	No	--
MW-25A	*Not Significant*	11/11 (100%)	**Yes**	0.879
MW-26	--	2/12 (17%)	No	--
MW-26A	**Increasing**	10/11 (91%)	**Yes**	**0.0264**
MW-27	--	0/8 (0%)	No	--
MW-27A	--	0/8 (0%)	No	--
MW-28	**Decreasing**	11/11 (100%)	**Yes**	**0.00995**
MW-28A	--	5/11 (45%)	No	--
MW-29	*Not Significant*	10/11 (91%)	**Yes**	0.435
MW-29A	--	0/10 (0%)	No	--
MW-31	--	0/4 (0%)	No	--
MW-31D	--	0/4 (0%)	No	--
MW-33	--	1/3 (33%)	No	--
MW-33A	*Not Significant*	5/8 (63%)	**Yes**	0.899
MW-34	--	0/8 (0%)	No	--
MW-34A	*Not Significant*	8/8 (100%)	**Yes**	0.179
MW-35A	--	0/8 (0%)	No	--
MW-36	*Not Significant*	10/10 (100%)	**Yes**	0.0726
MW-37	--	0/2 (0%)	No	--
MW-37A	--	0/8 (0%)	No	--
MW-38	--	0/3 (0%)	No	--
MW-38A	--	0/8 (0%)	No	--
MW-39	*Not Significant*	6/6 (100%)	**Yes**	0.469
MW-40	*Not Sampled During Period*			
MW-40A	**Decreasing**	9/9 (100%)	**Yes**	**0.00613**
MW-41	--	0/4 (0%)	No	--
MW-41A	--	1/9 (11%)	No	--
MW-42	*Not Sampled During Period*			
MW-42A	*Not Significant*	9/9 (100%)	**Yes**	0.260
MW-43	*Not Sampled During Period*			
MW-43A	--	3/9 (33%)	No	--
MW-44	--	0/7 (0%)	No	--
MW-44A	*Not Significant*	9/9 (100%)	**Yes**	0.173

Table G1
Summary of Mann-Kendall Analyses
Former Leica Microsystems - Cheektowaga Facility
Cheektowaga, New York

Well ID	Mann-Kendall Result	Detection Rate	Meets Requirements?	p-value
MW-45	*Not Sampled During Period*			
MW-45A	*Not Significant*	9/9 (100%)	**Yes**	0.180
MW-47	*Not Significant*	7/7 (100%)	**Yes**	1.000
MW-48	*Not Significant*	10/10 (100%)	**Yes**	0.727
MW-49	*Not Significant*	9/10 (90%)	**Yes**	0.601
MW-50	**Increasing**	10/10 (100%)	**Yes**	**0.0466**
MW-51	*Not Significant*	6/6 (100%)	**Yes**	0.719
MW-52	*Not Significant*	10/10 (100%)	**Yes**	0.601
MW-53	*Not Significant*	10/10 (100%)	**Yes**	0.156
MW-54	*Not Significant*	7/7 (100%)	**Yes**	0.773
MW-55	*Not Sampled During Period*			
MW-56	*Not Sampled During Period*			
MW-57	*Not Sampled During Period*			
MW-58	*Not Sampled During Period*			
MW-59	*Not Sampled During Period*			
MW-60	--	1/1 (100%)	No	--
MW-61	*Not Sampled During Period*			
MW-62	*Not Sampled During Period*			
MW-63	*Not Sampled During Period*			
MW-64	*Not Sampled During Period*			
INT-2R	--	1/1 (100%)	No	--
INT-13	--	1/1 (100%)	No	--
INT-14	*Not Sampled During Period*			

Notes:

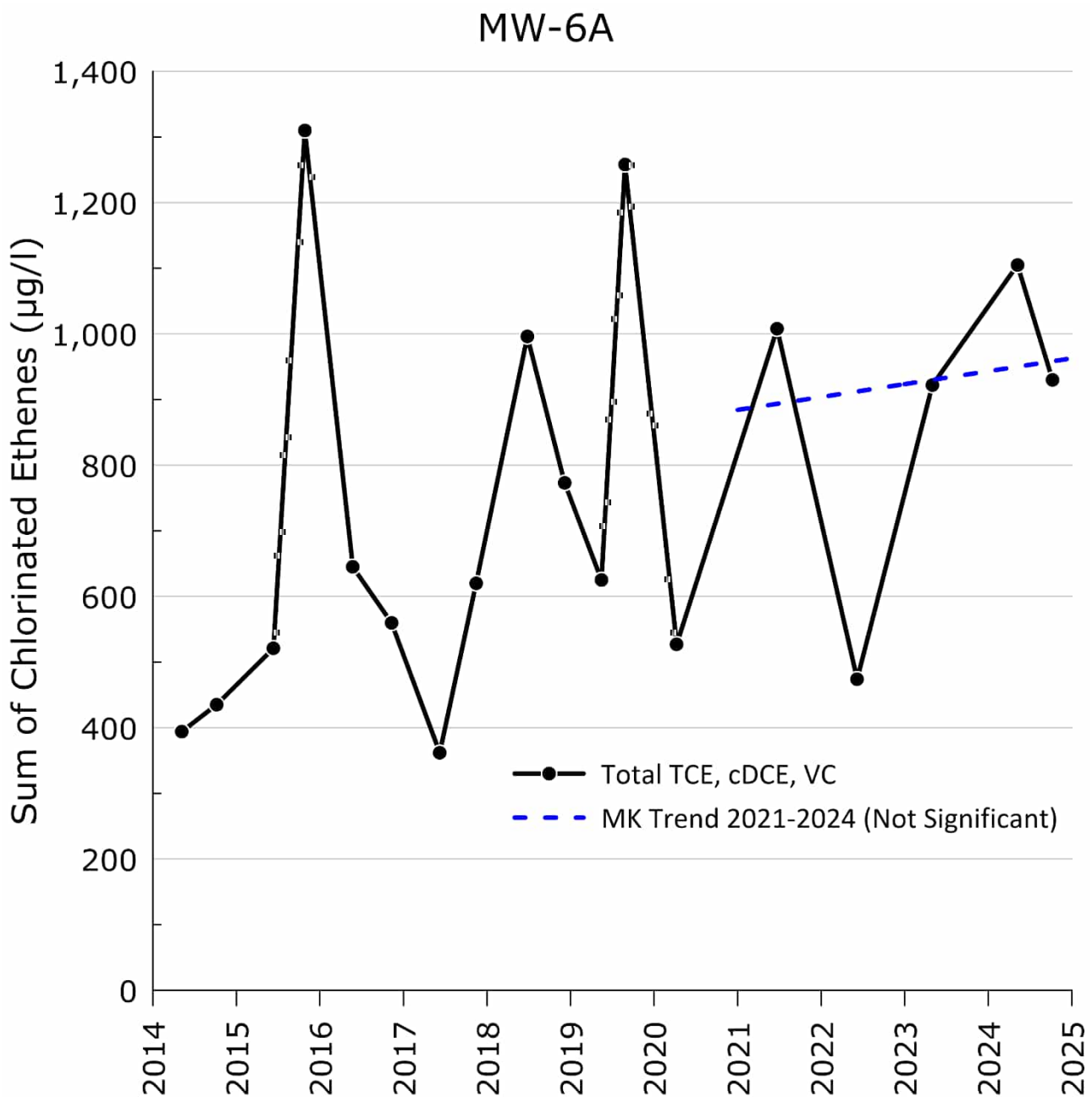
Wells with sufficient data for analysis include those with:

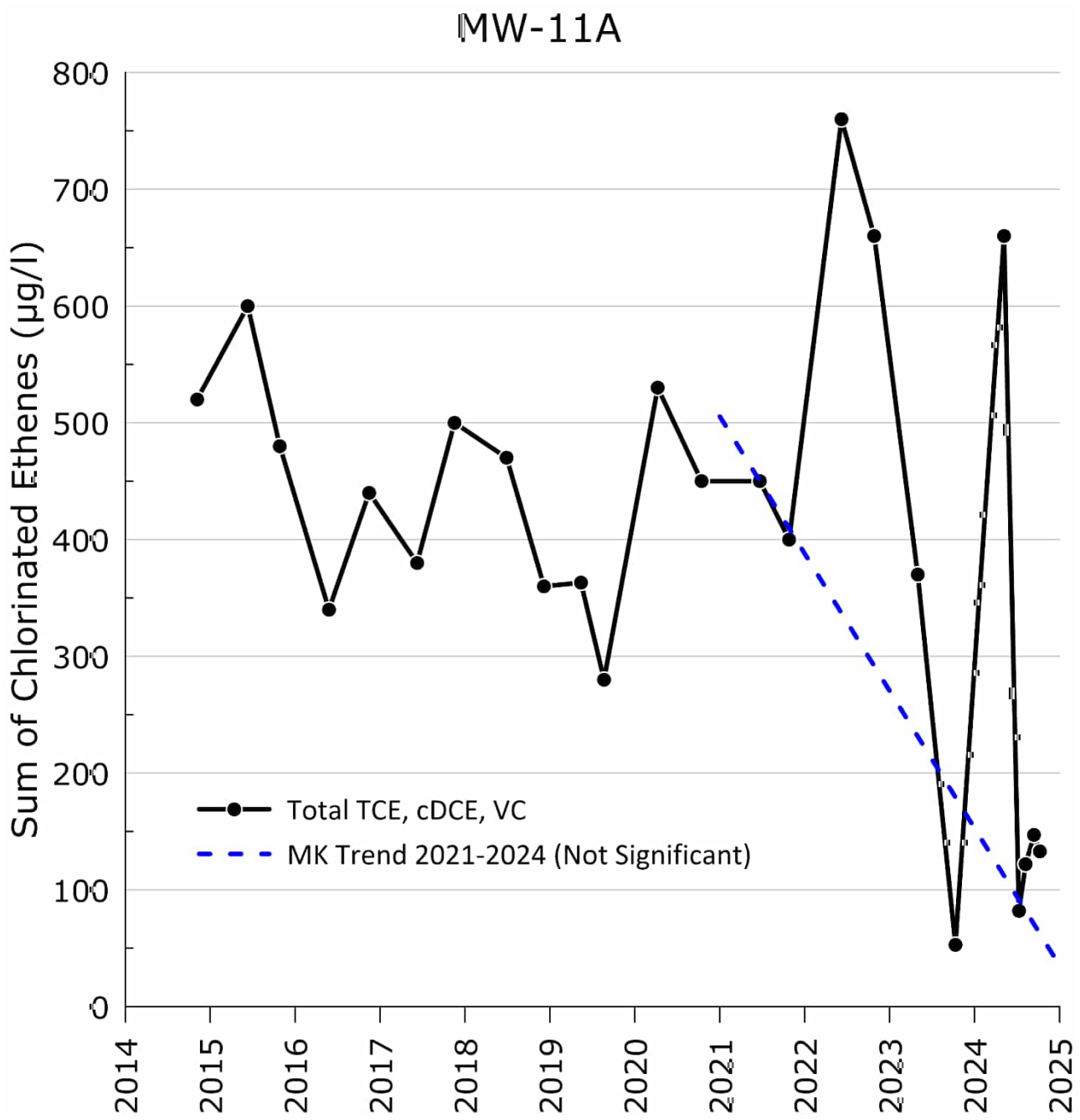
(1) at least 50% of the samples have positive detections; and

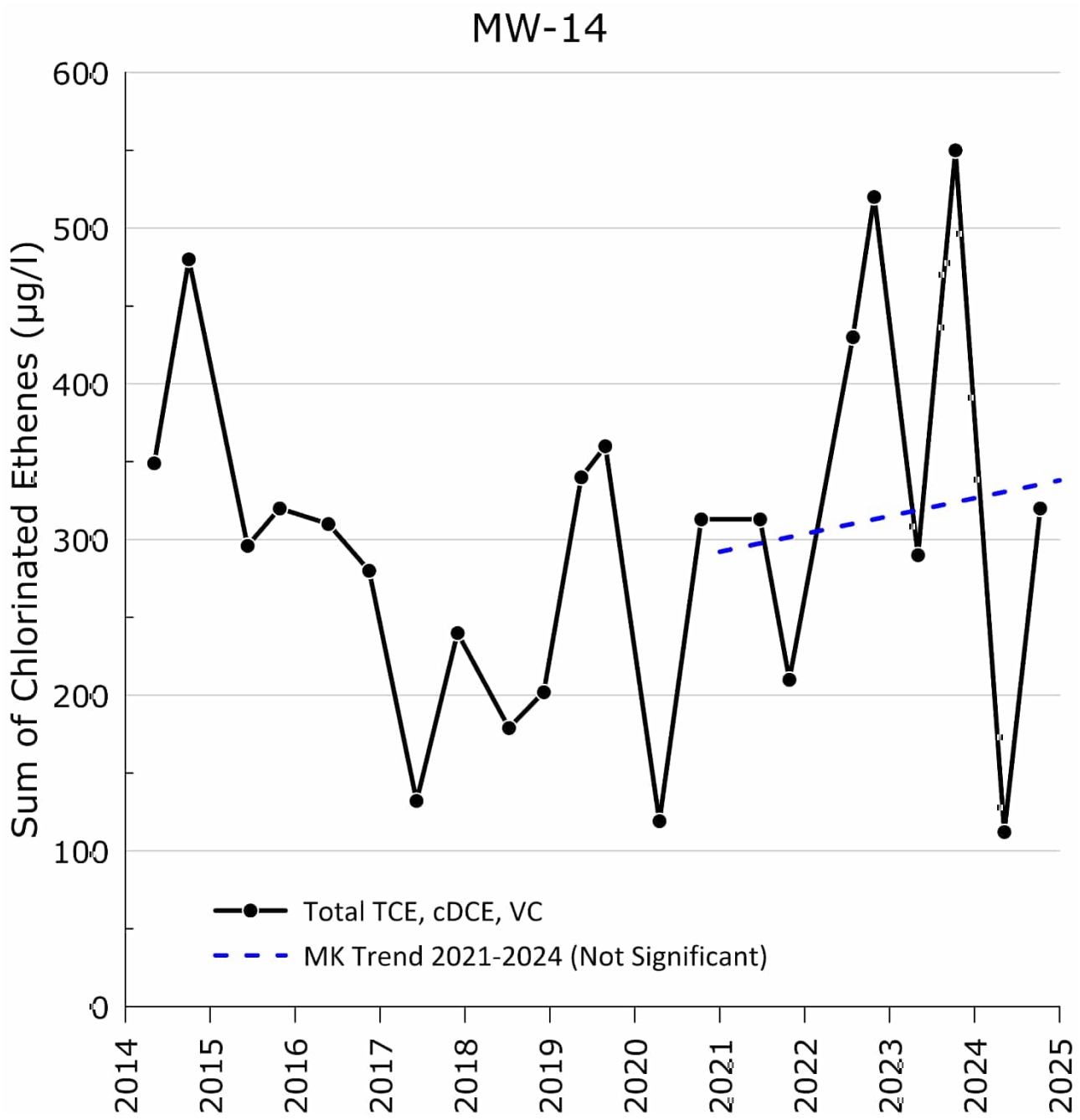
(2) a minimum of five samples have positive detections.

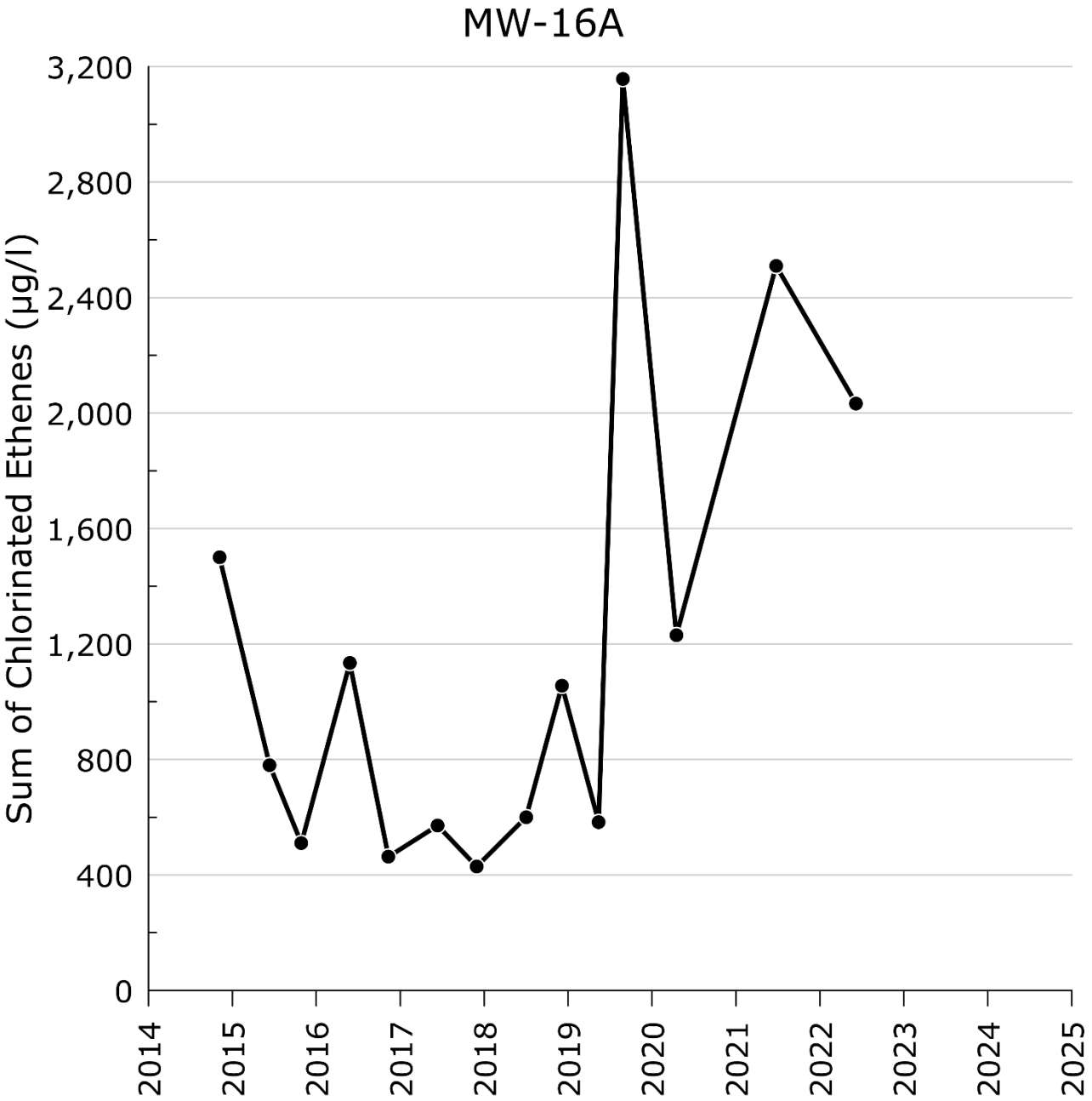
Significantly increasing or decreasing trends are identified at a p-value of less than or equal to 0.05.

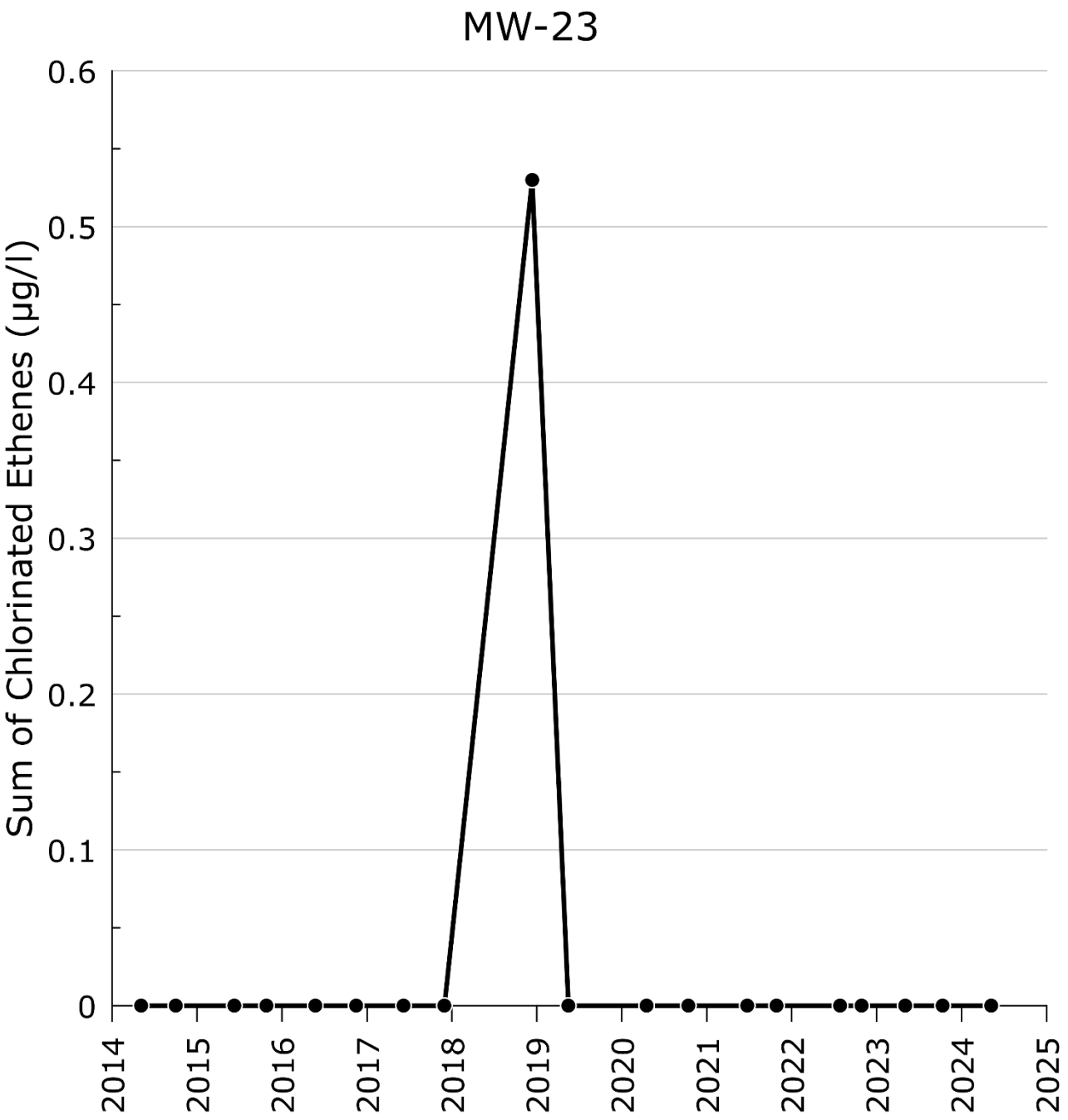
Trend analysis performed on all data 2021-2024

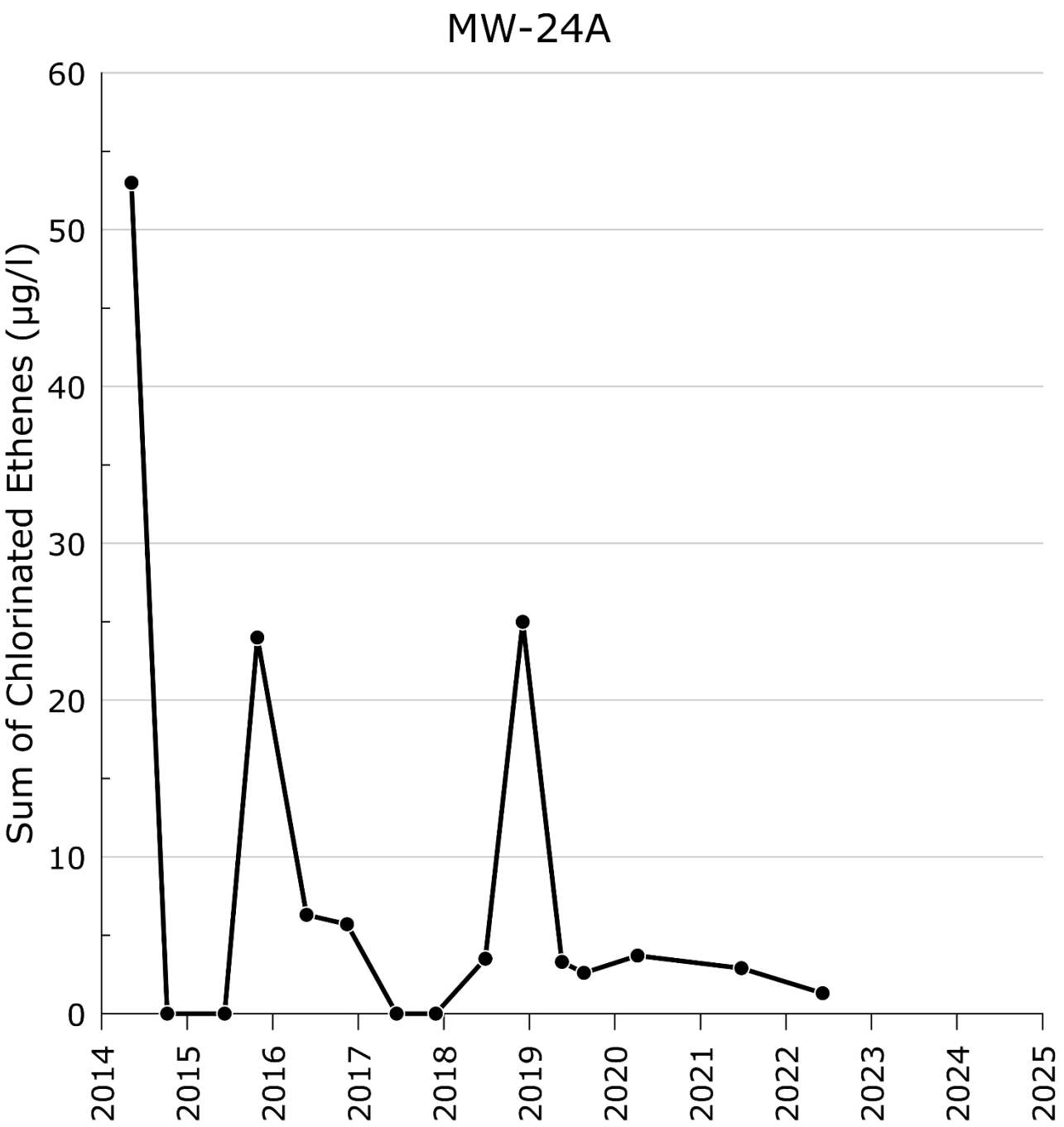

MW-6A
Sum of Chlorinated Ethenes (µg/l)
1,400
1,200
1,000
800
600
400
200
0
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
Total TCE, cDCE, VC
MK Trend 2021-2024 (Not Significant)


MW-11A
Sum of Chlorinated Ethenes (µg/l)
800
700
600
500
400
300
200
100
0
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
Total TCE, cDCE, VC
MK Trend 2021-2024 (Not Significant)

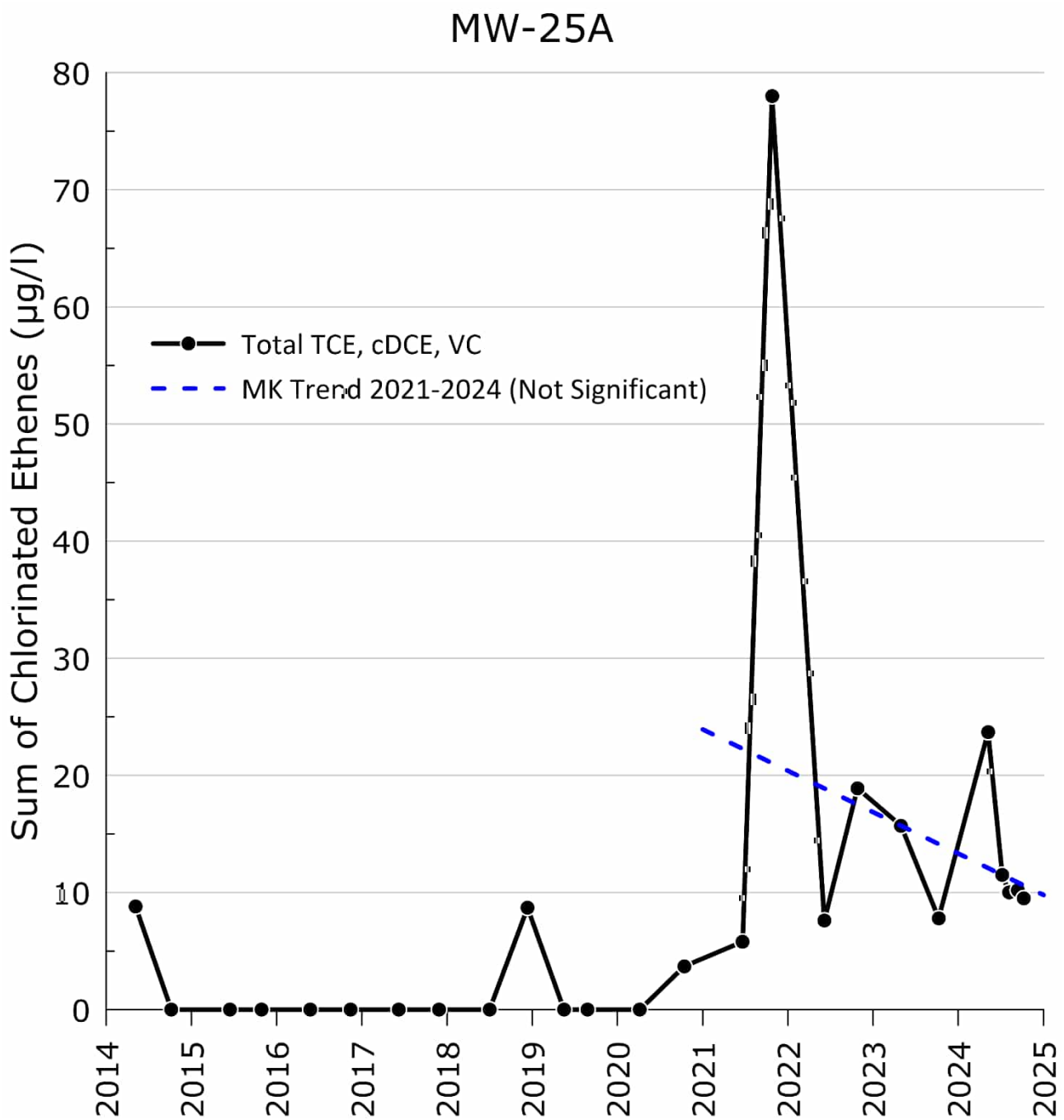

MW-14
Sum of Chlorinated Ethenes (µg/l)
600
500
400
300
200
100
0
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
Total TCE, cDCE, VC
MK Trend 2021-2024 (Not Significant)

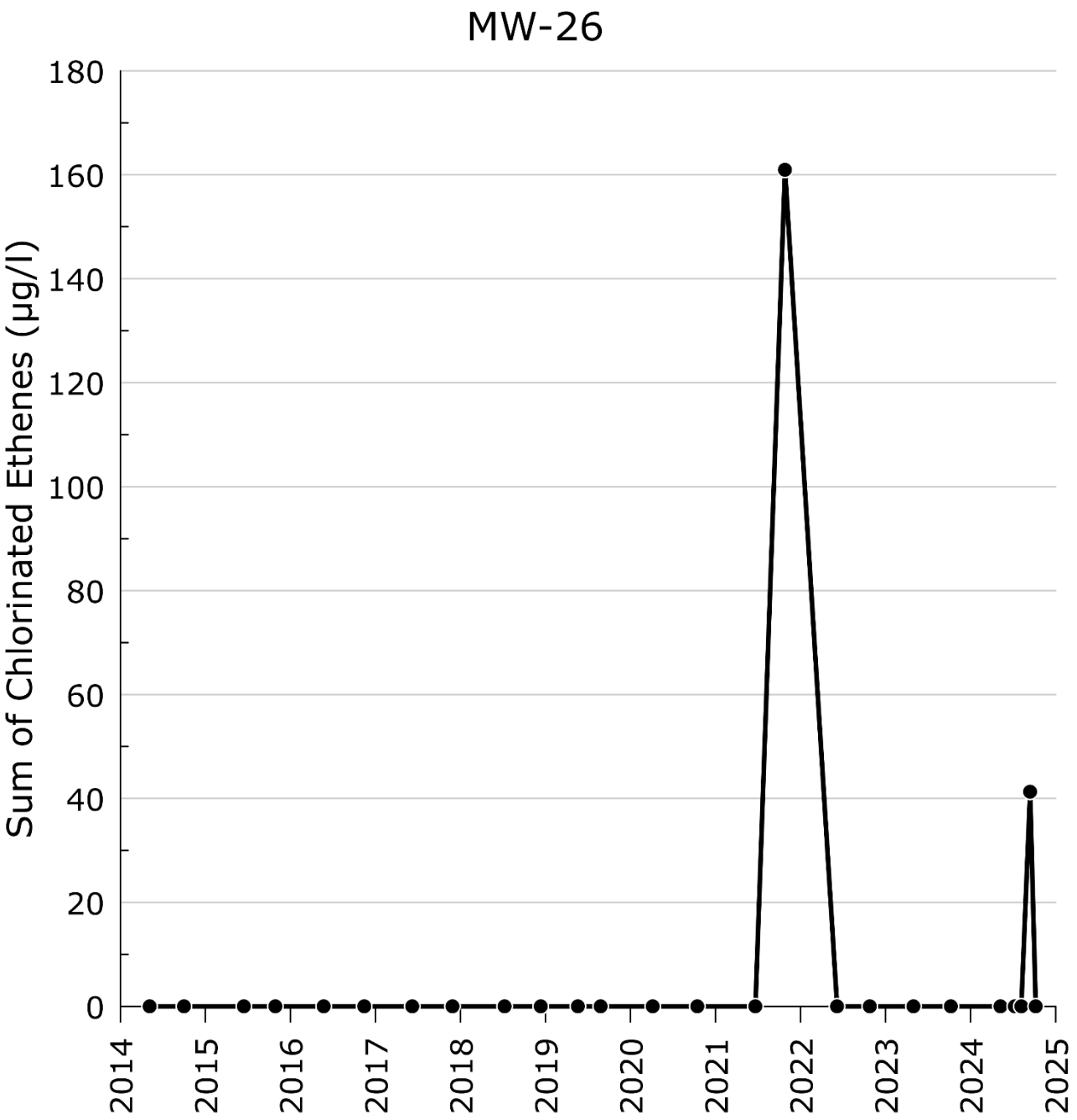

MW-16A
Sum of Chlorinated Ethenes (µg/l)
3,200
2,800
2,400
2,000
1,600
1,200
800
400
0
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025

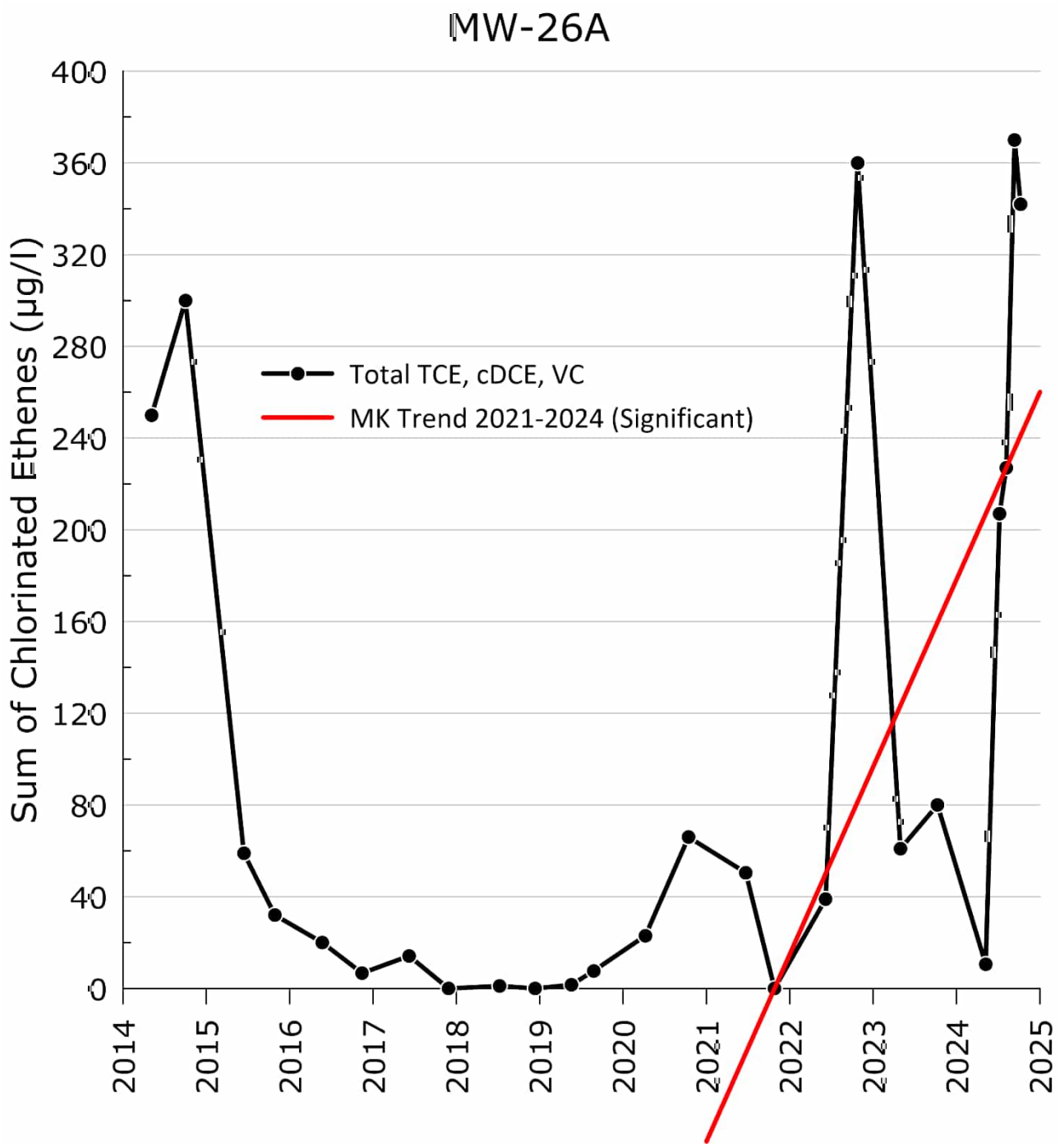

MW-23
Sum of Chlorinated Ethenes (µg/l)
0.6
0.5
0.4
0.3
0.2
0.1
0
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025


MW-24A
Sum of Chlorinated Ethenes (µg/l)
60
50
40
30
20
10
0
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025

MW-25
Sum of Chlorinated Ethenes (µg/l)
1
0
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025

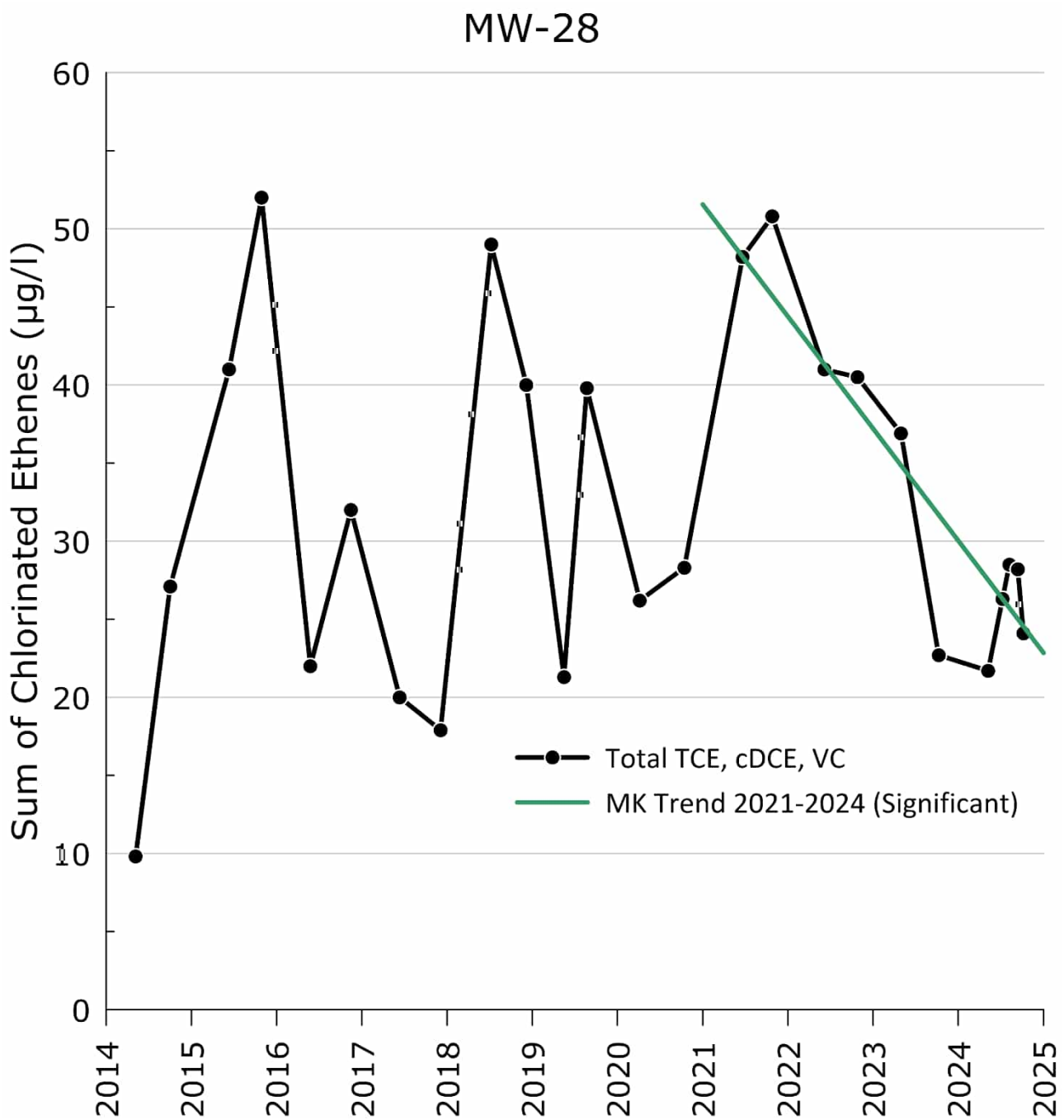

MW-25A
Sum of Chlorinated Ethenes (µg/l)
Total TCE, cDCE, VC
MK Trend 2021-2024 (Not Significant)
0
10
20
30
40
50
60
70
80
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025

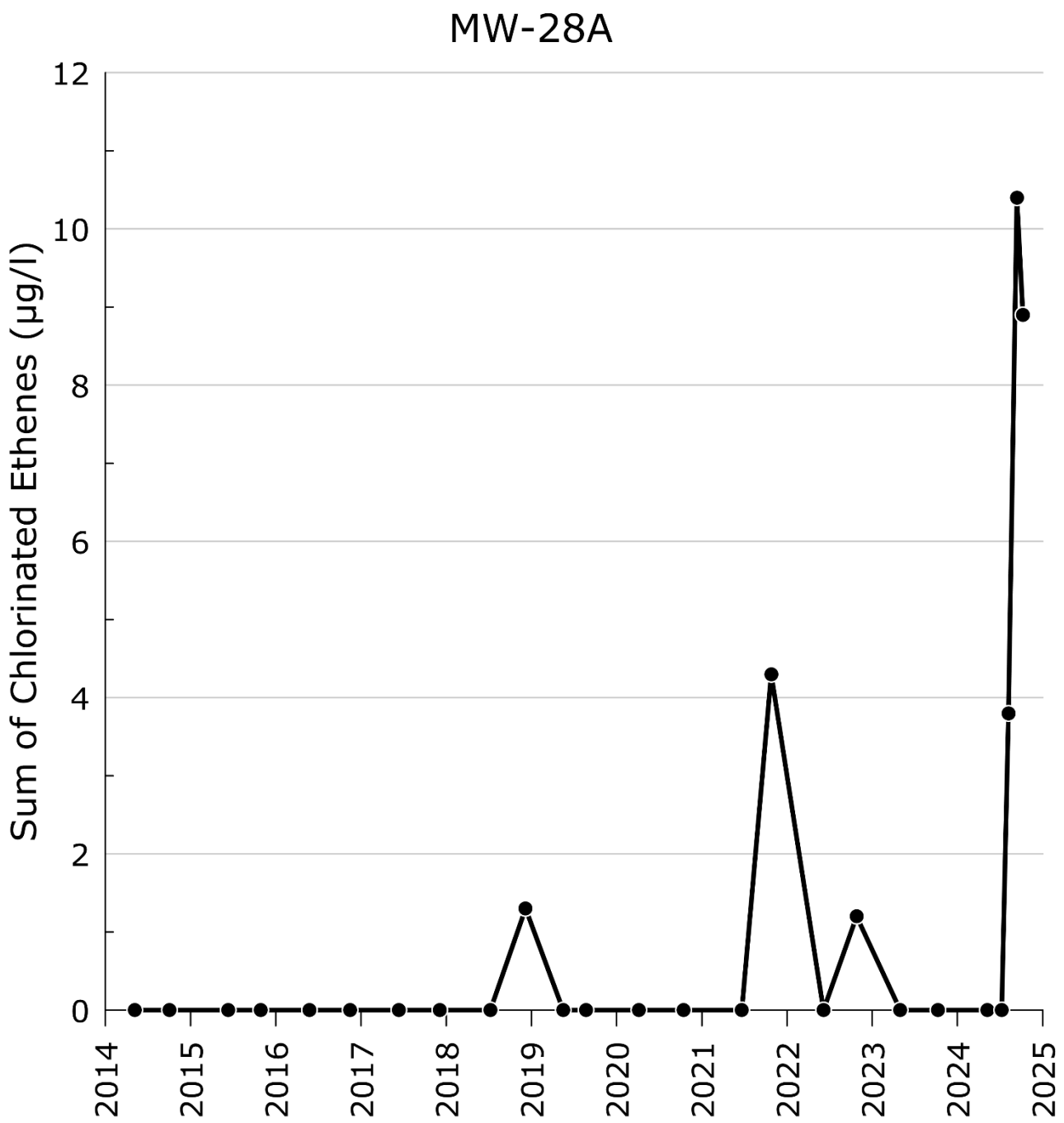

MW-26
Sum of Chlorinated Ethenes (µg/l)
180
160
140
120
100
80
60
40
20
0
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025

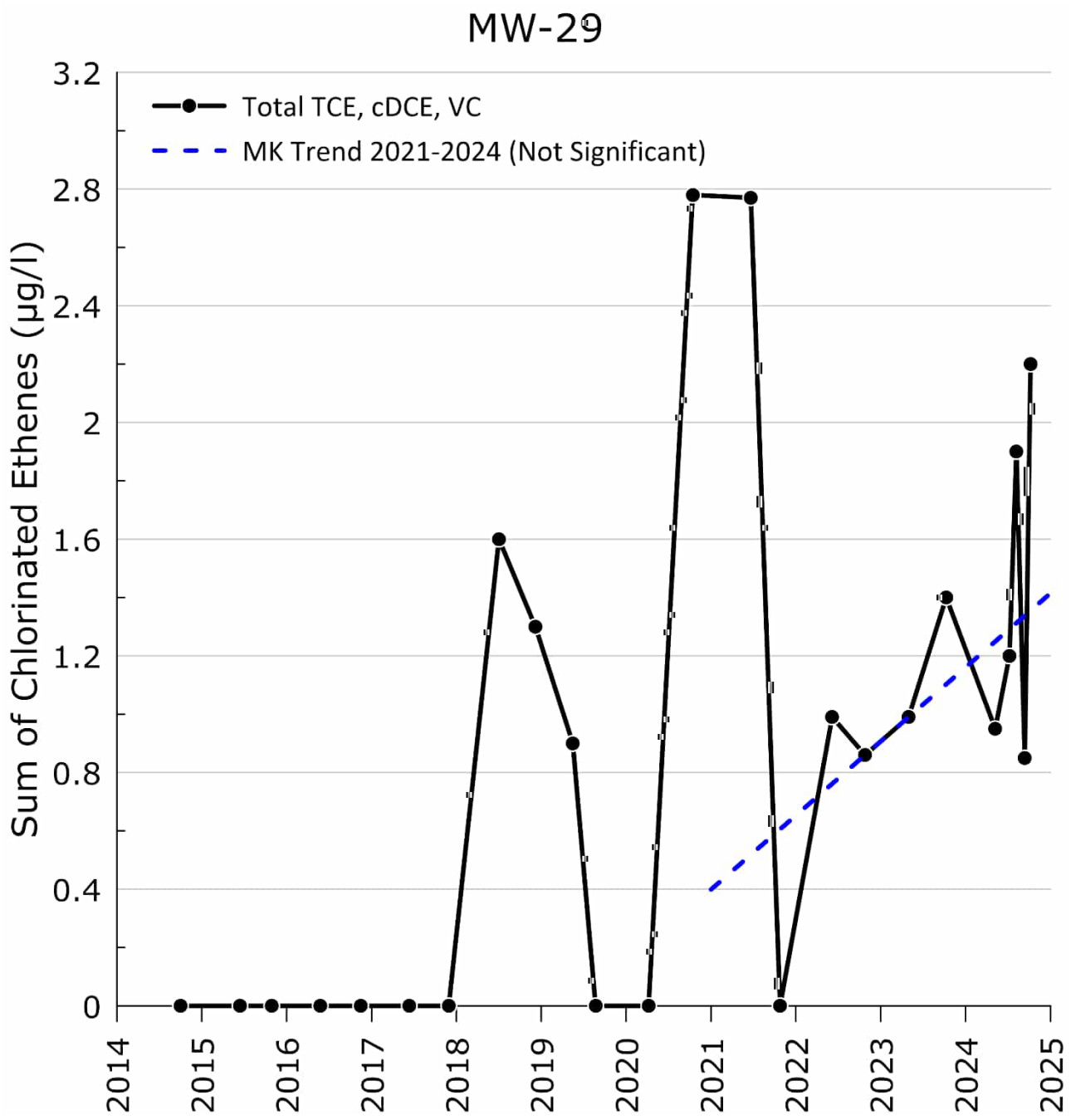

MW-26A
Sum of Chlorinated Ethenes (µg/l)
400
360
320
280
240
200
160
120
80
40
0
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
Total TCE, cDCE, VC
MK Trend 2021-2024 (Significant)

MW-27
Sum of Chlorinated Ethenes (µg/l)
1
0
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025

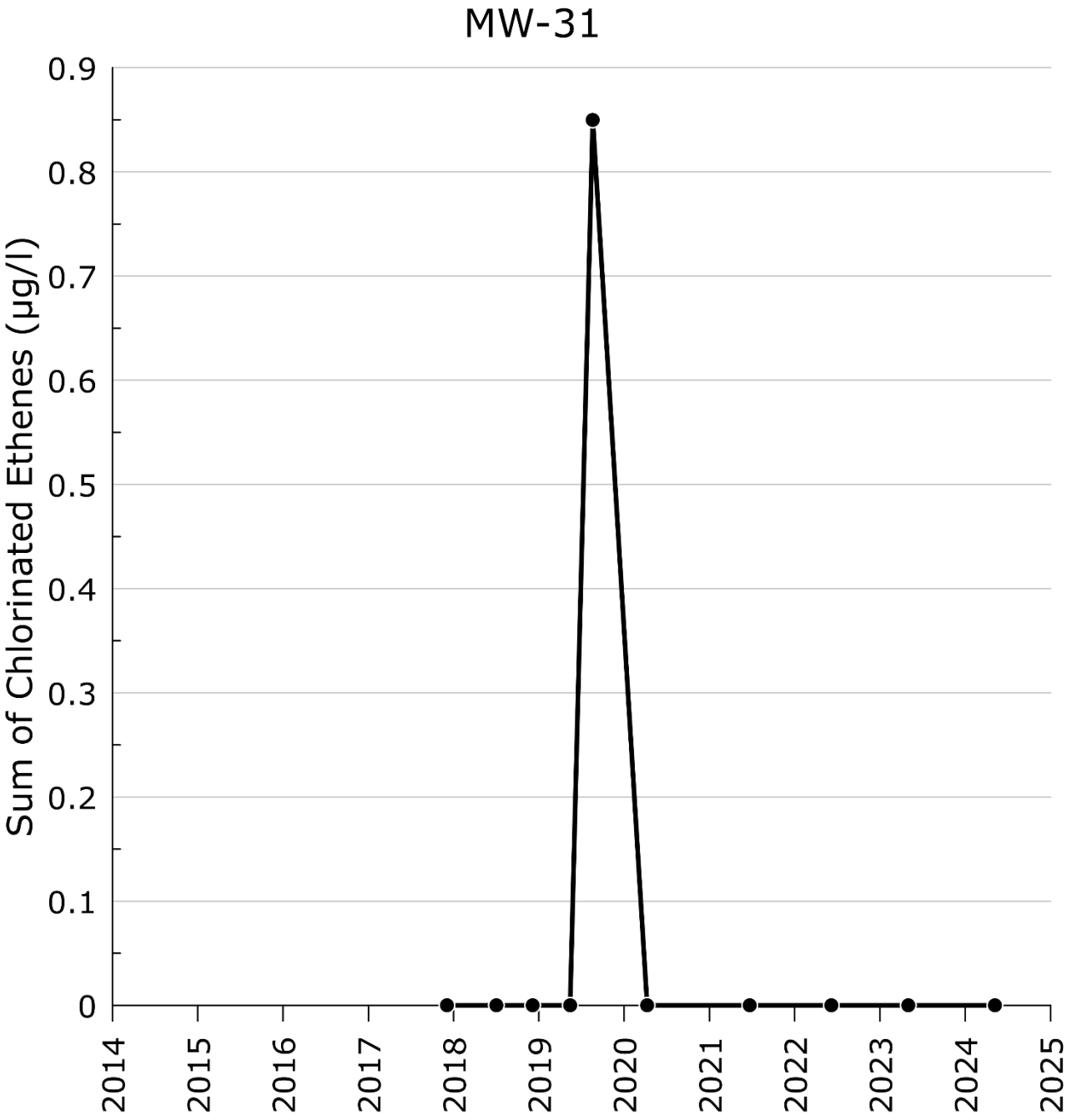
MW-27A
Sum of Chlorinated Ethenes (µg/l)
1
0
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025

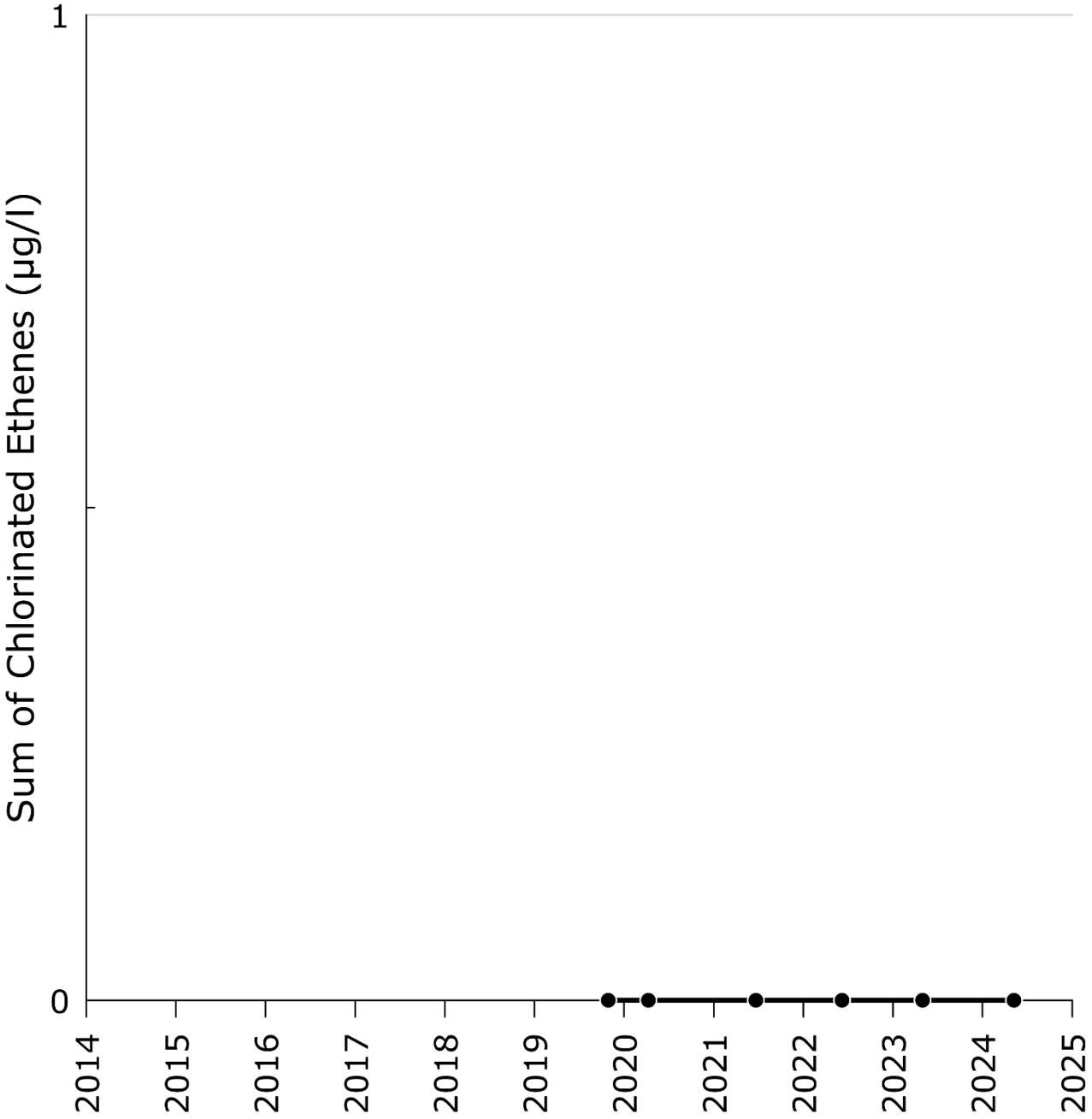

MW-28
Sum of Chlorinated Ethenes (µg/l)
60
50
40
30
20
10
0
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
Total TCE, cDCE, VC
MK Trend 2021-2024 (Significant)

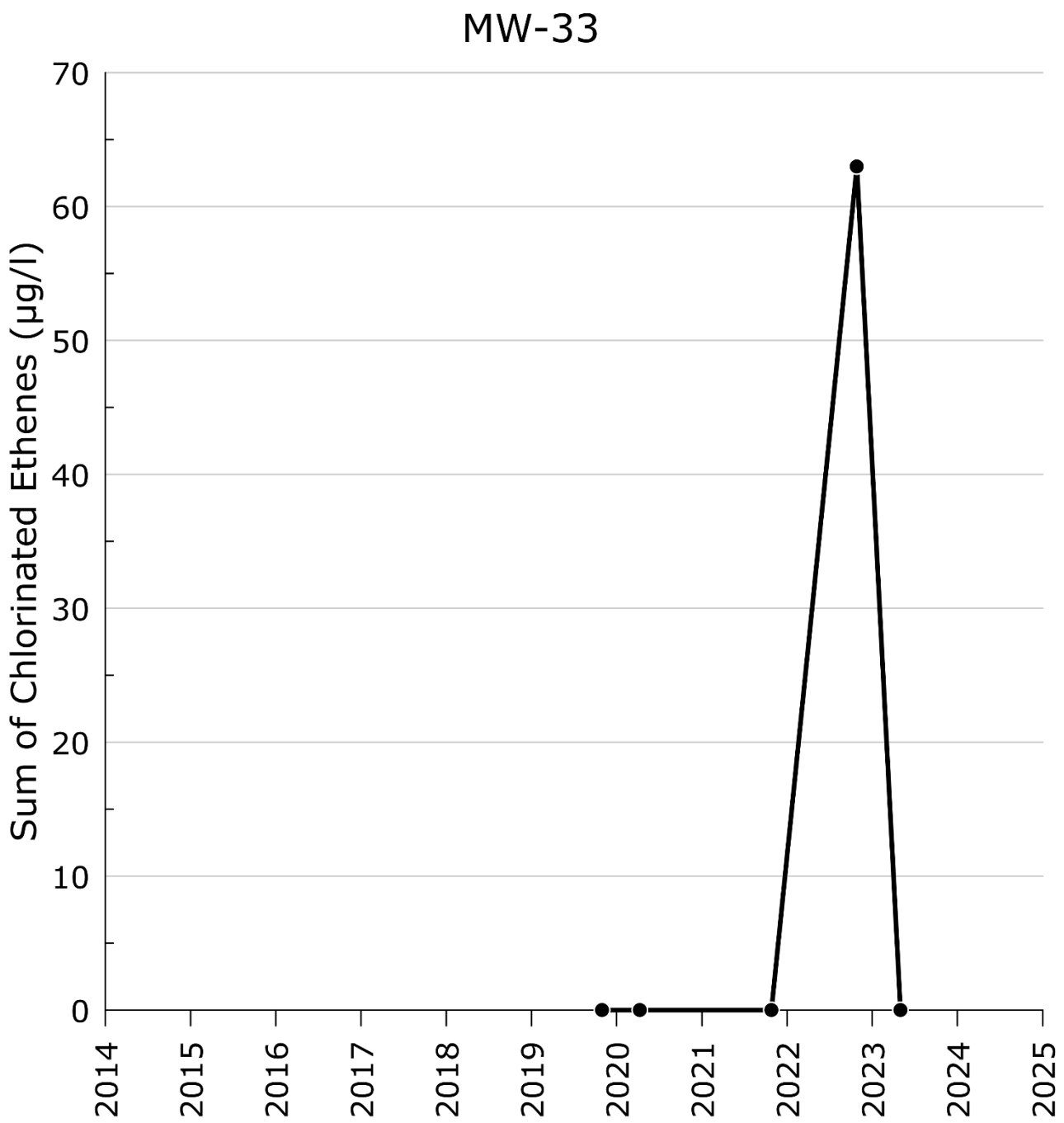

MW-28A
Sum of Chlorinated Ethenes (µg/l)
12
10
8
6
4
2
0
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025

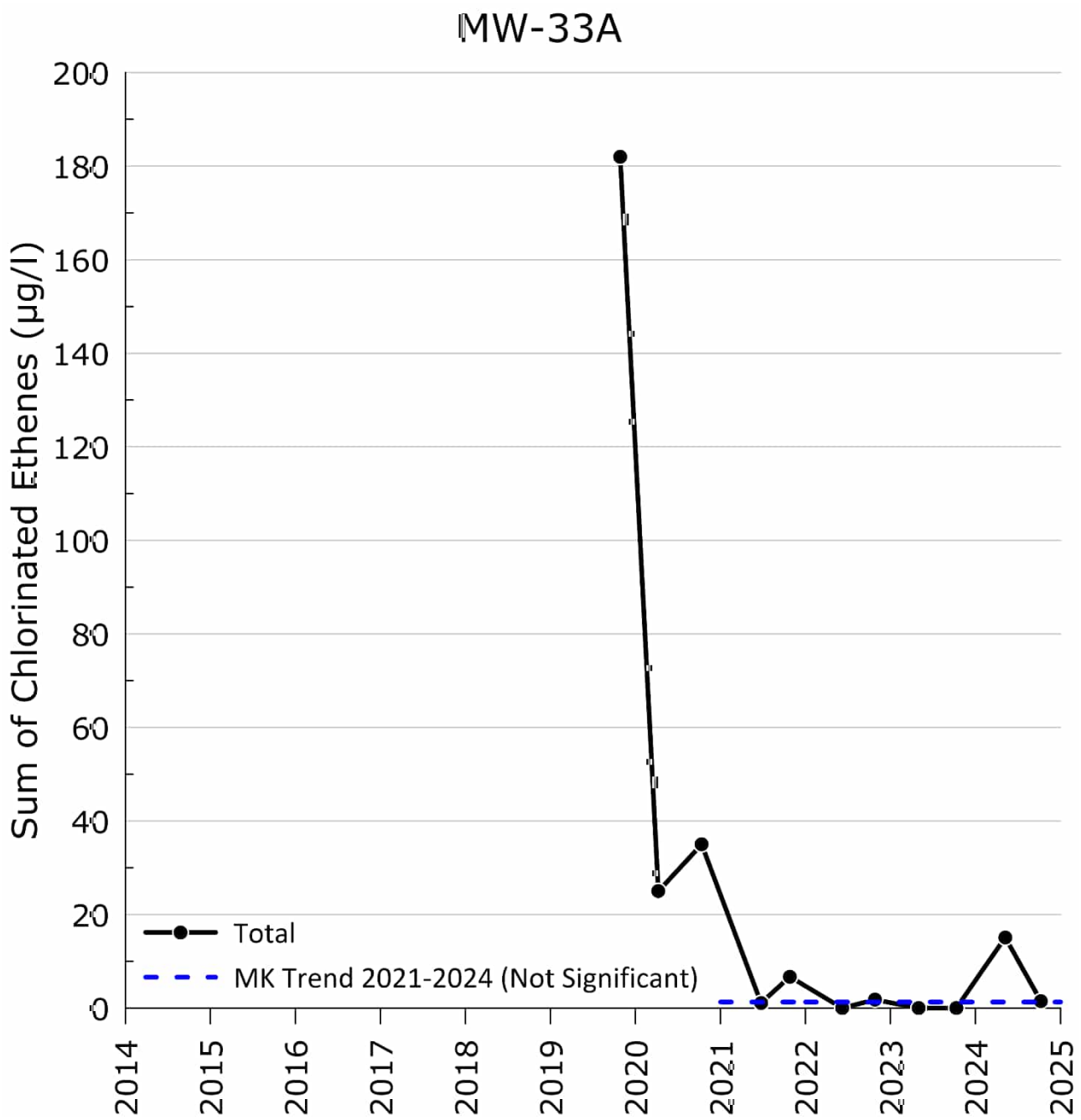

MW-29
Total TCE, cDCE, VC
MK Trend 2021-2024 (Not Significant)
Sum of Chlorinated Ethenes (µg/l)
3.2
2.8
2.4
2
1.6
1.2
0.8
0.4
0
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025

MW-29A
Sum of Chlorinated Ethenes (µg/l)
1
0
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025

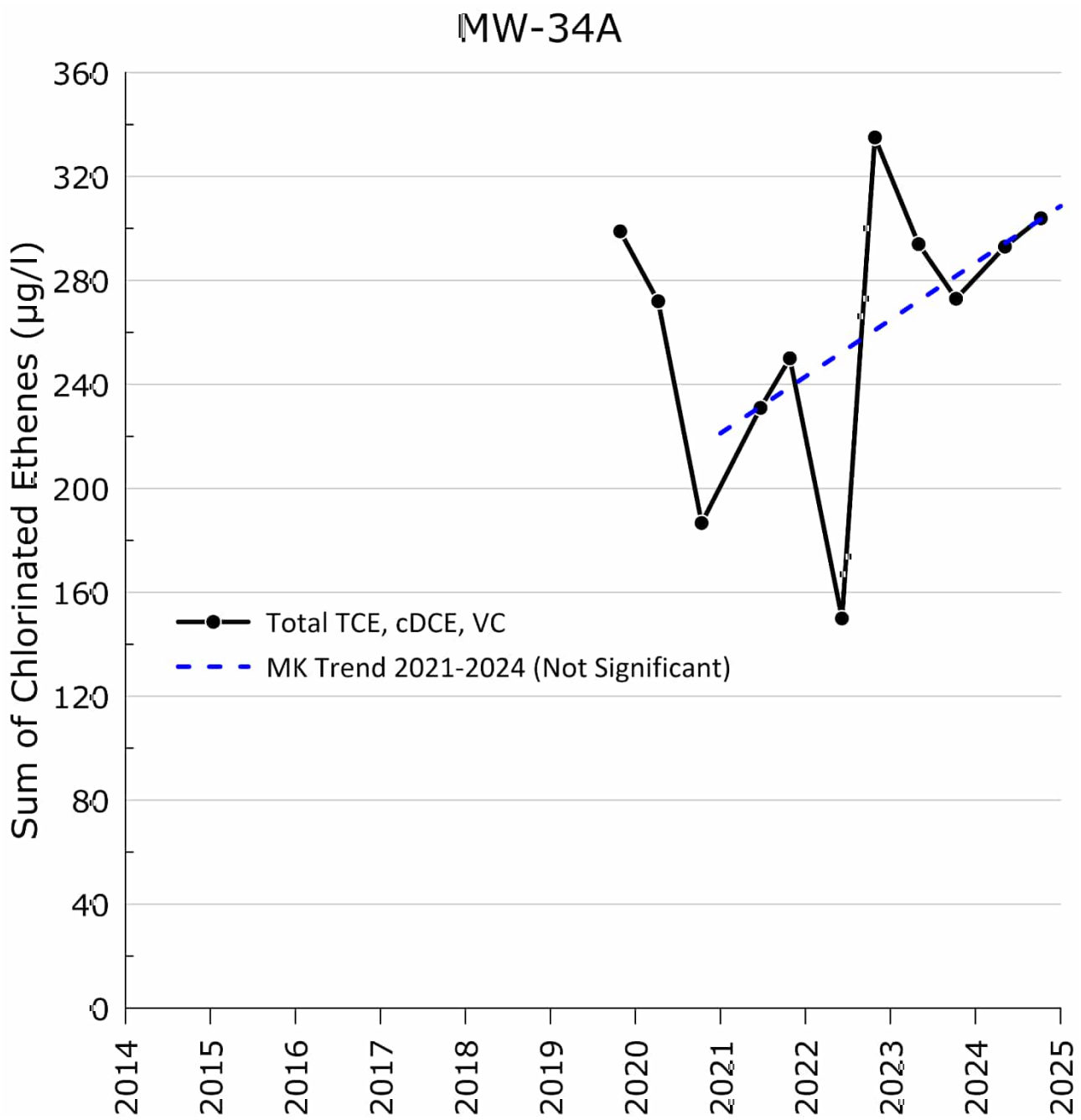

MW-31
Sum of Chlorinated Ethenes (µg/l)
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025


MW-31D
Sum of Chlorinated Ethenes (µg/l)
1
0
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025

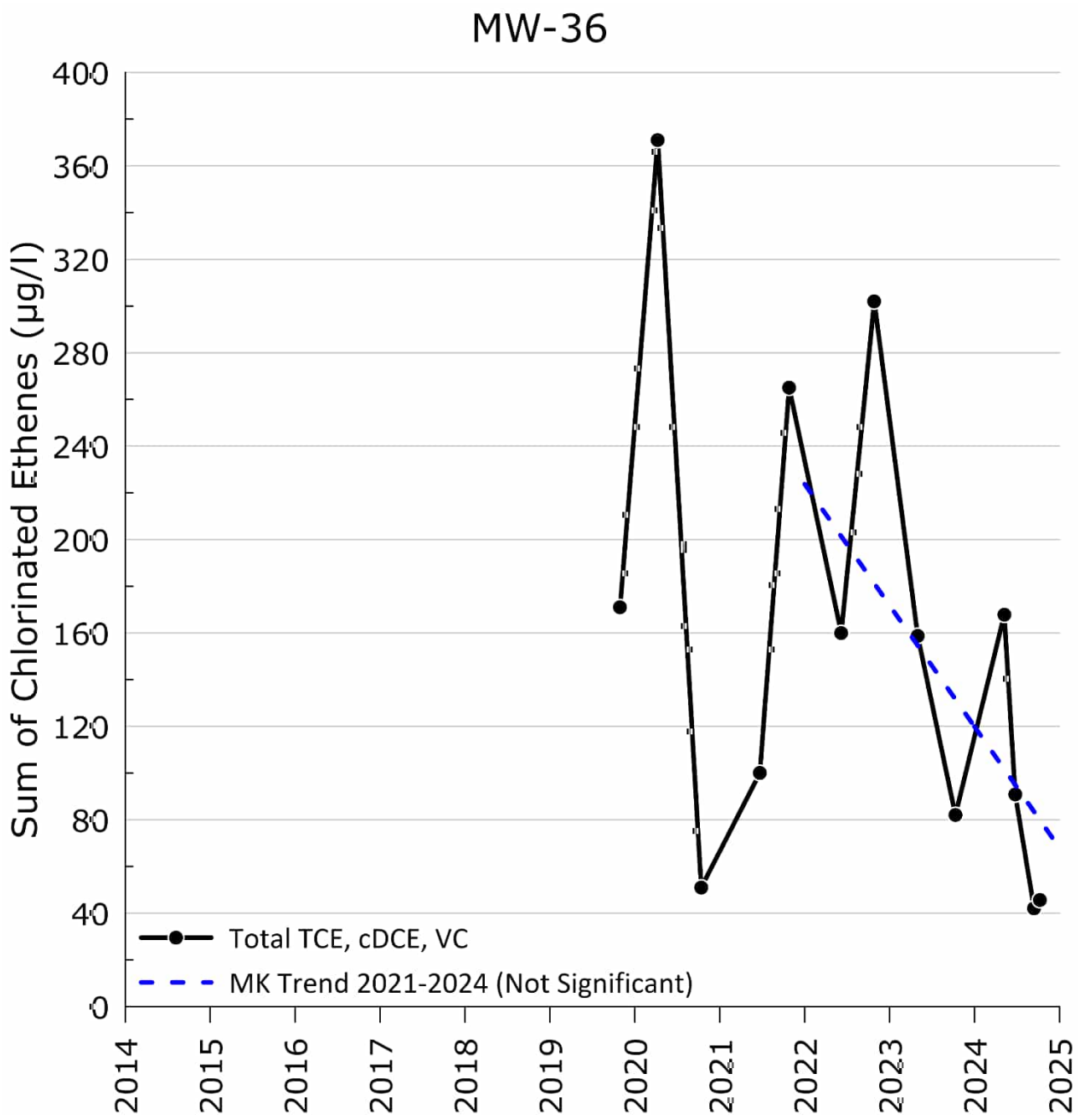

MW-33
Sum of Chlorinated Ethenes (µg/l)
70
60
50
40
30
20
10
0
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025


MW-33A
Sum of Chlorinated Ethenes (µg/l)
200
180
160
140
120
100
80
60
40
20
0
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
Total
MK Trend 2021-2024 (Not Significant)

MW-34
Sum of Chlorinated Ethenes (µg/l)
1
0
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025


MW-34A
Sum of Chlorinated Ethenes (µg/l)
360
320
280
240
200
160
120
80
40
0
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
Total TCE, cDCE, VC
MK Trend 2021-2024 (Not Significant)

MW-35A
Sum of Chlorinated Ethenes (µg/l)
1
0
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025

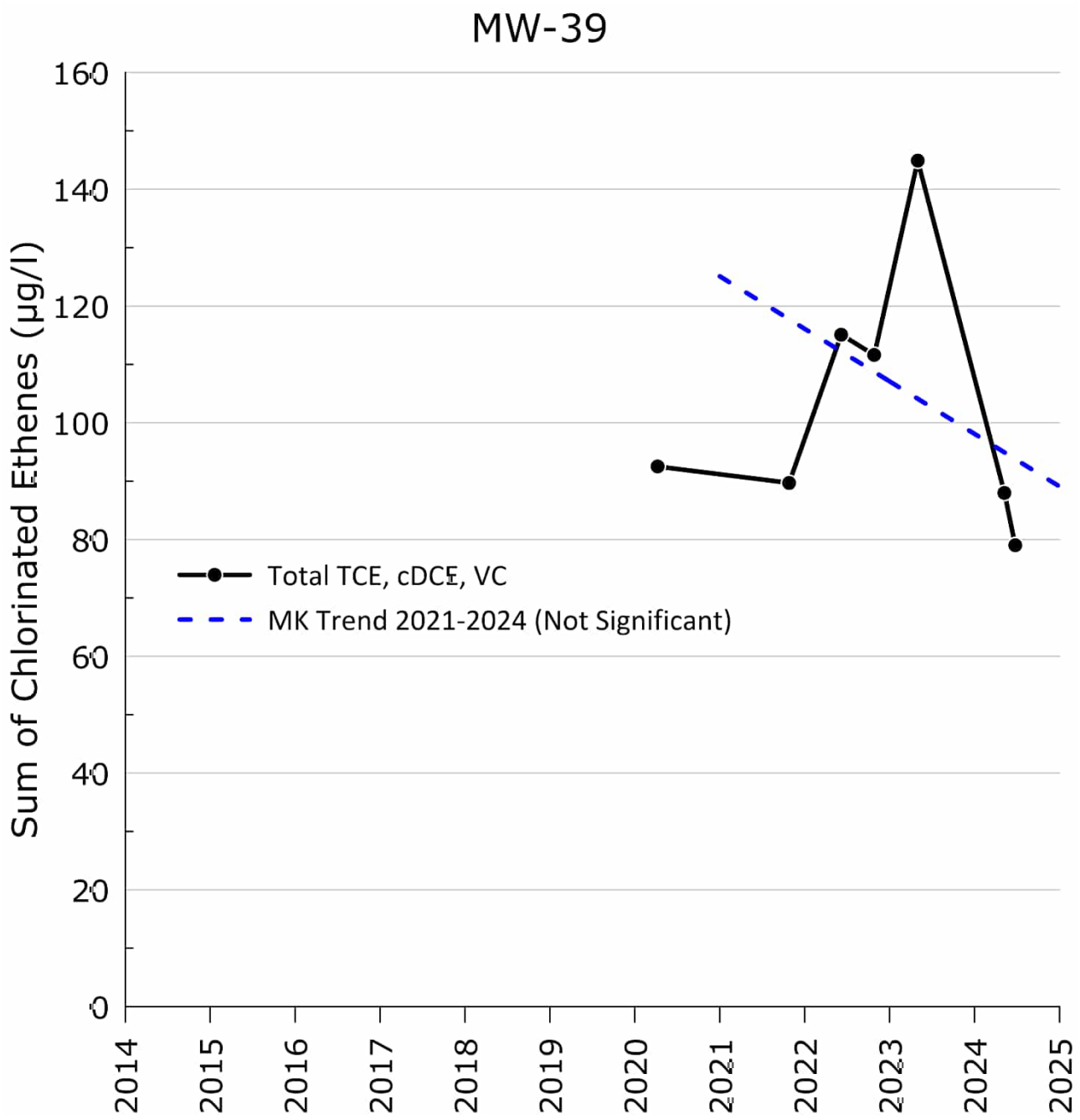

MW-36
Sum of Chlorinated Ethenes (µg/l)
400
360
320
280
240
200
160
120
80
40
0
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
Total TCE, cDCE, VC
MK Trend 2021-2024 (Not Significant)

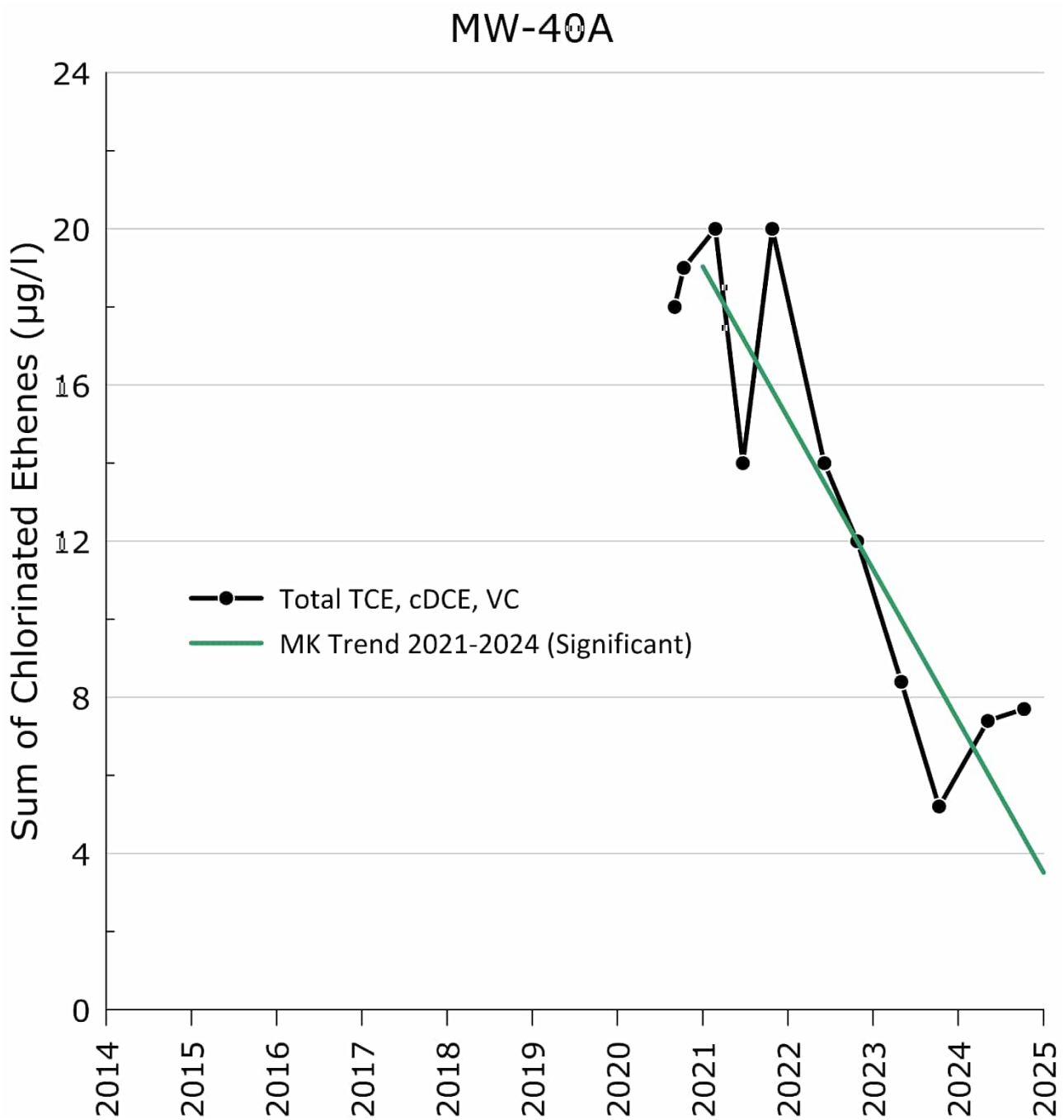
MW-37
Sum of Chlorinated Ethenes (µg/l)
1
0
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025

MW-37A
Sum of Chlorinated Ethenes (µg/l)
1
0
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025

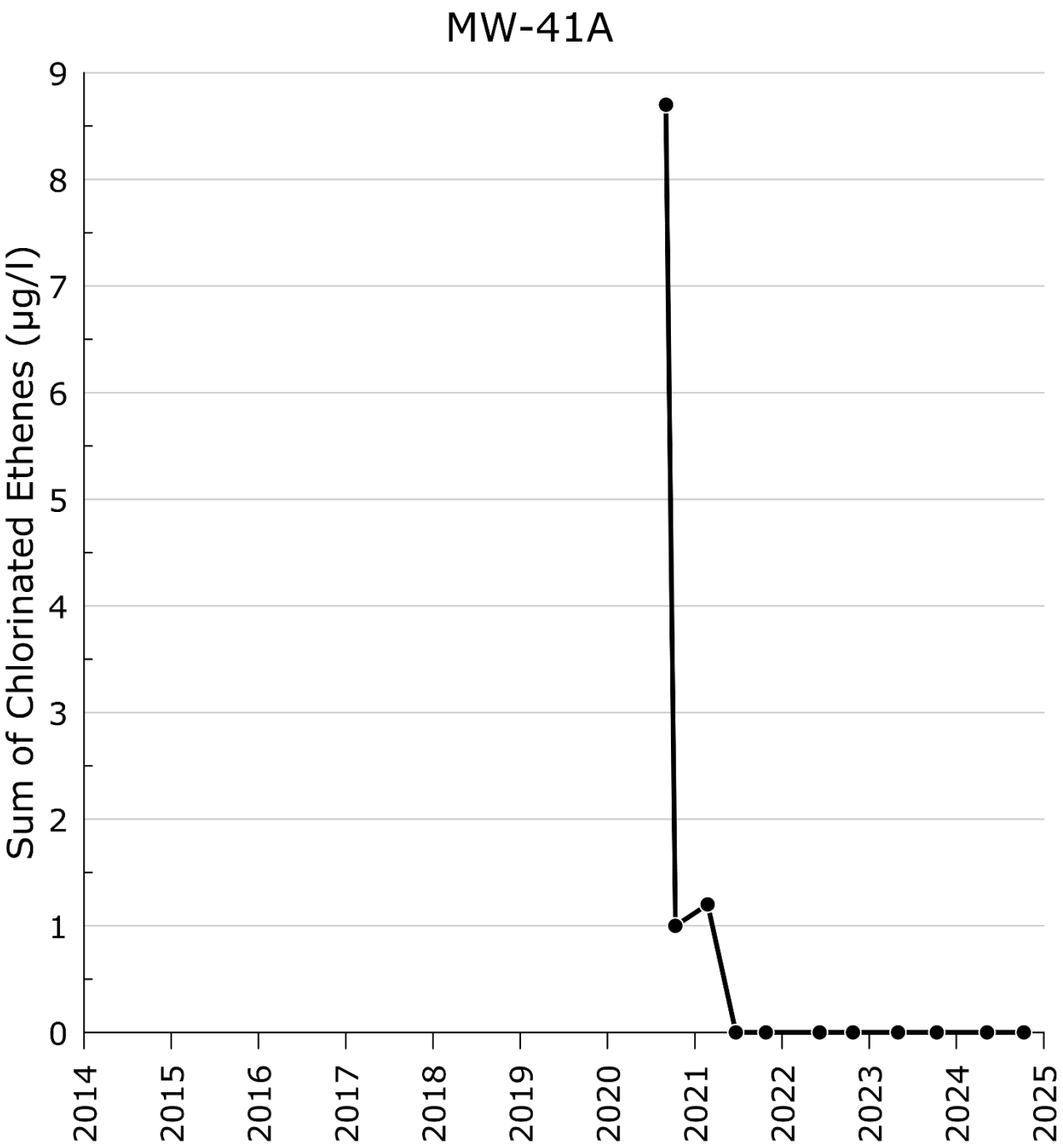
MW-38
Sum of Chlorinated Ethenes (µg/l)
1
0
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025

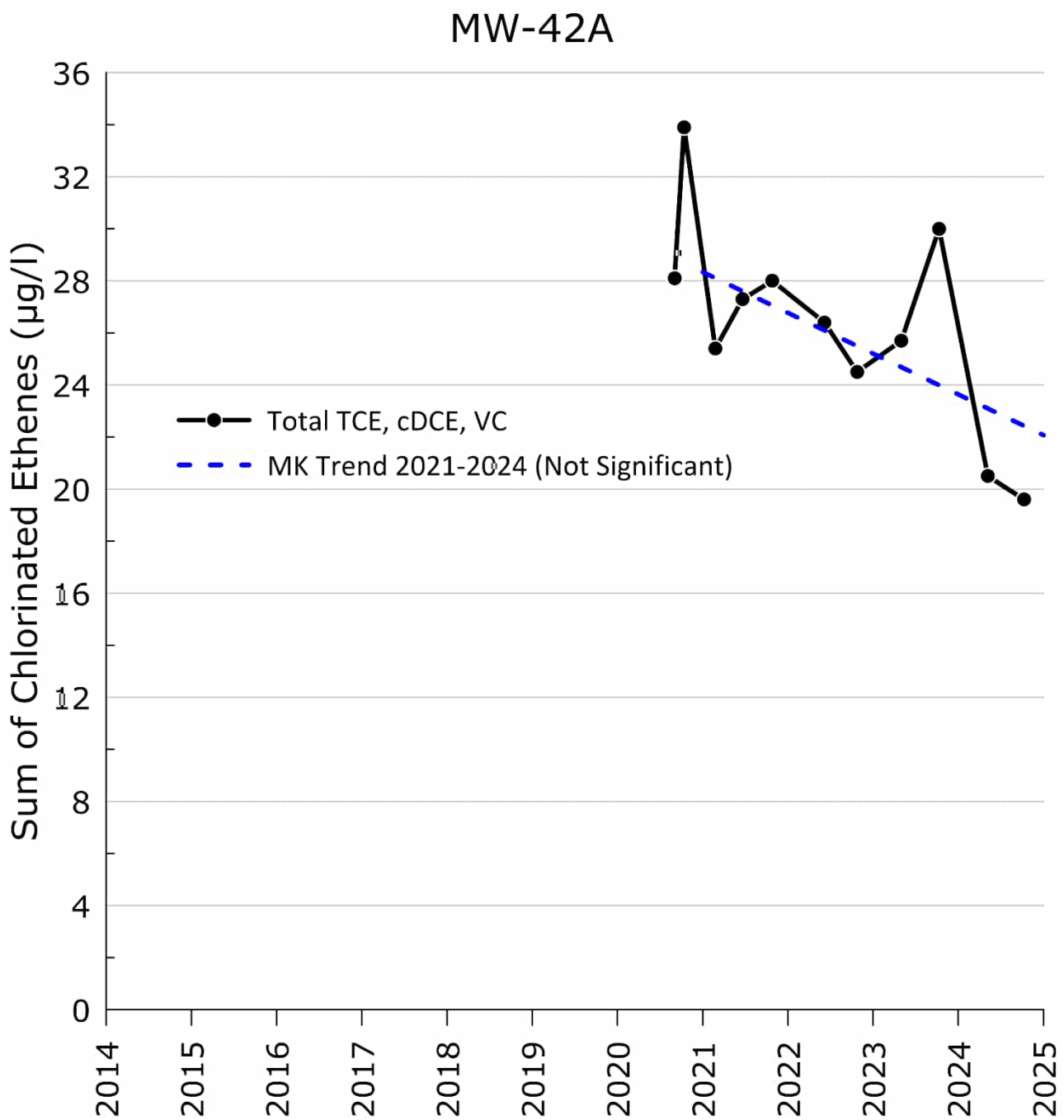
MW-38A
Sum of Chlorinated Ethenes (µg/l)
1
0
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025

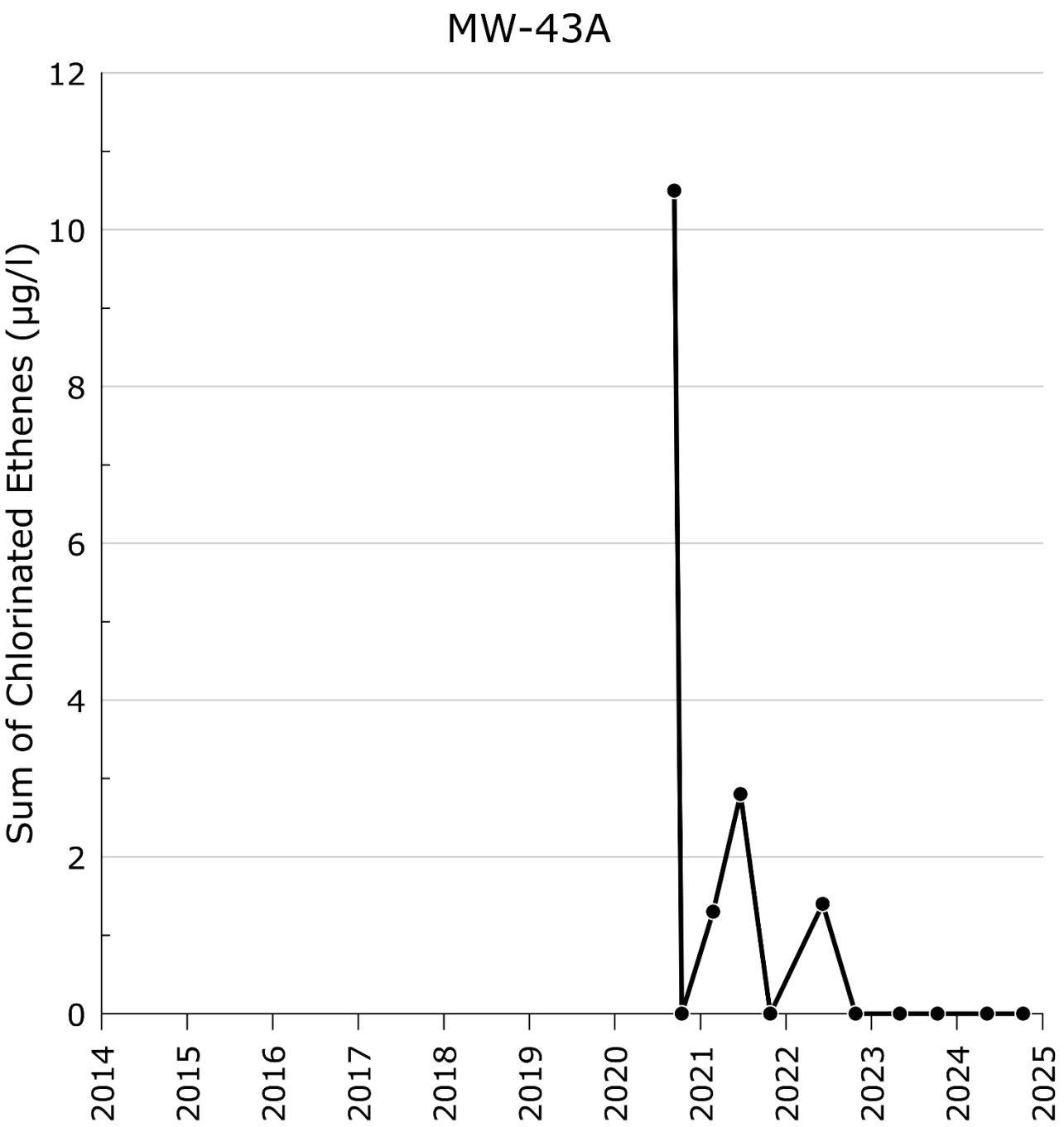

MW-39
Sum of Chlorinated Ethenes (µg/l)
160
140
120
100
80
60
40
20
0
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
Total TCE, cDCE, VC
MK Trend 2021-2024 (Not Significant)


MW-40A
Sum of Chlorinated Ethenes (µg/l)
24
20
16
12
8
4
0
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
Total TCE, cDCE, VC
MK Trend 2021-2024 (Significant)

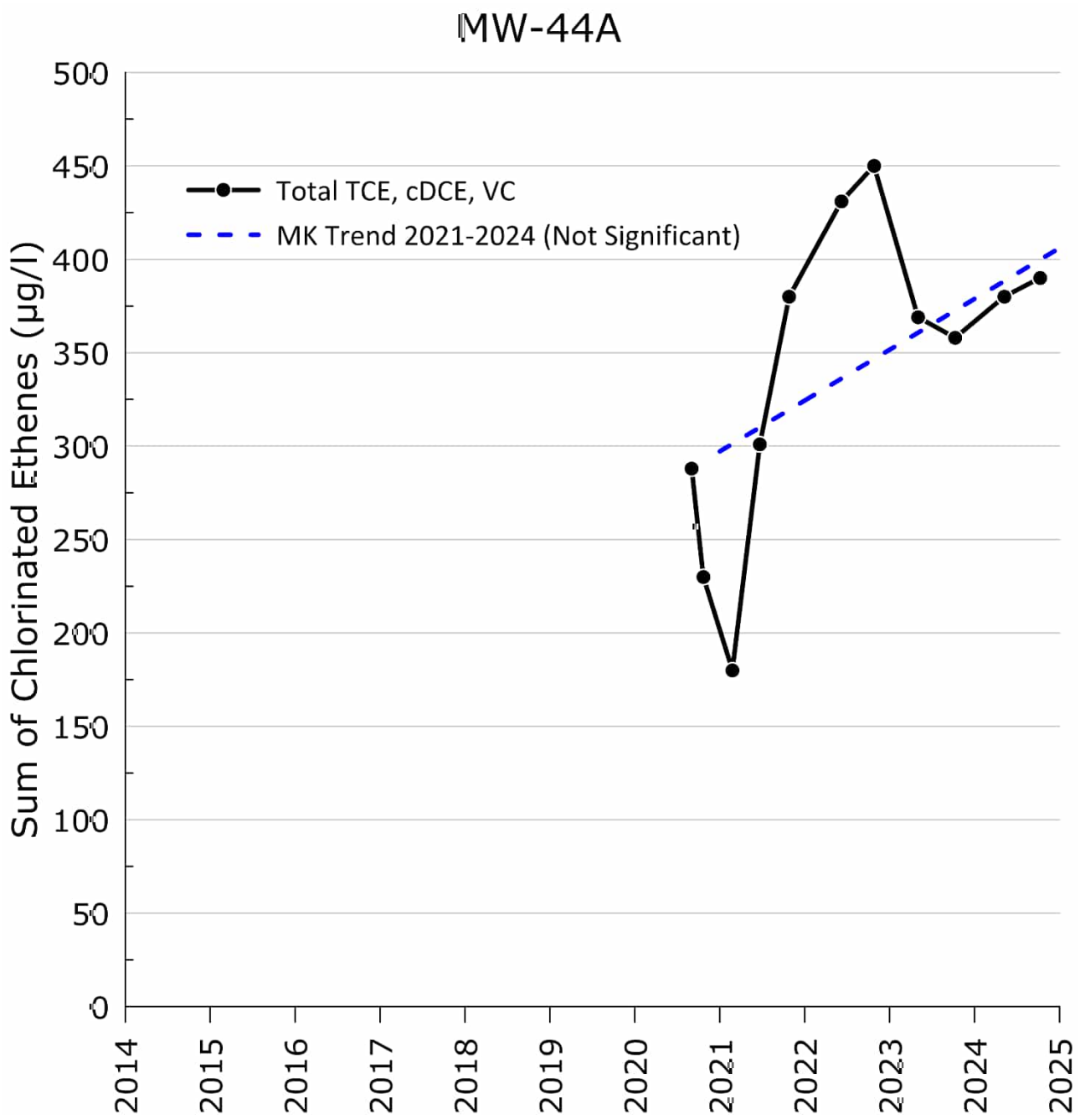
MW-41
Sum of Chlorinated Ethenes (µg/l)
1
0
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025

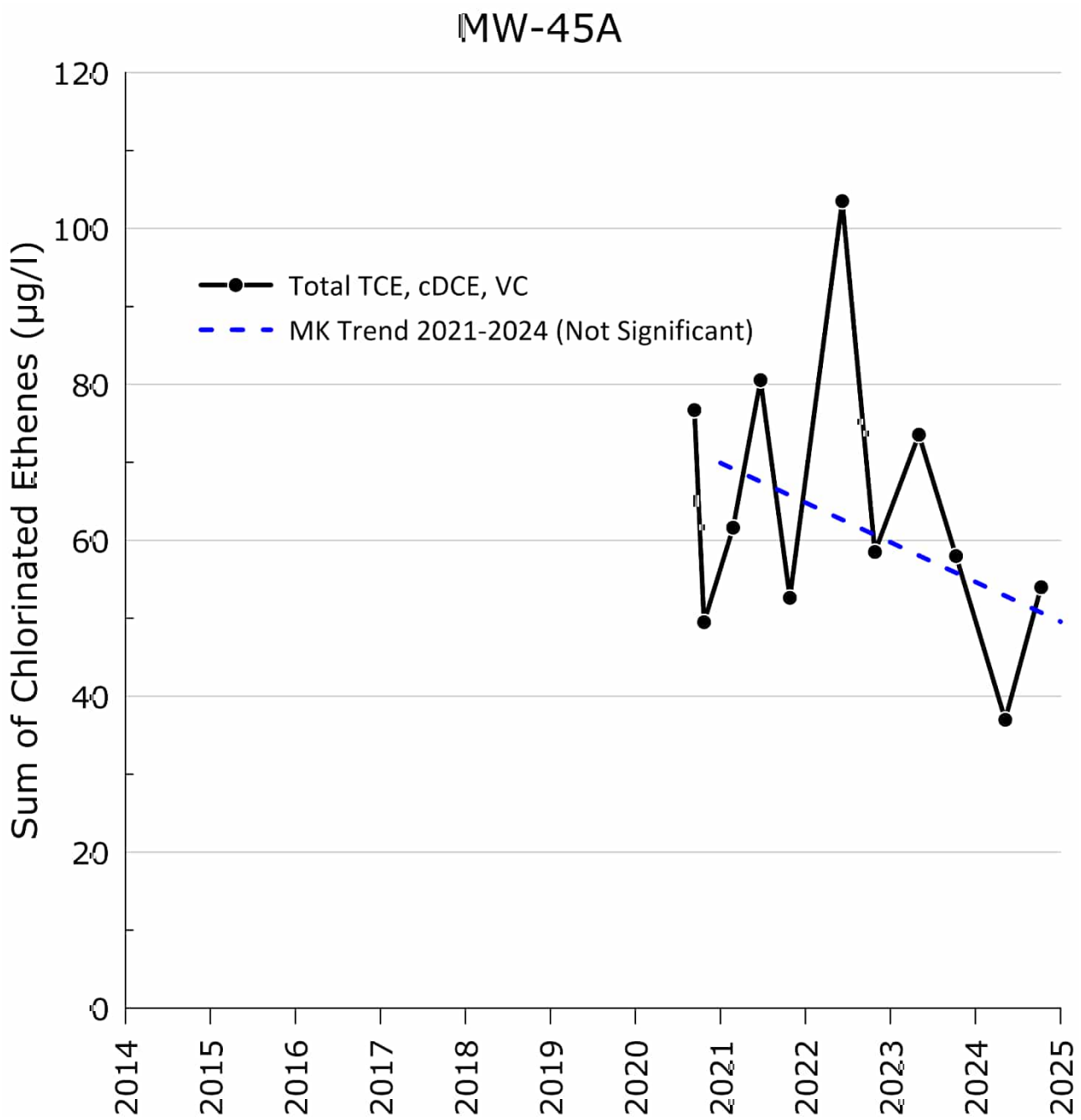

MW-41A
Sum of Chlorinated Ethenes (µg/l)
0
1
2
3
4
5
6
7
8
9
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025

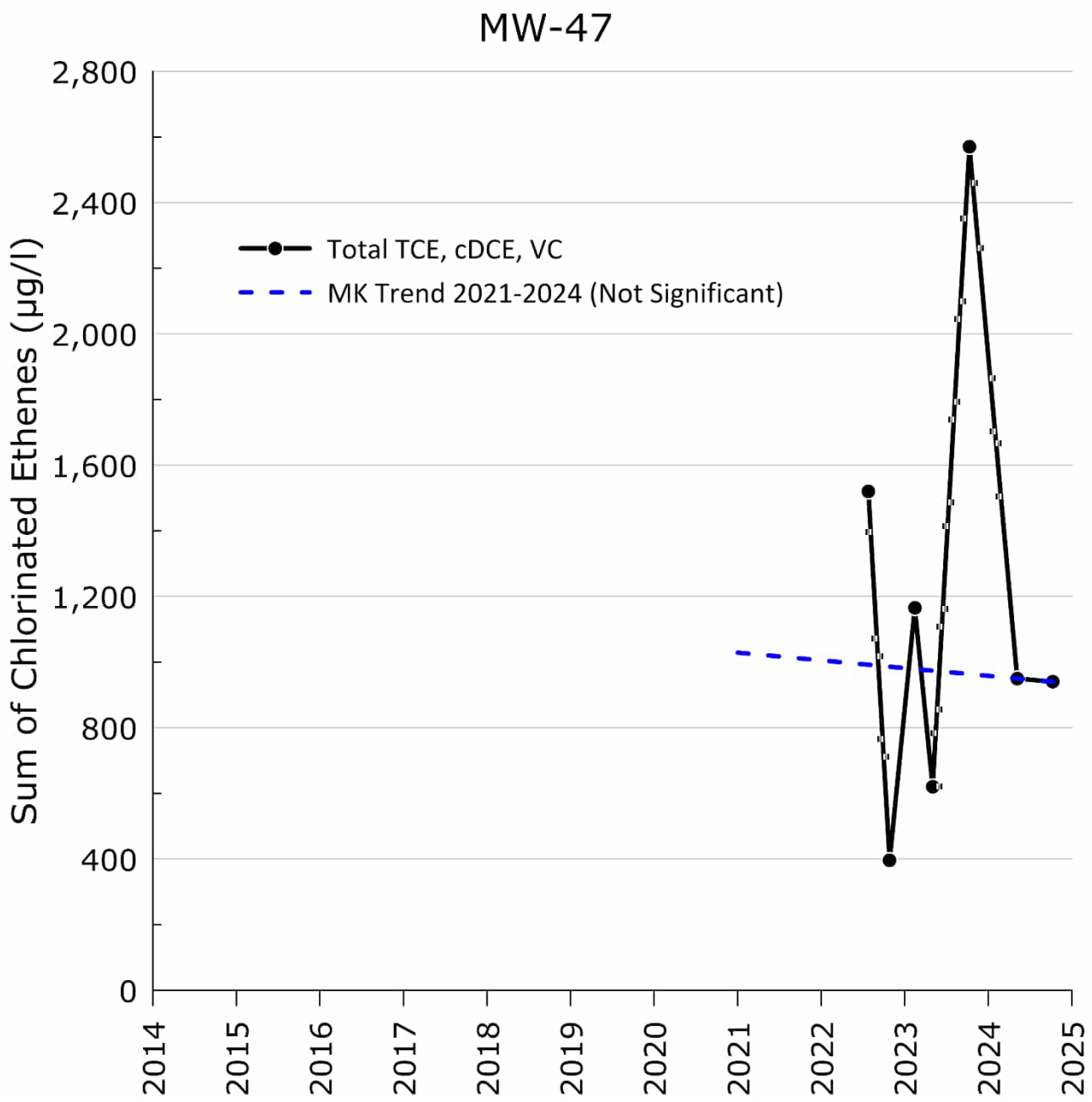

MW-42A
Sum of Chlorinated Ethenes (µg/l)
36
32
28
24
20
16
12
8
4
0
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
Total TCE, cDCE, VC
MK Trend 2021-2024 (Not Significant)

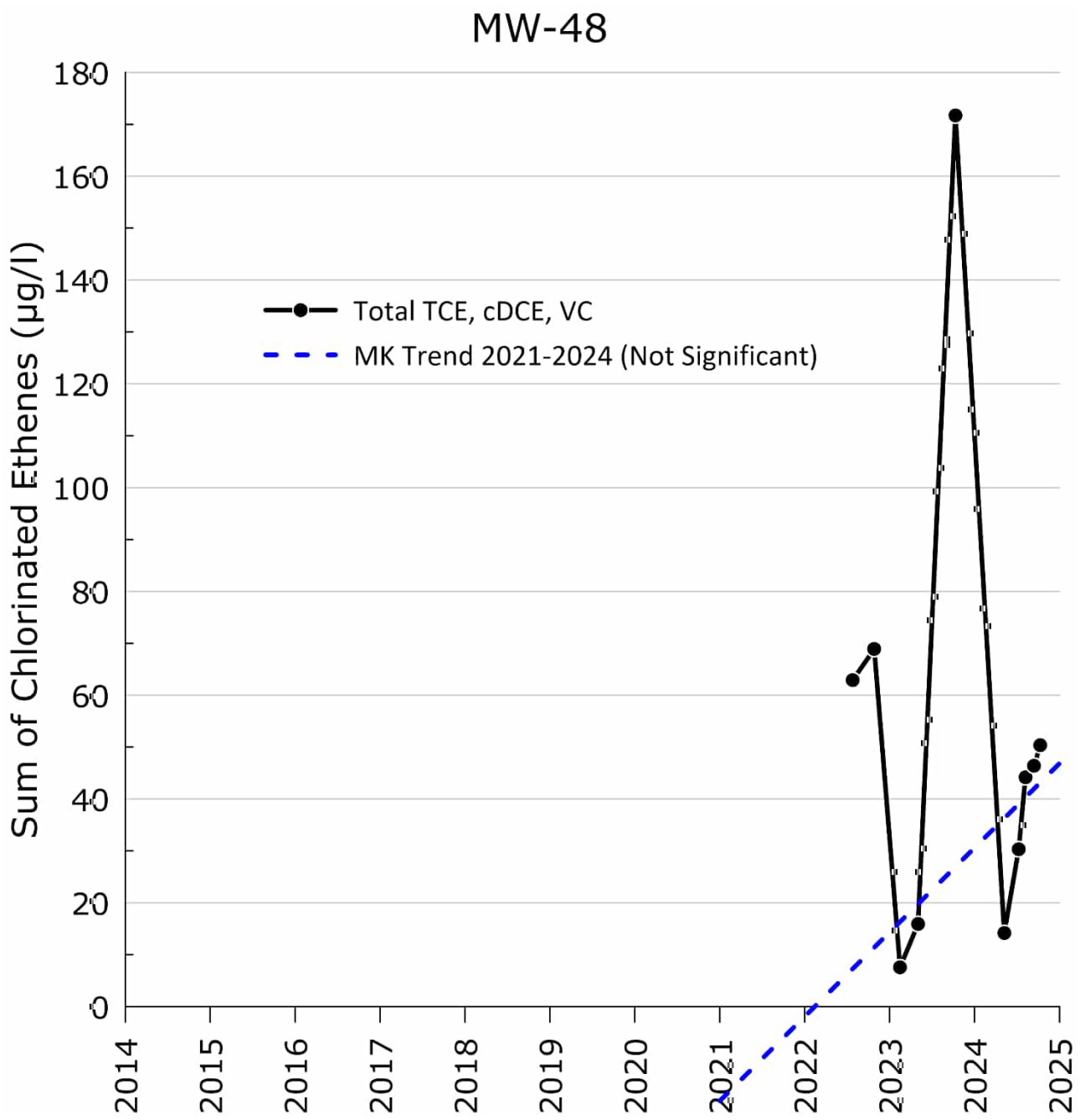

MW-43A
Sum of Chlorinated Ethenes (µg/l)
12
10
8
6
4
2
0
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025

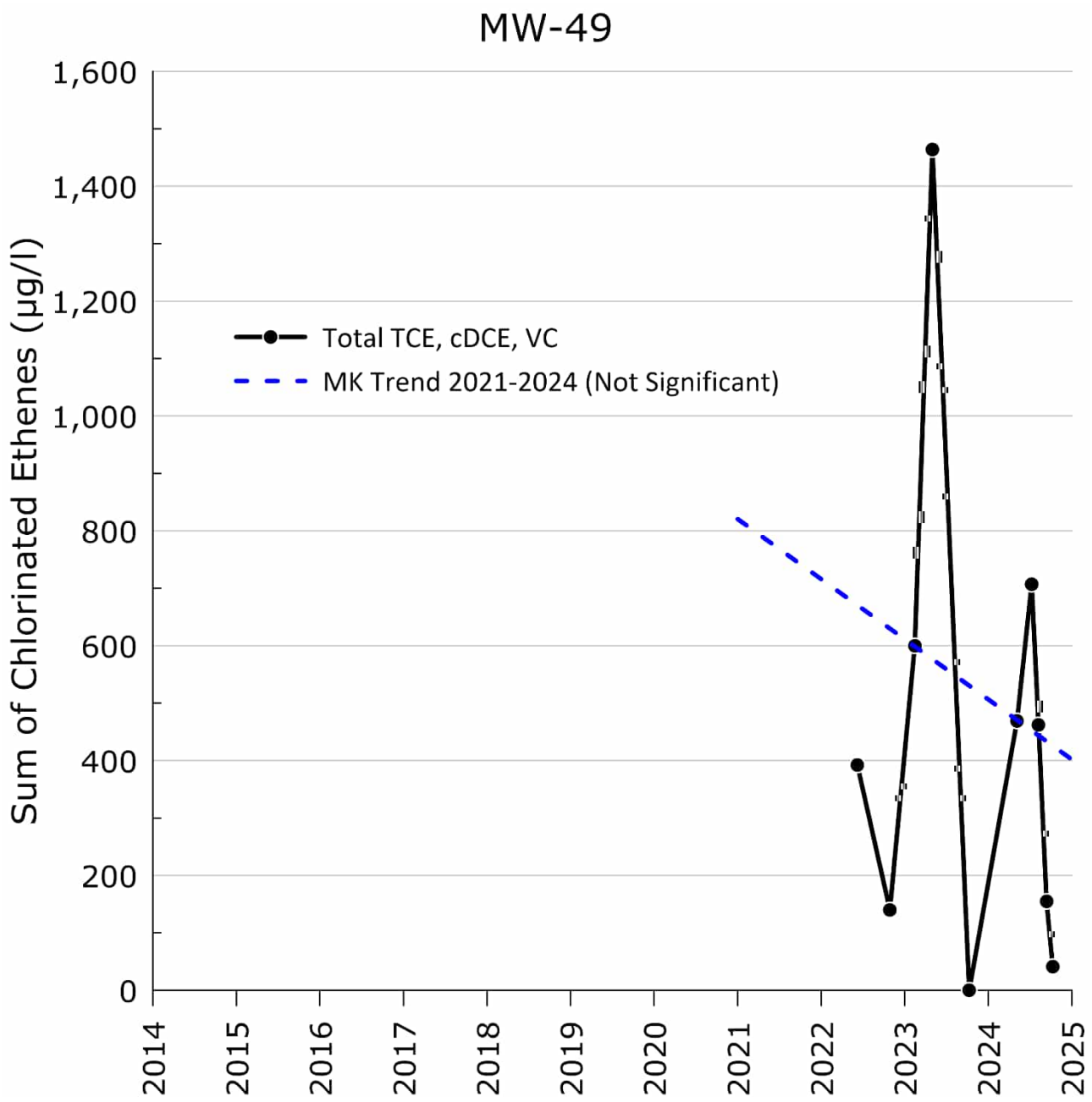
MW-44
Sum of Chlorinated Ethenes (µg/l)
1
0
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025

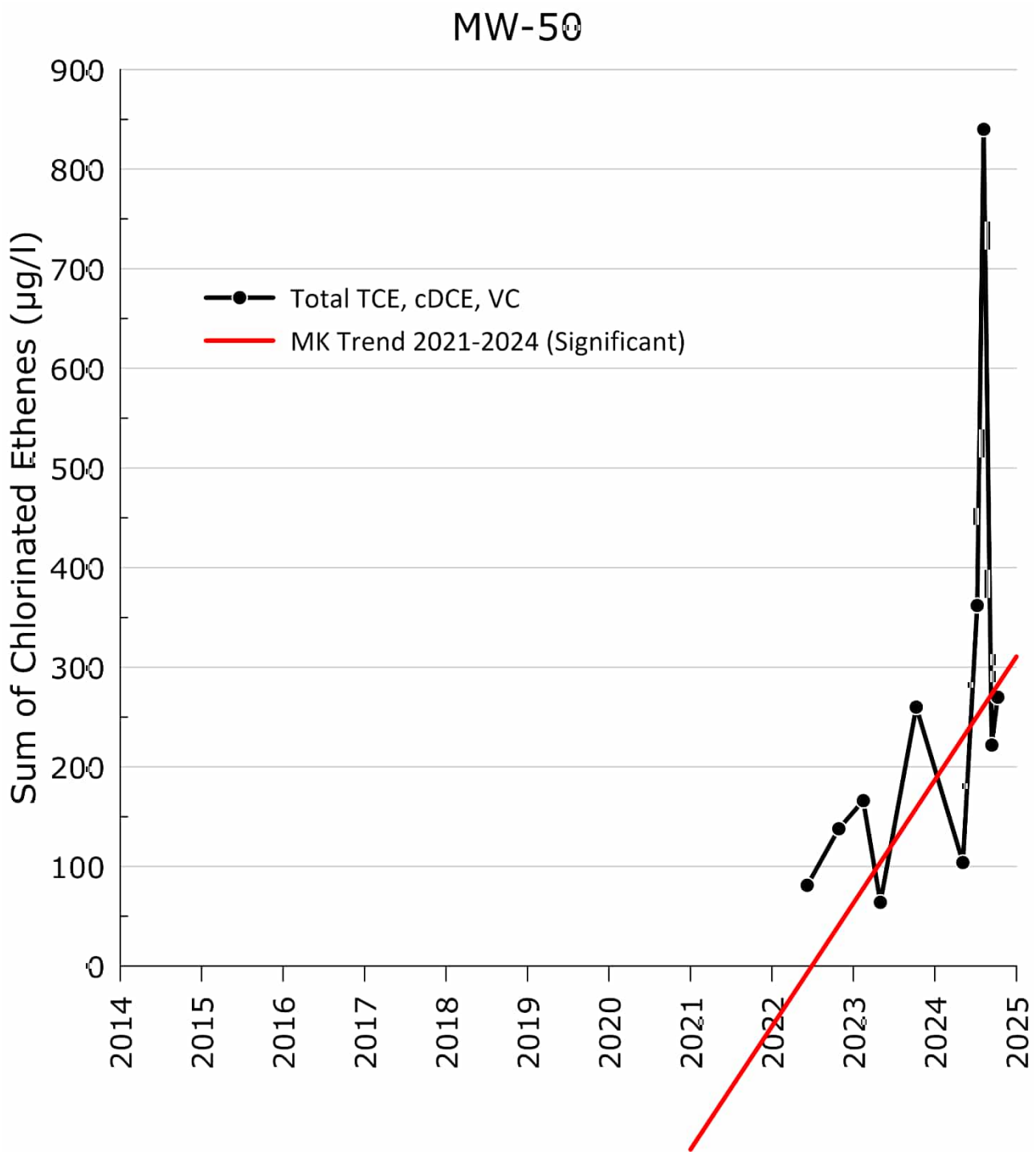

MW-44A
Total TCE, cDCE, VC
MK Trend 2021-2024 (Not Significant)
Sum of Chlorinated Ethenes (µg/l)
500
450
400
350
300
250
200
150
100
50
0
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025

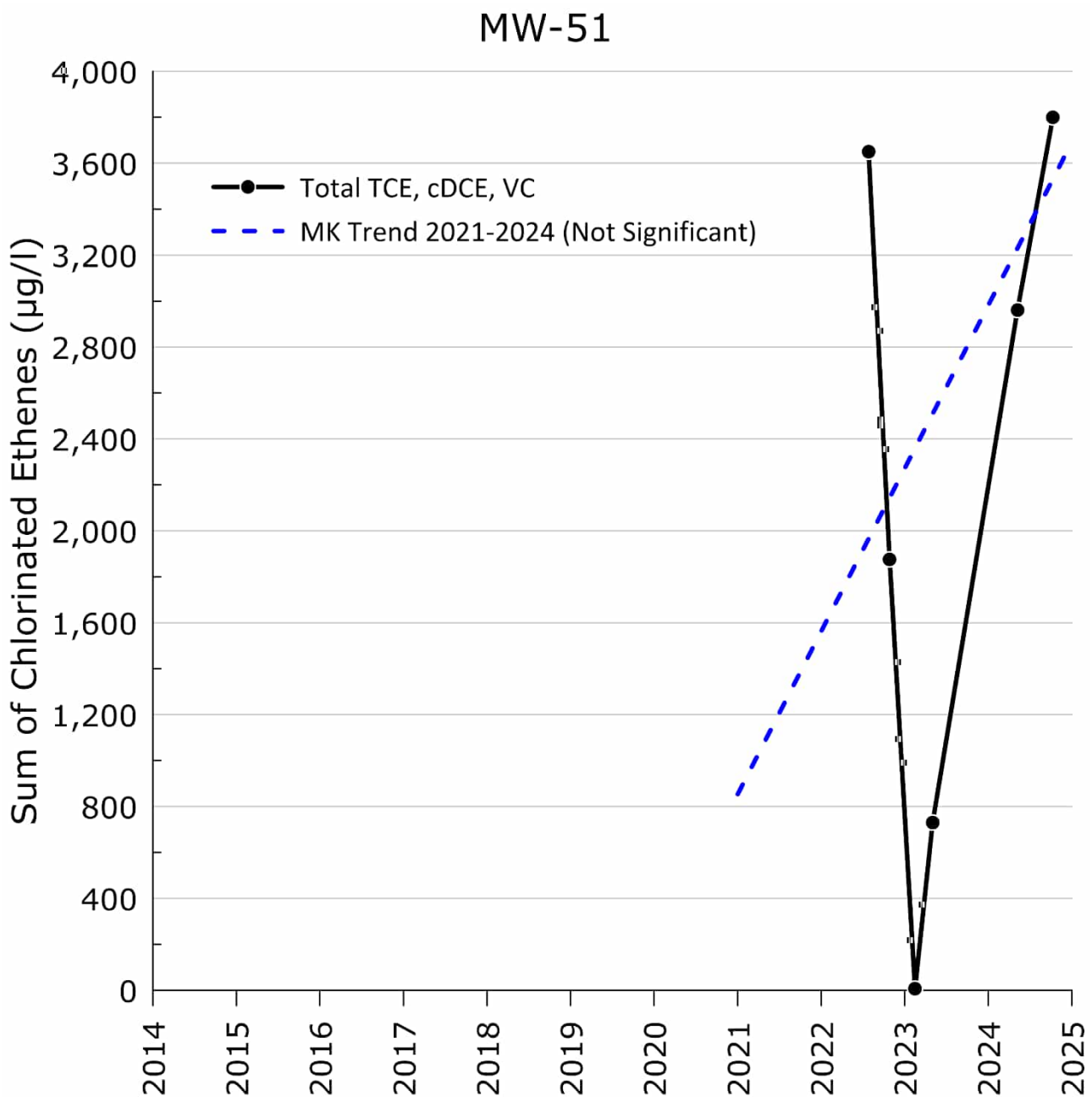

MW-45A
Sum of Chlorinated Ethenes (µg/l)
120
100
80
60
40
20
0
Total TCE, cDCE, VC
MK Trend 2021-2024 (Not Significant)
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025

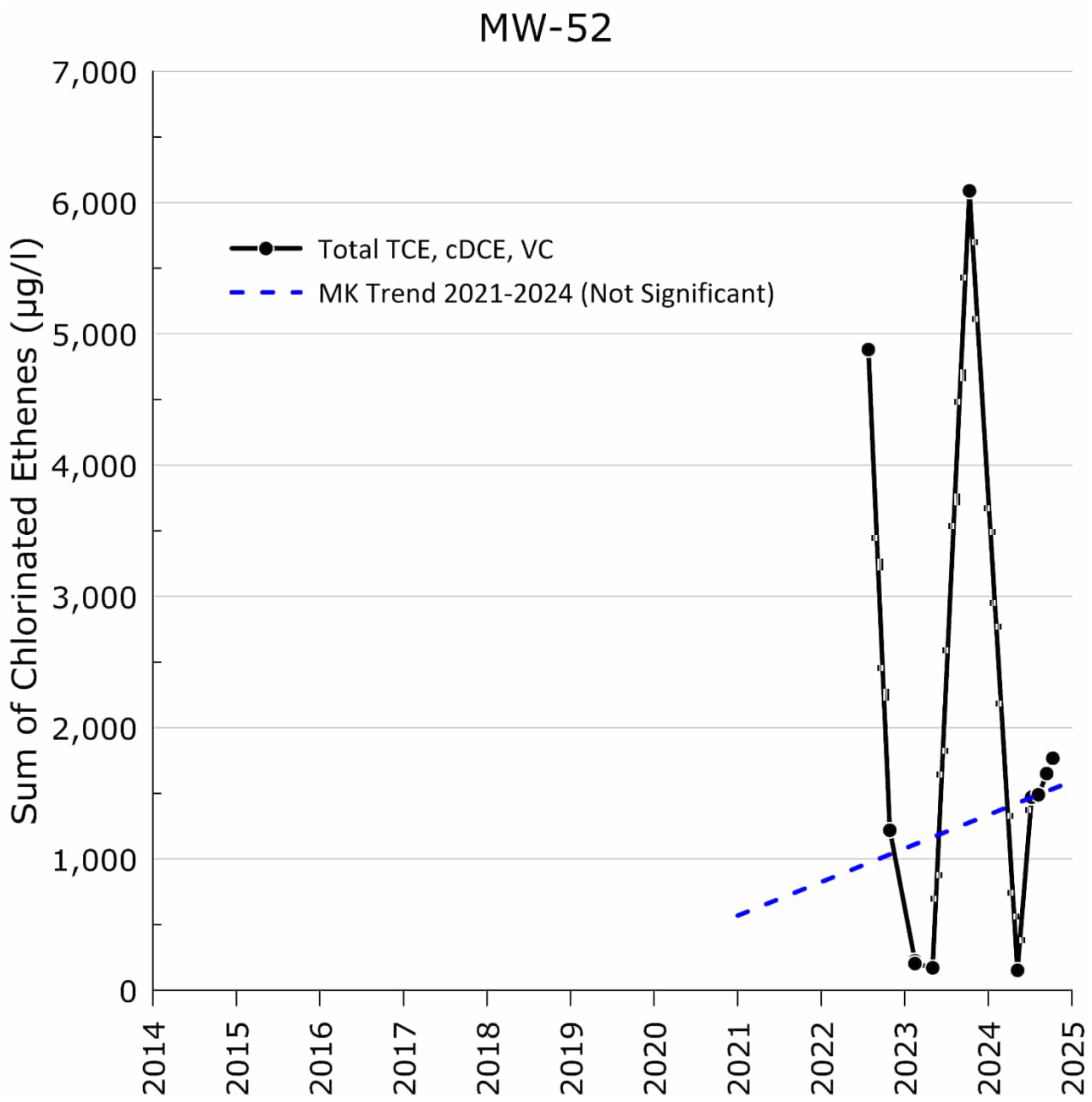

MW-47
Sum of Chlorinated Ethenes (µg/l)
2,800
2,400
2,000
1,600
1,200
800
400
0
Total TCE, cDCE, VC
MK Trend 2021-2024 (Not Significant)
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025

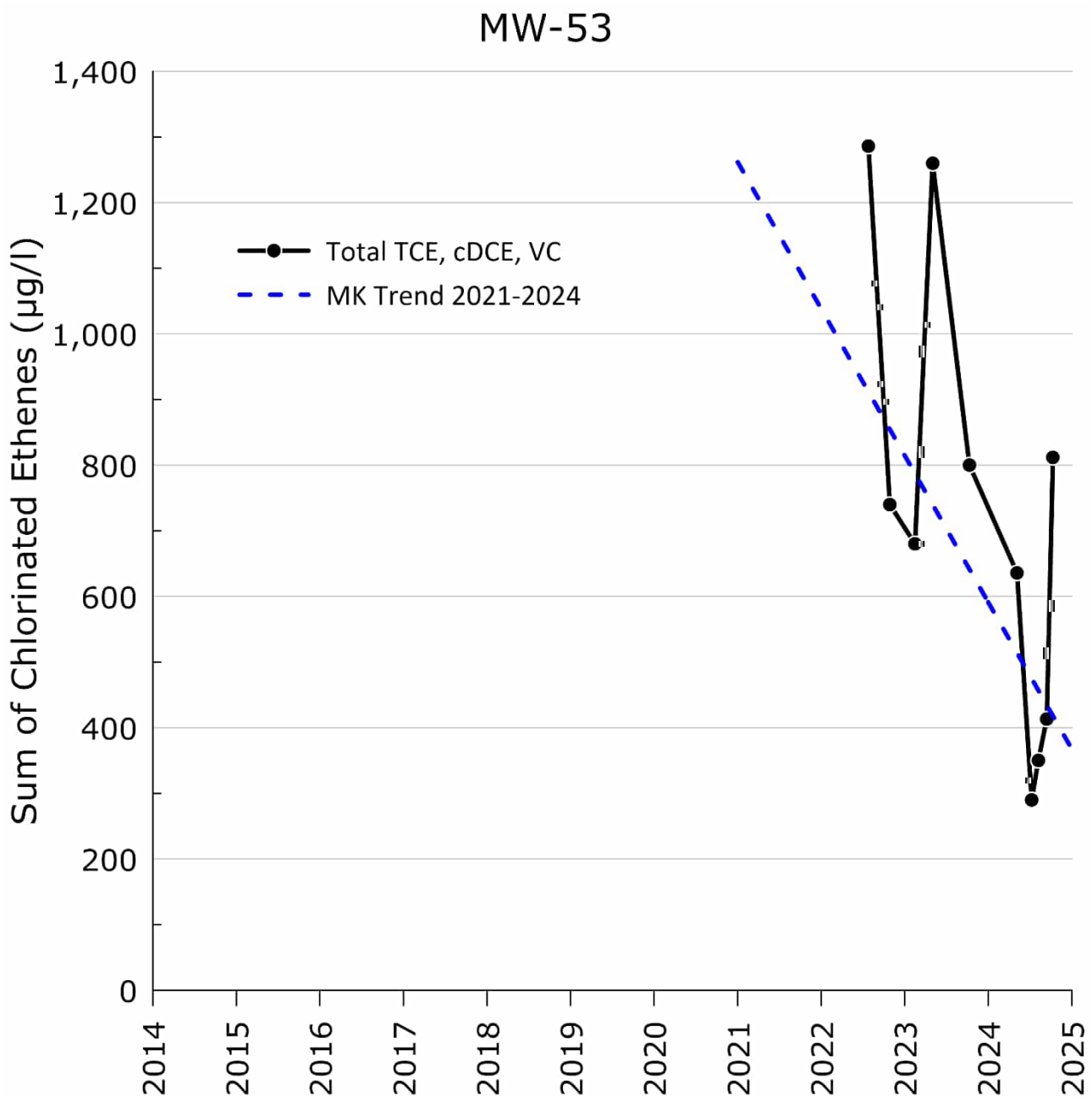

MW-48
Sum of Chlorinated Ethenes (µg/l)
Total TCE, cDCE, VC
MK Trend 2021-2024 (Not Significant)
0
20
40
60
80
100
120
140
160
180
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025

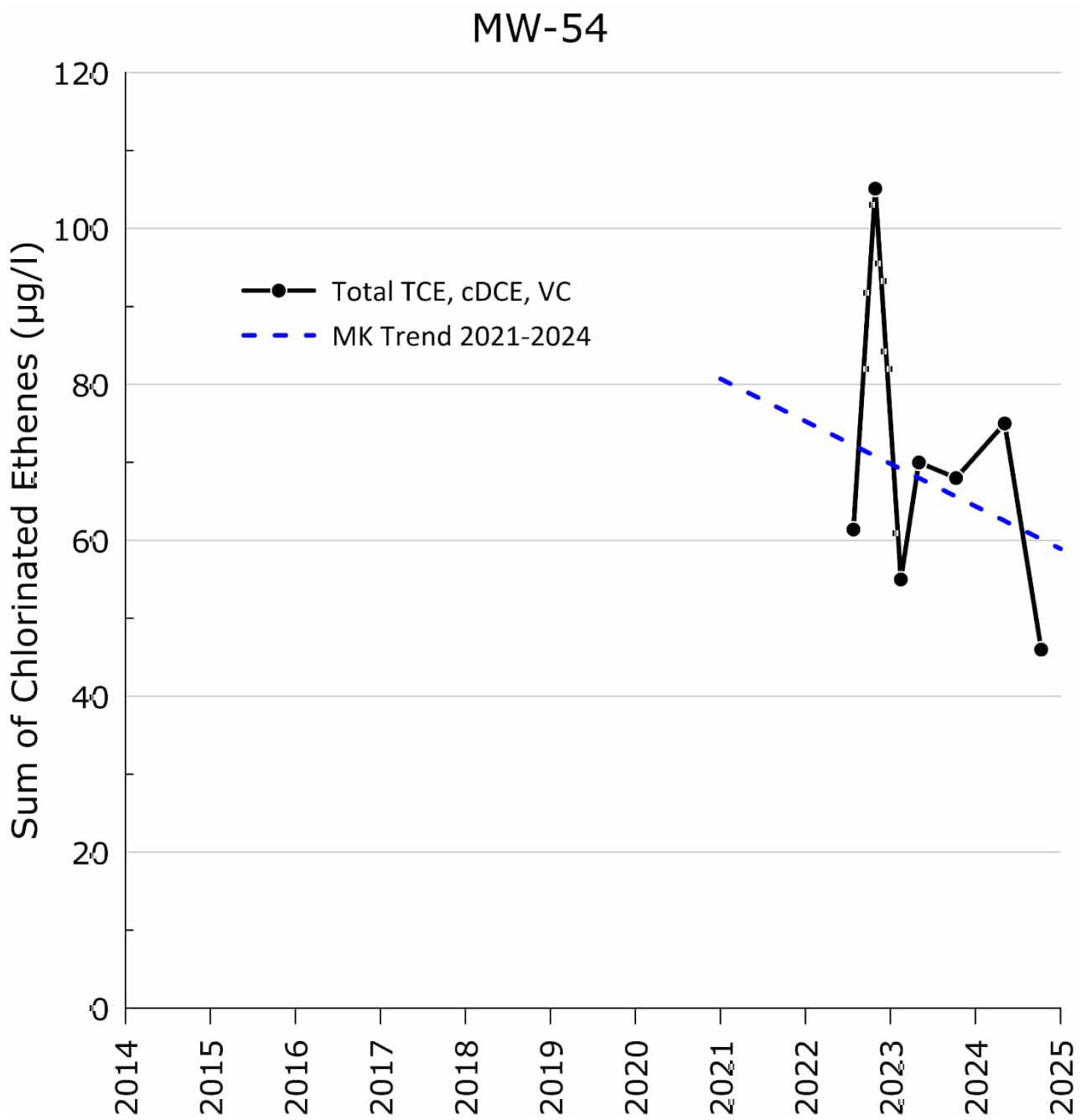

MW-49
Sum of Chlorinated Ethenes (µg/l)
1,600
1,400
1,200
1,000
800
600
400
200
0
Total TCE, cDCE, VC
MK Trend 2021-2024 (Not Significant)
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025

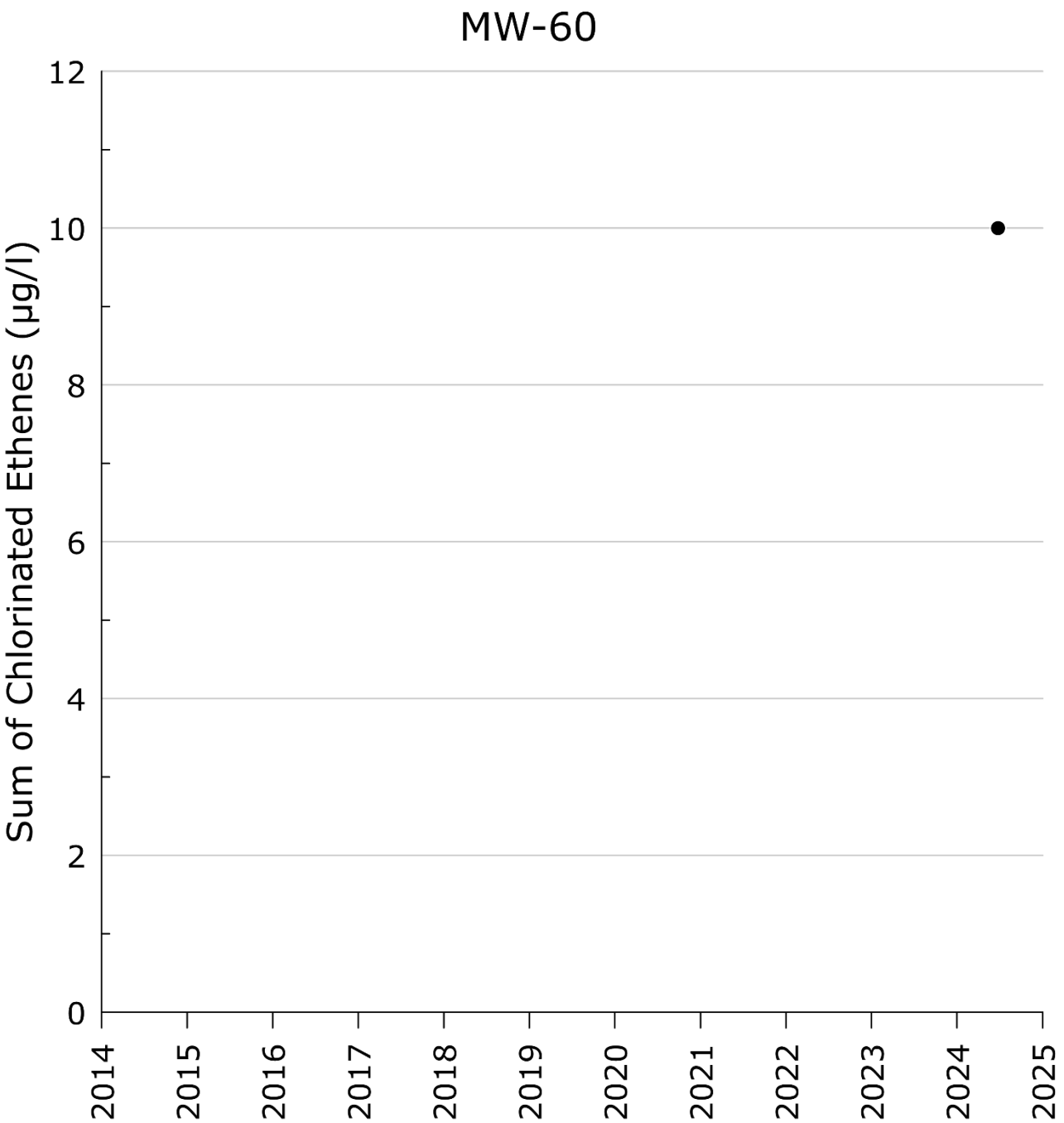

MW-50
Sum of Chlorinated Ethenes (µg/l)
900
800
700
600
500
400
300
200
100
0
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
Total TCE, cDCE, VC
MK Trend 2021-2024 (Significant)

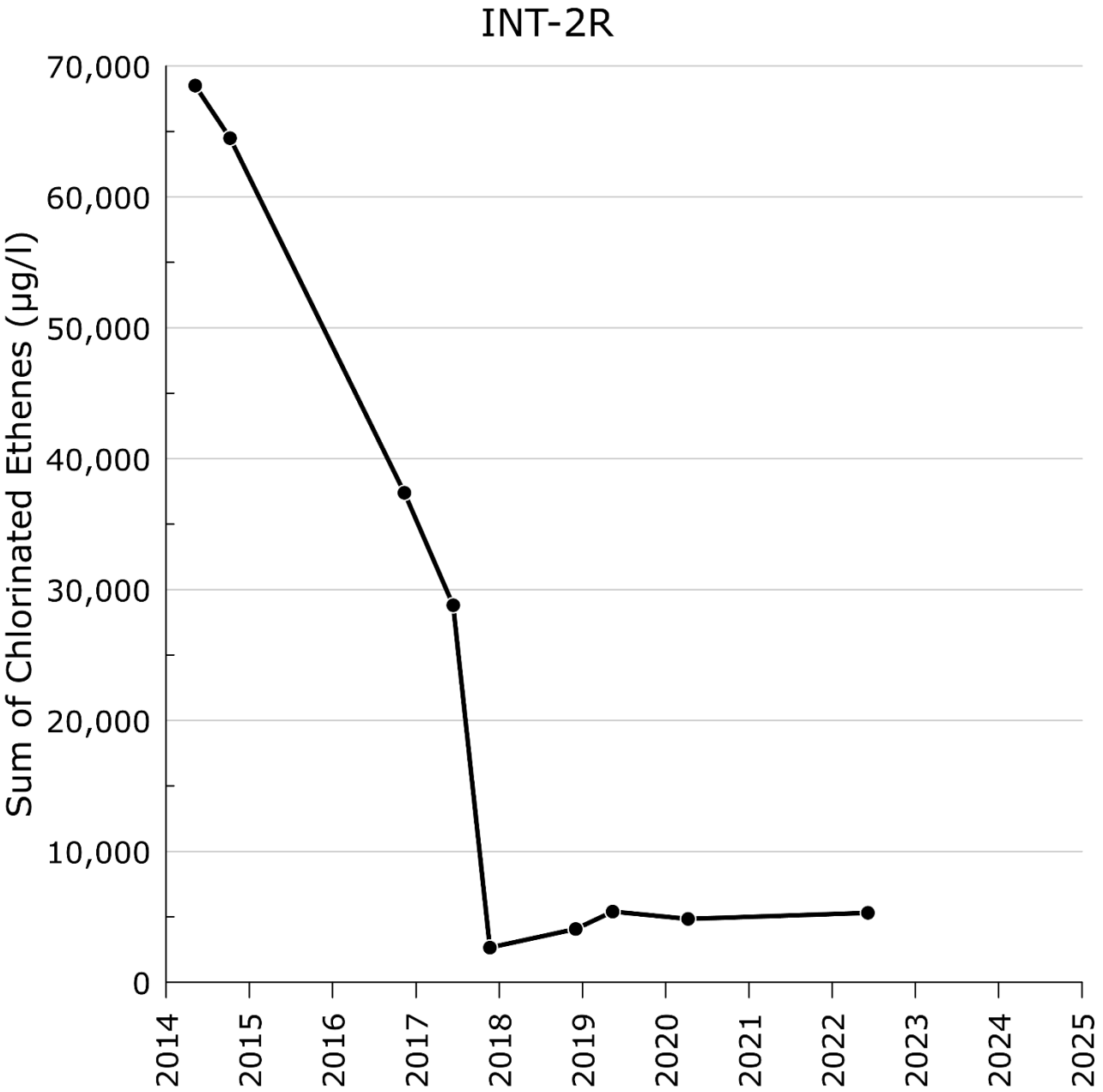

MW-51
Total TCE, cDCE, VC
MK Trend 2021-2024 (Not Significant)
Sum of Chlorinated Ethenes (µg/l)
4,000
3,600
3,200
2,800
2,400
2,000
1,600
1,200
800
400
0
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025

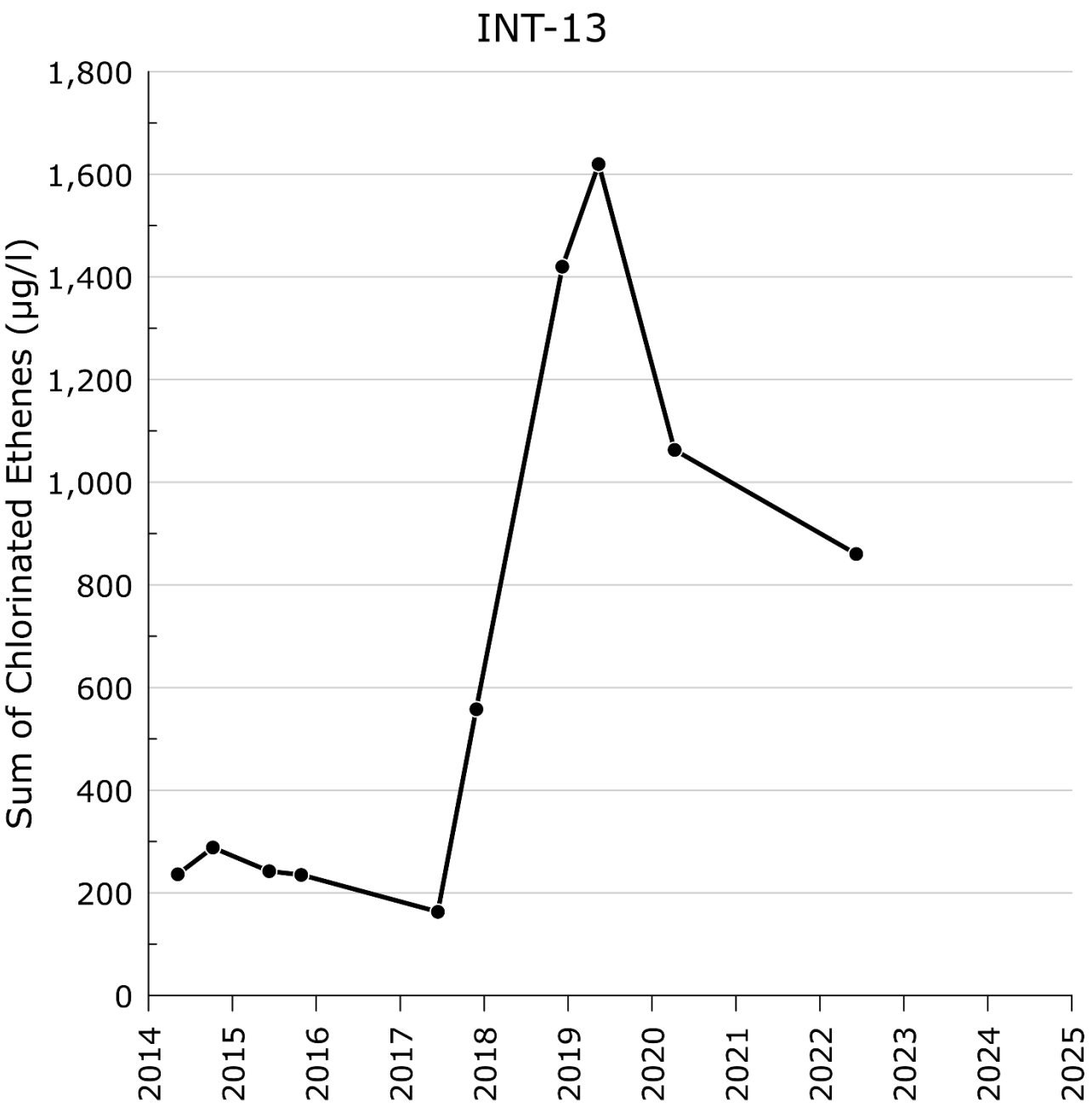

MW-52
Sum of Chlorinated Ethenes (µg/l)
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
Total TCE, cDCE, VC
MK Trend 2021-2024 (Not Significant)
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025

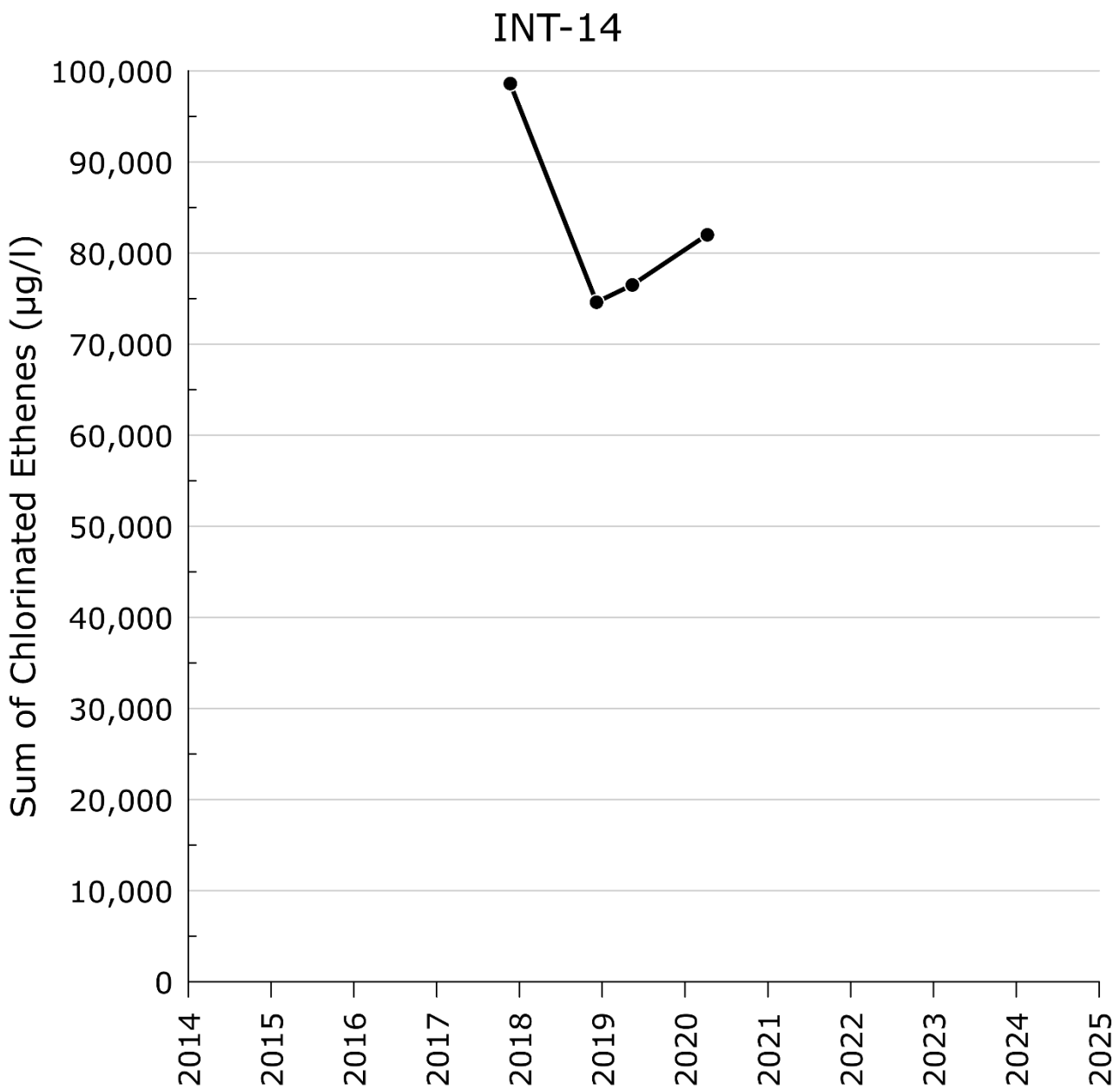

MW-53
Sum of Chlorinated Ethenes (µg/l)
1,400
1,200
1,000
800
600
400
200
0
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
Total TCE, cDCE, VC
MK Trend 2021-2024


MW-54
Sum of Chlorinated Ethenes (µg/l)
120
100
80
60
40
20
0
Total TCE, cDCE, VC
MK Trend 2021-2024
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025


MW-60
Sum of Chlorinated Ethenes (µg/l)
0
2
4
6
8
10
12
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025


INT-2R
Sum of Chlorinated Ethenes (µg/l)
70,000
60,000
50,000
40,000
30,000
20,000
10,000
0
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025


INT-13
Sum of Chlorinated Ethenes (µg/l)
1,800
1,600
1,400
1,200
1,000
800
600
400
200
0
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025


INT-14
Sum of Chlorinated Ethenes (µg/l)
100,000
90,000
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
0
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025

APPENDIX H ANNUAL SITE-WIDE INSPECTION FORMS

Site-Wide Inspection Form
Former Lecia, Inc. Facility
Cheektowaga, New York

Item No.	Description	Yes	No	Inspector Comments	Notes
1	Has a change in Site ownership occurred?		X	The Site was purchased by 203 Eggert Road Properties, LLC 29 September 2023	NYSDEC was informed by LLC on 23 January 2024.
2	Has a change in Site use occurred?		X		Current use is commercial/industrial.
3	Is any new building construction planned?		X		
4	Has there been any soil disturbance(s) within the previous year? If yes, was it conducted in accordance with the EWP?	X		NYSDEC approved PRB and monitoring well installation. Property owner installed pre-excavation soil borings.	Documentation must be provided as required by the EWP.
5	Are there any planned soil disturbances at this time?		X		NYSDEC must be informed 15 days in advance.
6	Is groundwater underlying the Site being used?		X		
7	Is there any non-conforming Site use? For example: vegetable gardens, non-commercial, non-industrial, etc.		X		
8	Is there any activities being conducted which may interfere with the remedy or implementation of the Site's IC/ECs?	X		The building continues to be inaccessible due to integrity issues and is currently undergoing renovation.	
9	GWES - Upon visual inspection of the entire system, are any components or appurtenances performing inadequately?		X	NYSDEC approved GWES shutdown as of June 2024. At the time of this PRR the system continues to be offline.	
10	GWES - Remote Terminal Unit/ Control Panel - Are there any deficiencies in the control, communication, or alarm devices?		X	NYSDEC approved GWES shutdown as of June 2024. At the time of this PRR the system continues to be offline.	
11	GWES - Conveyance - Are they any leaks, blockages, or other deficiencies in the pipes, valves, or connections?		X	NYSDEC approved GWES shutdown as of June 2024. At the time of this PRR the system continues to be offline.	

Item No.	Description	Yes	No	Inspector Comments	Notes
12	GWES - Has there been any material reductions in effluent flow rates or changes in water levels?		X	NYSDEC approved GWES shutdown as of June 2024. At the time of this PRR the system continues to be offline.	
13	GWES - Pump - Does the pump show signs of abnormal, erratic, or improper operation?		X	NYSDEC approved GWES shutdown as of June 2024. At the time of this PRR the system continues to be offline.	
14	Is the basement occupied?		X		
15	SSDSs - Remote Terminal Unit/Control Panel - Are there any deficiencies in the control, communication, or alarm devices?		NA	Due to health and safety concerns we were unable to access the building.	
16	SSDSs - Conveyance - Are they any leaks, blockages, or other deficiencies in the pipes, valves, or connections?		NA	Due to health and safety concerns we were unable to access the building.	
17	SSDSs - Are there material reductions in the extent of sub-slab vacuum response?		NA	Due to health and safety concerns we were unable to access the building.	
18	SSDSs - Blower/Fan - Do the blower/fan units show signs of abnormal, erratic, or improper operation?		NA	Due to health and safety concerns we were unable to access the building. Blower 7 & 8 turned off.	
19	SSDSs - Is there an air intake or operable window within 10 feet of any exhuast point?		X		NYSDOH guidance requires exhaust points to be located at least 10 feet away from an air intake.
20	SSDSs - Have there been any material changes to the buildings HVAC system?		NA	Due to health and safety concerns we were unable to access the building.	
21	SSDSs - Are there signs of leaks/short circuiting through cracks in the concrete floor, floor joints, and suction points?		NA	Due to health and safety concerns we were unable to access the building.	Evaluate need for repairs in combination with vacuum monitoring readings.

Corrective Measures

If "Yes" is answered for Item Nos. 1-21, specify corrective measures.

All soil disturbances are planned events with NYSDEC knowledge. When building renovations are complete building integrity will re-assessed.

Monitoring Well Inspection

Inspected and documented the overall integrity and condition of each on-Site and off-Site groundwater monitoring wells. No structural or integrity deficiencies observed.

Photographs

Attached photographs of site conditions.

Additional Comments / Observations / Notes

None.

Name of Inspector: Jason Reynolds

Signature of Inspector: 

Date: 4/22/2025

Photographic Log

CLIENT: Leica, Inc.	SITE LOCATION: 203 Eggert Rd. Cheektowaga, NY 14215	PROJECT NO.: 0709858

PHOTO NO.	DATE
1.	14 March, 2025

DIRECTION PHOTO TAKEN

Facing Northwest

DESCRIPTION

Photo of building conditions and northern sawtooth as seen from the eastern parking lot.



PHOTO NO.	DATE
2.	14 March, 2025

DIRECTION PHOTO TAKEN

Facing Southwest

DESCRIPTION

Central building and southern sawtooth from eastern parking lot.



Photographic Log

CLIENT: Leica, Inc.	SITE LOCATION: 203 Eggert Rd. Cheektowaga, NY 14215	PROJECT NO.: 0709858

PHOTO NO. 3.	DATE 14 March, 2025

DIRECTION PHOTO TAKEN

Facing Southwest

DESCRIPTION

Southern sawtooth southeastern portion of building.



PHOTO NO. 4.	DATE 14 March, 2025

DIRECTION PHOTO TAKEN

Facing West

DESCRIPTION

Southeast corner of building in disrepair.



Photographic Log

CLIENT: Leica, Inc.	SITE LOCATION: 203 Eggert Rd. Cheektowaga, NY 14215	PROJECT NO.: 0709858

PHOTO NO.	DATE
5.	28 March, 2025

DIRECTION PHOTO TAKEN
Facing West

DESCRIPTION

PRB installation area.



PHOTO NO.	DATE
6.	28 March, 2025

DIRECTION PHOTO TAKEN

Facing North

DESCRIPTION

MW-11A and pump manifold.



Photographic Log

CLIENT: Leica, Inc.	SITE LOCATION: 203 Eggert Rd. Cheektowaga, NY 14215	PROJECT NO.: 0709858

PHOTO NO.	DATE
7.	28 March, 2025

DIRECTION PHOTO TAKEN

Facing Northwest

DESCRIPTION

PRB monitoring wells.



PHOTO NO.	DATE
8.	28 March, 2025

DIRECTION PHOTO TAKEN

Facing West

DESCRIPTION

St. Stanislaus property monitoring wells.



Photographic Log

CLIENT: Leica, Inc.	SITE LOCATION: 203 Eggert Rd. Cheektowaga, NY 14215	PROJECT NO.: 0709858

PHOTO NO.	DATE
9.	28 March, 2025

DIRECTION PHOTO TAKEN

Facing South

DESCRIPTION

Cemetery property facing Preston Ave.



PHOTO NO.	DATE
10.	14 March, 2025

DIRECTION PHOTO TAKEN

Facing Southeast

DESCRIPTION

Debris pile onsite from building demolition activities.



APPENDIX I WASTE MANIFESTS

7479

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYD 002 100 295	1	(800) 899-4672	022647243 JJK

GENERATOR

5. Generator's Name and Mailing Address: LEICA MICROSYSTEMS INC.
2200 PENNSYLVANIA AVE
NW SUITE 800W
WASHINGTON, DC 20037
Generator's Phone: (800) 248-0123

Generator's Site Address (if different than mailing address)
203 EGGERT ROAD
CHEEKTOWAGA, NY 14225

6. Transporter 1 Company Name: ACV ENVIRONMENTAL SERVICE INC.
U.S. EPA ID Number: NJD 003 812 047

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: CYCLE CHEM, INC.
217 SOUTH FIRST STREET
ELIZABETH, NJ 07206
Facility's Phone: (908) 355-5800
U.S. EPA ID Number: NJD 002 200 046

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	NA3082, Hazardous waste, liquid, n.o.s., (Lead, Trichloroethene), 9, PGIII, ERG #171	003	DM	1500	P	D008 F001 D040 B007
X	NA3082, Hazardous waste, liquid, n.o.s., (Trichloroethene), 9, PGIII, ERG #171	001	DM	400	P	F001 D040 D043
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1. 1009638-PCBT1 / F-Listed IDW Soil 2. 1009660-WR3 / F-Listed IDW Water [W;63.05.178700]
106 4/16
TR-0110 DC-013741
Plate-AT-369m TL-600S - DC-013485 - Plate-TT-F-40A

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Agent on Behalf of Leica Jason Reynolds
Signature:
Month: 3 Day: 26 Year: 24

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: William Smith
Signature:
Month: 3 Day: 26 Year: 24

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☑ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
11-1) 1082 12-1) K
Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141	H141		

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: J Oriano
Signature:
Month: 4 Day: 15 Year: 24

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete. DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

10801

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYD 002 100 295	1	(800) 899-4672	022647289 JJK

GENERATOR

5. Generator's Name and Mailing Address: LEICA MICROSYSTEMS INC.
2200 PENNSYLVANIA AVE
NW SUITE 800W
WASHINGTON, DC 20037
Generator's Phone: (800) 248-0123

Generator's Site Address (if different than mailing address):
203 EGGERT ROAD
CHEEKTOWAGA, NY 14225

6. Transporter 1 Company Name: ACV ENVIRONMENTAL SERVICES INC.
U.S. EPA ID Number: NJD 003 812 047

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: CYCLE CHEM, INC.
217 SOUTH FIRST STREET
ELIZABETH, NJ 07206
Facility's Phone: (908) 355-5800
U.S. EPA ID Number: NJD 002 200 046

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	~~1NA3082, Hazardous waste, liquid, n.o.s., (Trichloroethene), 9, PGIII, ERG #171~~ DID NOT SHIP WBS	~~001~~	TP		~~G~~	~~F001~~	~~D040~~	~~D043~~
X	2NA3082, Hazardous waste, liquid, n.o.s., (Trichloroethene), 9, PGIII, ERG #171	005	DM	250	G	F001	D040	D043
X	3NA3077, Hazardous waste, solid, n.o.s., (Trichloroethylene), 9, PGIII, ERG #171	003	DM	300	P	F001	D27	
	4NON HAZARDOUS SOLID WASTE, NOT DOT NOT RCRA REGULATED	006	DM	4800	P	D27		

14. Special Handling Instructions and Additional Information
1. 1009660-WR3 / F-Listed IDW Water 2. 1009660-WR3 / F-Listed IDW Water 3. 777426-SSM / PPE from IDW groundwater sampling 4. 1024700-LD / Non Haz soil [W:63.05.190900]

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Agent on Behalf of Leica Reynolds
Signature: Jay
Month: 7 Day: 10 Year: 24

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: William Szymanski
Signature:
Month: 7 Day: 10 Year: 24

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141	H141	H141	H141

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: J Coriano
Signature: J Coriano
Month: 7 Day: 29 Year: 24

10796

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYD 002 100 295	1	(800) 899-4672	022647299 JJK

GENERATOR

5. Generator's Name and Mailing Address: LEICA MICROSYSTEMS INC.
2200 PENNSYLVANIA AVE
NW SUITE 800W
WASHINGTON, DC 20037
Generator's Phone: (800) 248-0123

Generator's Site Address (if different than mailing address)
203 EGGERT ROAD
CHEEKTOWAGA, NY 14225

6. Transporter 1 Company Name: ACV ENVIRONMENTAL SERVICES INC.
U.S. EPA ID Number: NJD 003 812 047

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address: CYCLE CHEM, INC.
217 SOUTH FIRST STREET
ELIZABETH, NJ 07206
Facility's Phone: (908) 355-5800
U.S. EPA ID Number: NJD 002 200 046

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	NA3082, Hazardous waste, liquid, n.o.s., (Trichloroethene), 9, PGIII, ERG #171	1	DM	55	G	F001	D040	D043
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. 1009660-WR3 / F-Listed IDW Water [W:63.05.190900]

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Agent of Leica Jason Reynolds
Signature:
Month: 7 Day: 10 Year: 24

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Mark Robbins
Signature:
Month: 7 Day: 10 Year: 24

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: J Coriano
Signature: J Coriano
Month Day Year: 7 10 2024

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete. DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

23459

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYD 002 100 295	1	(800) 899-4672	022647339 JJK

GENERATOR

5. Generator's Name and Mailing Address: LEICA MICROSYSTEMS INC.
2200 PENNSYLVANIA AVE
NW SUITE 800W
WASHINGTON, DC 20037
Generator's Phone: (800) 248-0123

Generator's Site Address (if different than mailing address):
203 EGGERT ROAD
CHEEKTOWAGA, NY 14225

6. Transporter 1 Company Name: ACV ENVIRONMENTAL SERVICES INC.
U.S. EPA ID Number: NJD 003 812 047

7. Transporter 2 Company Name: ACV Environmental Services Inc
U.S. EPA ID Number: NJD003812047

8. Designated Facility Name and Site Address: US ECOLOGY BURLINGTON, INC.
54 AVENUE D
WILLISTON, VT 05495
Facility's Phone: (802) 860-1200
U.S. EPA ID Number: VTR 000 517 052

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit WL/Vol.	13. Waste Codes
X	1. NA3082, Hazardous waste, liquid, n.o.s., (Trichloroethylene), 9, PGIII, ERG #171	~~003~~ 002	DM	100	G	F001
X	2. NA3082, Last Contained hazardous waste, liquid, n.o.s., (Trichloroethylene), 9, PGIII, ERG #171	003	TP	145	P	VT99
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1. H223339BUR / F-Listed IDW Groundwater 2. H224599BUR / Totes Last Contained F-Listed IDW Water [W:63.05.197300]
PZ13.13651

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Authorized Agent of Leica Microsystems — Signature: [signature] — Month 9 Day 17 Year 24

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: William Szymanski — Signature: [signature] — Month 9 Day 17 Year 24

Transporter 2 Printed/Typed Name: A Bellino — Signature: [signature] — Month 9 Day 23 Year 24

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141	H141		

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Carl Kirby — Signature: [signature] — Month 9 Day 30 Year 24

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete. DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

13407

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NYD 002 100 295
2. Page 1 of: 1
3. Emergency Response Phone: (800) 899-4672
4. Manifest Tracking Number: 022647340 JJK

GENERATOR

5. Generator's Name and Mailing Address: LEICA MICROSYSTEMS INC.
2200 PENNSYLVANIA AVE
NW SUITE 800W
WASHINGTON, DC 20037
Generator's Phone: (800) 248-0123

Generator's Site Address (if different than mailing address)
203 EGGERT ROAD
CHEEKTOWAGA, NY 14225

6. Transporter 1 Company Name: ACV ENVIRONMENTAL SERVICES INC.
U.S. EPA ID Number: NJD 003 812 047

7. Transporter 2 Company Name: ACV Environmental Services Inc
U.S. EPA ID Number: NJD003812047

8. Designated Facility Name and Site Address: CYCLE CHEM, INC.
217 SOUTH FIRST STREET
ELIZABETH, NJ 07206
Facility's Phone: (908) 355-5800
U.S. EPA ID Number: NJD 002 200 046

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. NA3077, Hazardous waste, solid, n.o.s., (Trichloroethylene), PGIII, ERG #171	9, 001	DM	20	P	F001	ID27	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. 777426-SSM / PPE from IDW groundwater sampling [W:63.05.197300]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Authorized Agent for Leica Jason Reynolds
Signature:
Month: 9 Day: 17 Year: 24

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: William Szymanski
Signature:
Month: 9 Day: 17 Year: 24

Transporter 2 Printed/Typed Name: A. Bellini
Signature:
Month: 9 Day: 23 Year: 24

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name:
Signature:
Month: 09 Day: 30 Year: 24

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

20974

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYD 002 100 295	1	(800) 899-4672	022647389 JJK

GENERATOR

5. Generator's Name and Mailing Address: LEICA MICROSYSTEMS INC.
2200 PENNSYLVANIA AVE
NW SUITE 800W
WASHINGTON, DC 20037
Generator's Phone: (800) 248-0123

Generator's Site Address (if different than mailing address):
203 EGGERT ROAD
CHEEKTOWAGA, NY 14225

6. Transporter 1 Company Name: ACV ENVIRONMENTAL SERVICES INC.
U.S. EPA ID Number: NJD 003 812 047

7. Transporter 2 Company Name: ACV Environmental Services Inc
U.S. EPA ID Number: NJD003812047

8. Designated Facility Name and Site Address: CYCLE CHEM, INC.
217 SOUTH FIRST STREET
ELIZABETH, NJ 07206
Facility's Phone: (908) 355-5800
U.S. EPA ID Number: NJD 002 200 046

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. NA3077, Hazardous waste, solid, n.o.s., (Trichloroethylene), 9, PGIII, ERG #171	001	DM	00250	P	F001	D027	
X	2. NA3082, Hazardous waste, liquid, n.o.s., (Trichloroethene), 9, PGIII, ERG #171	003	DM	00150	G	F001	D040	D043
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. 777426-SSM / PPE from IDW groundwater sampling 2. 1009660-WR3 / F-Listed IDW Water [W:63.05.190901] [P213.13340]

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Authorized Agent of Leica Jason Reynolds
Signature:
Month: 3 Day: 27 Year: 25

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Tyrone Sanders
Signature:
Month: 03 Day: 27 Year: 25

Transporter 2 Printed/Typed Name: JOE Walsh
Signature:
Month: 4 Day: 14 Year: 25

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141	H141		

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Patricia Canales
Signature: P Canales
Month: 4 Day: 28 Year: 2025

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete. DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

APPENDIX J STRUCTURAL ASSESSMENT REPORT

50 Millstone Road
Building 300, Suite 110
East Windsor, NJ 08520
(609) 945-8000
(609) 945-8080 (fax)

ON-BOARD ENGINEERING
Flexible Service

Penn's Plaza
2 Penn's Way - Suite 400
New Castle, DE 19720
(302) 613-5030
(302) 613-5739 (fax)

August 14, 2024 Project No. EMRG-6709

Environmental Resources Management
Buffalo, New York

Attention: Mr. Jason Reynolds
Managing Consultant, Geology

Reference: Cheektowaga NY Building Roof Eval Part 2
203 Eggert Rd, Cheektowaga, NY 14215

Dear Jason:

The purpose of this letter is to describe our site visit conducted on Tuesday, May 14th to the facility at 203 Eggert Rd, Cheektowaga, NY. This former manufacturing facility converted to a distribution center with a building footprint of approximately 250,000 square foot (SF) is located on the site (see Figure 1). OBEC was contracted by ERM to perform a structural roof evaluation at 203 Eggert Road, Cheektowaga, New York. The structure is a former manufacturing facility currently used as a distribution center with a building footprint of approximately 250,000 square feet (SF). The manufacturing facility has two types of roofs. North and south ends of the structure have saw-tooth roofs and the remaining areas have flat roofs at different elevations (see Figure 1).

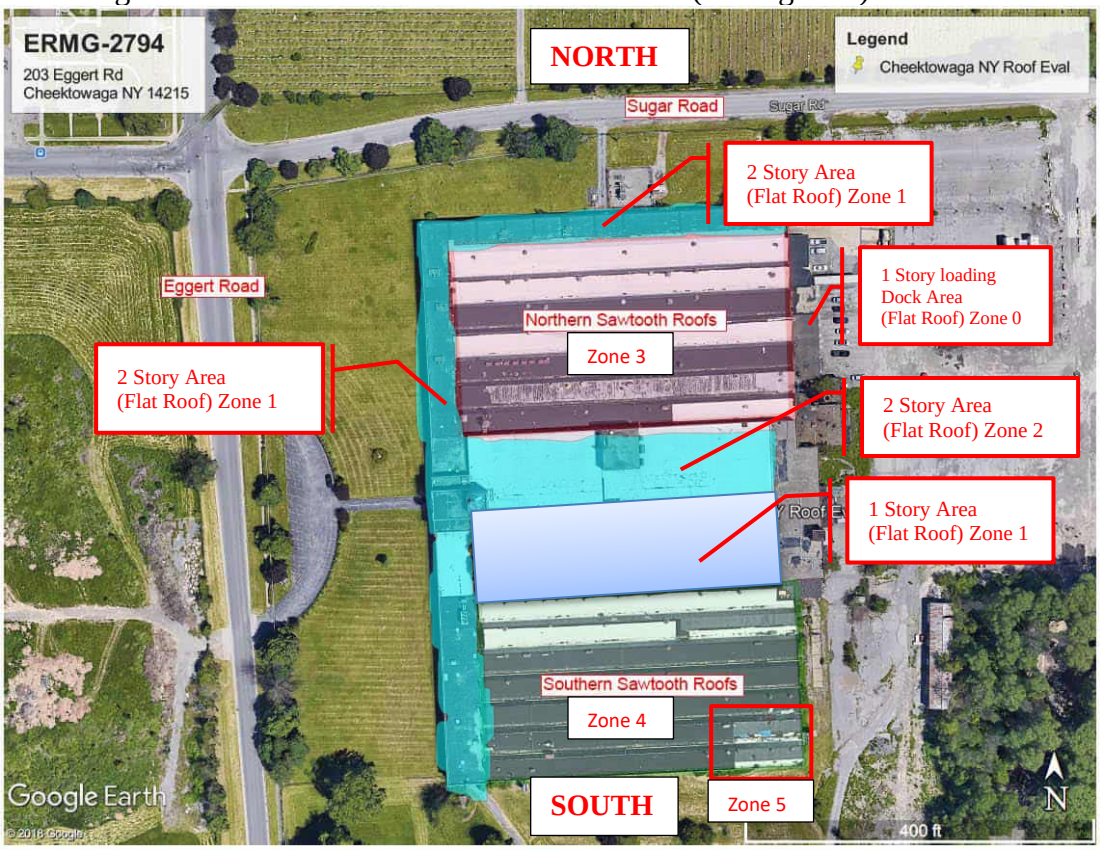


Figure 1a

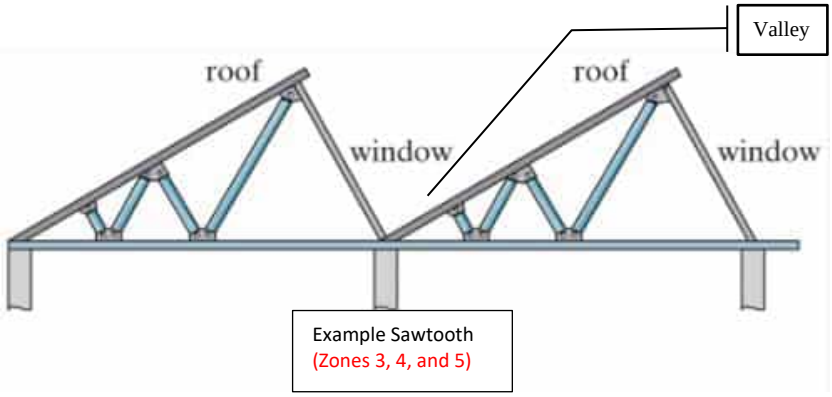


Figure 1b

Information provided by ERM indicated that the primary objective is to determine the structural stability and safety concerns within the facility as required to access the test wells and sensors.

Based on our site visit, we understand the following:

1. The existing facility is in disrepair, but it is repairable.
2. The valley sections (identified in the section above), as well as other sections of the sawtooth roof are damaged and have the potential to collapse, if not repaired. The sawtooth roofs (Zones 3, 4, and 5) are identified in the aerial view (Figure 1) above.
    a. There are sections of the valley and other sections of the sawtooth roof that have collapsed. The largest collapsed section is in Zone 5 shown on aerial view above (Figures 1a, 6 and 8).
    b. The flat roof section in Zone 2 appears to be in good condition as reviewed from the soffit below. (Figure 4b)

3. There is a construction team on site to perform demolition activities as well as roof stabilization.
    a. There are varying techniques that are currently being employed at this facility to stabilize the existing roof, including adding wood or metal decking under the existing gypsum deck. These methods can be acceptable, however, without an analysis of the material thickness, spans, and connections all by a structural engineer, it is difficult to determine if the current stabilization methods are adequate. Examples of these methods are shown in the photos below (Figures 3a, 3b, 3c, and 3d).

4. There is a section of the existing roof that has collapsed. Currently, the debris of the collapsed roof is being removed.
5. There are existing stacks that are currently unstable and require stabilization or removal.
6. ERM has testing wells and sub-slab depressurization systems throughout the facility that require periodic inspection by entering the facility and examining the test wells as well as testing instruments that are attached to walls.

Recommendations

Based on our understanding of the structure, the following are recommendations required to access the testing wells and SSDS equipment:

1. There should be limited access under the unprotected sawtooth roof areas, especially the valley sections of the roof until these areas of the roof are reinforced and stabilized and safe access is provided from the building exterior to the sampling and inspection locations. Until the roof is completely stabilized, a system of fixed scaffolding, designed by a Licensed Structural Engineer, can be installed to protect passage to the testing wells if access is required. Additional protected access to the well sensors that are affixed to some of the walls should also be maintained.
2. Access to areas where the unstable stacks are located shall be restricted until the stacks are stabilized or removed.
3. Adverse weather conditions could undermine the sawtooth roof structure and the unstable stacks. The building should not be accessed if adverse weather conditions are forecasted until the roof and stacks are completely stabilized.
4. The roof evaluation and repair strategy should be performed and designed by a Structural Engineer.

Discussion

On-Board previously evaluated a small section of the existing roof in 2019. This evaluation included the primary area of concern, a damaged roof in the southeast corner of the facility. The second site visit occurred on Tuesday, May 14th. During this visit we walked the entire building and were able to see the extent of damage to the valley of the sawtooth roof areas as well as other damaged roof areas. Additionally, some of the roof stacks appeared to be unstable. There was a section of the roof that collapsed, and the fallen debris was being removed. This collapsed section of the roof was observed by On-Board in 2019 and is identified in Figure 1a Zone 5.

The roof damage observed was caused by water infiltrating the building envelope, soaking into the structural roof deck, swelling the decking, and corroding the steel framing and reinforcing steel. The corroded steel swells in size and the reinforcing breaks. Once the reinforcing breaks, the roof deck collapses. The structure must be stabilized, and the building envelope must be sealed. A roof membrane replacement, drain modifications, and structural reinforcement is critical in extending the life of this structure while making the facility safe for use. Until these repairs are completed, temporary shoring and decking should be installed to protect any occupants. The unstable appurtenances, such as the roof stacks, should be removed or temporarily stabilized as required to resist environmental loads.

Below are pictures of some of the damaged areas observed during the site visit:



Figure 2



< Water Damaged Roof Plank and Plywood Replacement Decking (Figure 3a – Zone 3)

Water Damaged Roof Plank and Plywood Replacement Decking (Figure 3b – Zone 3)

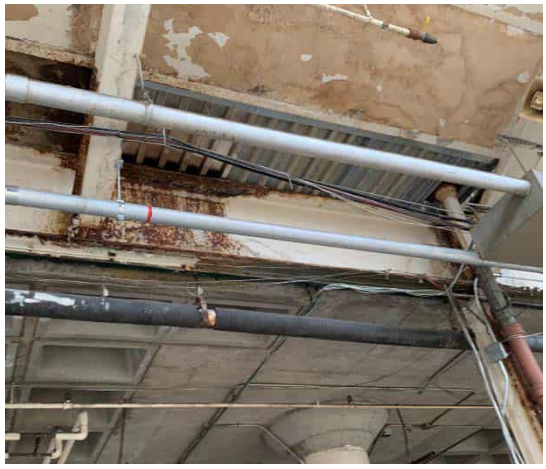


>



Metal Deck Replacement of Roof Section >
(Figure 3d – Zone 3)

< Metal Deck Replacement of Broken
Windows (Figure 3c – Zone 3)





Deteriorated Roof Decking at Valley (Figure 4a – Zone 3)



Section of Flat Roof Decking – Northern most end of building (Figure 4b – Zone 1)



Severely Deteriorated Roof Decking (Figure 5 – Zone 4)



Collapsed Roof Deck Area (Figure 6 – Zone 5)



Damage Below the Roof Skylights)
(Figure 7 – Zone 4



Collaped Roof
(Figure 8 – Zone 5)

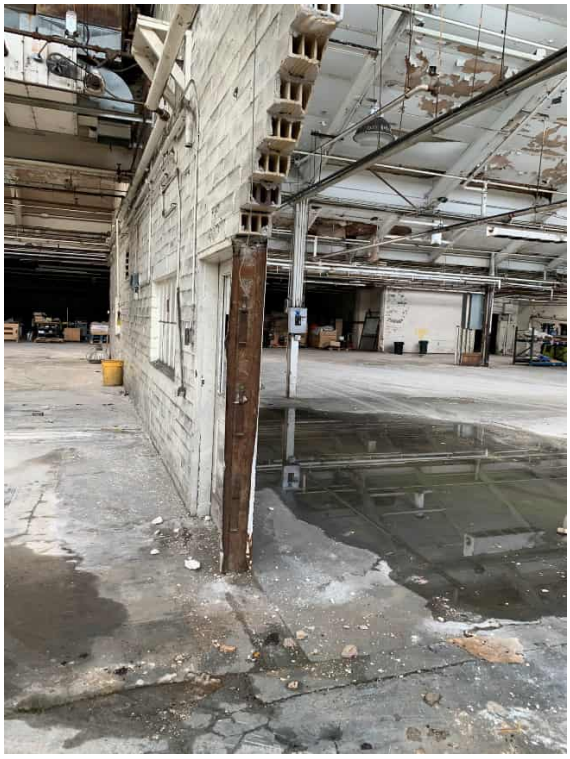




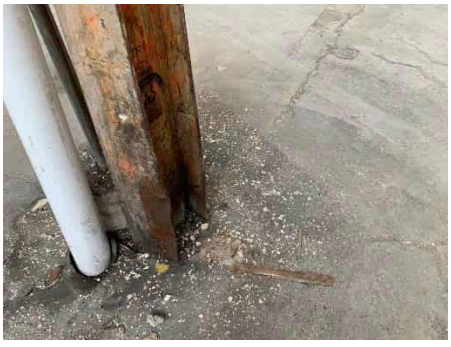
Unstable Stack Leaning Against Platform (Figure 9a and 9b)
(Figure 9a and 9b – Zone 2)



Damaged wall section
(Figure 10a – Zone 4)



Damaged wall section
(Figure 10b – Zone 3)



Damaged steel building column
(Figure 10a – Zone 3)



Damaged steel building column
(Figure 10b – Zone 3)


Falling Roof Insulation
(Figure 11a – Zone 0)


Metal Rf Deck / No Insulation
(Figure 11b – Zone 0)


Falling Insulation / Metal Deck
(Figure 11c – Zone 0)

Conclusion

We performed a field evaluation of the existing facility as required for access to the wells and sensors. The facility is undergoing repairs by contractors; however, structural design professionals have not been acquired to develop the repair strategy. Licensed Structural Engineers must be contracted to perform a detailed assessment and provide a repair strategy that would include drawings, specifications, and a scope of work document.

Based on our review, much of the facility is unstable and will require significant repair and stabilization before it is safe for well and sensor inspection access. Zones 1 and 2 appeared to be stable; however, access to these areas require movement through unstable areas of the building.

To access wells and sensors prior to complete stabilization and repair of the facility, shoring and scaffolding protection must be installed. This temporary scaffolding protection and shoring can be designed and installed to provide safe access to the wells and sensors; however, this may not be practical as the sensors and wells are located throughout the facility. Additionally, OSHA requires scaffolding and shoring to be inspected prior to the start of a work shift and after an adverse incident such as debris falling on scaffolding protection or an extreme weather or seismic event.

We trust that this report is responsive to your needs. Feel free to contact us with any questions or comments. We look forward to assisting with the project further.

Respectfully submitted,
On-Board Engineering Corporation

Salahudin Bin-Yusif

Salahudin Bin-Yusif, P.E.
CSA Engineering Manager

cc: Tim Daniluk, P.G.
Richard M. Jervis, P.E.
Renee R. Deaver, P.E.

APPENDIX K NYSDEC RESPONSE LETTER

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 9
700 Delaware Avenue, Buffalo, NY 14209
P: (716) 851-7220 | F: (716) 851-7226
www.dec.ny.gov

July 31, 2024

Pawel Kilmovich
203 Eggert Road Properties, LLC
333 Hollenbeck Street
Rochester, New York 14621

Dear Pawel Kilmovich:

Site Management (SM)
Excavations
Leica, Inc., Cheektowaga
Erie County, Site No.: **915156**

The New York State Department of Environmental Conservation (NYSDEC) was not notified in advance of the July 2nd through July 11th, 2024 intrusive activities conducted at the Leica, Inc. (915156) State Superfund Site. Per the Excavation Work Plan (EWP) that is part of the 2020 Site Management Plan (SMP) for this Site, the NYSDEC requires notification at least 15 days prior to the start of any intrusive activity. In addition, all the information noted in Section 1 of the EWP must be submitted to and approved by the NYSDEC, prior to beginning any intrusive activities. Continued violation of the SMP may result in referral to the NYSDEC's Office of General Counsel for legal enforcement.

At this time, no further information is required by the NYSDEC related to the July 2nd through July 11th, 2024 intrusive activities. However, these activities will need to be documented in the 2024-2025 Periodic Review Report. If you have any questions, please contact me at 716-851-7220 or email: megan.kuczka@dec.ny.gov.

Sincerely,

Megan Kuczka
Environmental Program Specialist – 1

ec: Andrea Caprio, P.E., Regional Remediation Engineer, NYSDEC Region 9
Andrew Zwack, Assistant Engineer, NYSDEC Region 9
Sara Bogardus, Region Chief, Public Health Specialist IV, NYSDOH Albany
Stephen Lawrence, Public Health Specialist, NYSDOH Albany
Vince Guiliani, Leica Microsystems, Inc.
Eugene Tkach, 203 Eggert Road Properties, LLC
Tim Daniluk, ERM Consulting & Engineering, Inc.
Stephen Mirabello, ERM Consulting & Engineering, Inc.
Joe Fiacco, ERM Consulting & Engineering, Inc.

APPENDIX L WELL DECOMMISSIONING LOGS

Monitoring Well Decommissioning Form

ERM

ERM Personnel	George Hermance	**Project Name**	Leica - Cheektowaga
Date	5/6/2024	**Project Number**	0671863
Weather	56-59°F, sunny, WNW 13 mph	**Project Location**	203 Eggert Rd, Cheektowaga, NY 14215

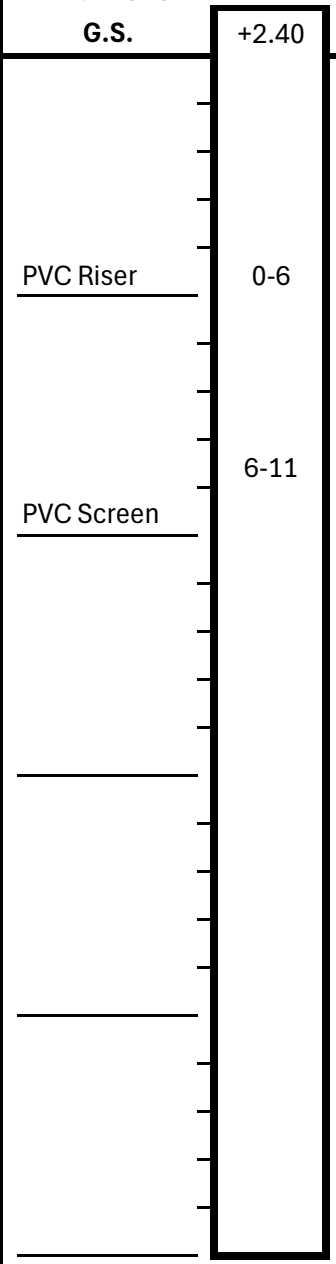
Well Information

Well ID	**TW-01**	**Well Depth**	12 feet
Bedrock (Y/N)	**N**	**Well Diameter**	2 inch
Well Use	**Groundwater sampling**		

Decommissioning Data (Fill in all that apply)

Drilling Contractor	Parratt-Wolff
Overdrilling	
Interval Drilled	N/A
Drilling Method(s)	N/A
Borehole Dia. (in.)	N/A
Temporary Casing Installed? (Y/N)	N/A
Depth Temporary Casing Installed	N/A
Casing Type/Dia. (in.)	N/A
Method of Installing	N/A
Casing Pull	
Method Employed	Direct pull
Casing Retrieved (feet)	14.4
Casing Type/Dia (in.)	PCV - 2 inch
Casing Perforating	
Equipment Used	N/A
Number of Perforations Per Foot	N/A
Size of Perforations	N/A
Interval Perforated	N/A
Grouting	
Interval Grouted (ft. bgs.)	0-12 feet
# of Batches Prepared	N/A
For Each Batch Record:	
Quantity of Water (gal.)	N/A
Quantity of Cement (lbs.)	N/A
Cement Type	Portland Cement
Quantity of Bentonite (lbs.)	N/A
Quantity of Calcium Chloride (lbs.)	N/A
Volume of Grout Prepared (gal.)	N/A
Volume of Grout Used (gal.)	~2 gallons

Well Schematic*



Comments

* Sketch all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup etc.

Signature

Monitoring Well Decommissioning Form

ERM

ERM Personnel	George Hermance	**Project Name**	Leica - Cheektowaga
Date	5/6/2024	**Project Number**	0671863
Weather	56-59°F, sunny, WNW 13 mph	**Project Location**	203 Eggert Rd, Cheektowaga, NY 14215

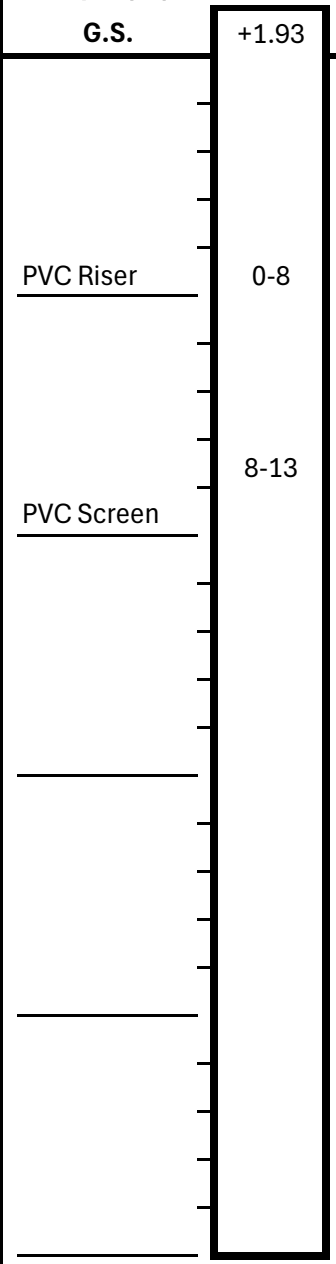
Well Information

Well ID	**TW-02**	**Well Depth**	13 feet
Bedrock (Y/N)	**N**	**Well Diameter**	2 inch
Well Use	**Groundwater sampling**		

Decommissioning Data (Fill in all that apply)

Drilling Contractor	Parratt-Wolff
Overdrilling	
Interval Drilled	N/A
Drilling Method(s)	N/A
Borehole Dia. (in.)	N/A
Temporary Casing Installed? (Y/N)	N/A
Depth Temporary Casing Installed	N/A
Casing Type/Dia. (in.)	N/A
Method of Installing	N/A
Casing Pull	
Method Employed	Direct pull
Casing Retrieved (feet)	14.93
Casing Type/Dia (in.)	PCV - 2 inch
Casing Perforating	
Equipment Used	N/A
Number of Perforations Per Foot	N/A
Size of Perforations	N/A
Interval Perforated	N/A
Grouting	
Interval Grouted (ft. bgs.)	0-13 feet
# of Batches Prepared	N/A
For Each Batch Record:	
Quantity of Water (gal.)	N/A
Quantity of Cement (lbs.)	N/A
Cement Type	Portland Cement
Quantity of Bentonite (lbs.)	N/A
Quantity of Calcium Chloride (lbs.)	N/A
Volume of Grout Prepared (gal.)	N/A
Volume of Grout Used (gal.)	~2 gallons

Well Schematic*



Comments	

* Sketch all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup etc.

Signature

Monitoring Well Decommissioning Form

ERM Personnel	George Hermance	**Project Name**	Leica - Cheektowaga
Date	5/6/2024	**Project Number**	0671863
Weather	56-59°F, sunny, WNW 13 mph	**Project Location**	203 Eggert Rd, Cheektowaga, NY 14215

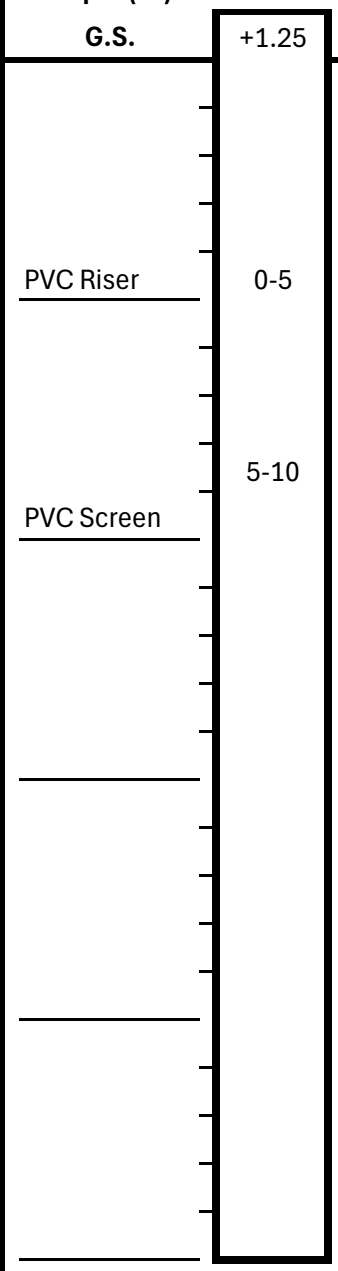
Well Information

Well ID	**TW-03**	**Well Depth**	11 feet
Bedrock (Y/N)	**N**	**Well Diameter**	2 inch
Well Use	**Groundwater sampling**		

Decommissioning Data (Fill in all that apply)

Drilling Contractor	Parratt-Wolff
Overdrilling	
Interval Drilled	N/A
Drilling Method(s)	N/A
Borehole Dia. (in.)	N/A
Temporary Casing Installed? (Y/N)	N/A
Depth Temporary Casing Installed	N/A
Casing Type/Dia. (in.)	N/A
Method of Installing	N/A
Casing Pull	
Method Employed	Direct pull
Casing Retrieved (feet)	12.25
Casing Type/Dia (in.)	PCV - 2 inch
Casing Perforating	
Equipment Used	N/A
Number of Perforations Per Foot	N/A
Size of Perforations	N/A
Interval Perforated	N/A
Grouting	
Interval Grouted (ft. bgs.)	0-11 feet
# of Batches Prepared	N/A
For Each Batch Record:	
Quantity of Water (gal.)	N/A
Quantity of Cement (lbs.)	N/A
Cement Type	Portland Cement
Quantity of Bentonite (lbs.)	N/A
Quantity of Calcium Chloride (lbs.)	N/A
Volume of Grout Prepared (gal.)	N/A
Volume of Grout Used (gal.)	~2 gallons

Well Schematic*



Comments

* Sketch all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup etc.

Signature

Monitoring Well Decommissioning Form

ERM Personnel	George Hermance	**Project Name**	Leica - Cheektowaga
Date	5/6/2024	**Project Number**	0671863
Weather	56-59°F, sunny, WNW 13 mph	**Project Location**	203 Eggert Rd, Cheektowaga, NY 14215

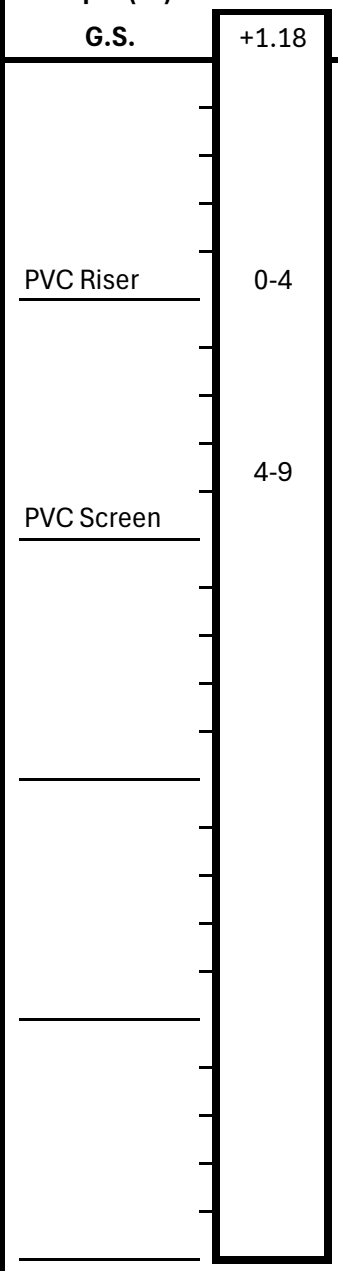
Well Information

Well ID	**TW-04**	**Well Depth**	11 feet
Bedrock (Y/N)	**N**	**Well Diameter**	2 inch
Well Use	**Groundwater sampling**		

Decommissioning Data (Fill in all that apply)

Drilling Contractor	Parratt-Wolff
Overdrilling	
Interval Drilled	N/A
Drilling Method(s)	N/A
Borehole Dia. (in.)	N/A
Temporary Casing Installed? (Y/N)	N/A
Depth Temporary Casing Installed	N/A
Casing Type/Dia. (in.)	N/A
Method of Installing	N/A
Casing Pull	
Method Employed	Direct pull
Casing Retrieved (feet)	12.18
Casing Type/Dia (in.)	PCV - 2 inch
Casing Perforating	
Equipment Used	N/A
Number of Perforations Per Foot	N/A
Size of Perforations	N/A
Interval Perforated	N/A
Grouting	
Interval Grouted (ft. bgs.)	0-11 feet
# of Batches Prepared	N/A
For Each Batch Record:	
Quantity of Water (gal.)	N/A
Quantity of Cement (lbs.)	N/A
Cement Type	Portland Cement
Quantity of Bentonite (lbs.)	N/A
Quantity of Calcium Chloride (lbs.)	N/A
Volume of Grout Prepared (gal.)	N/A
Volume of Grout Used (gal.)	~2 gallons

Well Schematic*



Comments

* Sketch all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup etc.

Signature

Monitoring Well Decommissioning Form

ERM

ERM Personnel	George Hermance	**Project Name**	Leica - Cheektowaga
Date	5/7/2024	**Project Number**	0671863
Weather	56-59°F, sunny, WNW 13 mph	**Project Location**	203 Eggert Rd, Cheektowaga, NY 14215

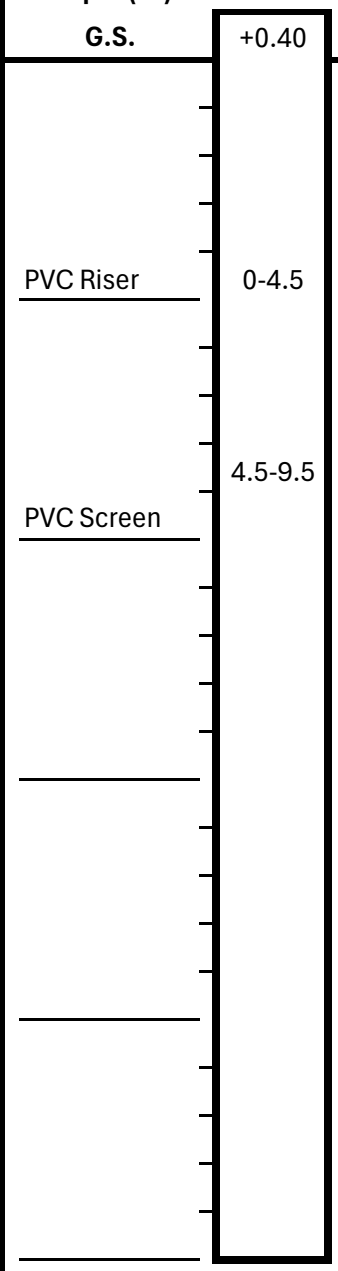
Well Information

Well ID	**TW-05**	**Well Depth**	10 feet
Bedrock (Y/N)	**N**	**Well Diameter**	2 inch
Well Use	**Groundwater sampling**		

Decommissioning Data (Fill in all that apply)

Drilling Contractor	Parratt-Wolff
Overdrilling	
Interval Drilled	N/A
Drilling Method(s)	N/A
Borehole Dia. (in.)	N/A
Temporary Casing Installed? (Y/N)	N/A
Depth Temporary Casing Installed	N/A
Casing Type/Dia. (in.)	N/A
Method of Installing	N/A
Casing Pull	
Method Employed	Direct pull
Casing Retrieved (feet)	10.4
Casing Type/Dia (in.)	PCV - 2 inch
Casing Perforating	
Equipment Used	N/A
Number of Perforations Per Foot	N/A
Size of Perforations	N/A
Interval Perforated	N/A
Grouting	
Interval Grouted (ft. bgs.)	0-10 feet
# of Batches Prepared	N/A
For Each Batch Record:	
Quantity of Water (gal.)	N/A
Quantity of Cement (lbs.)	N/A
Cement Type	Portland Cement
Quantity of Bentonite (lbs.)	N/A
Quantity of Calcium Chloride (lbs.)	N/A
Volume of Grout Prepared (gal.)	N/A
Volume of Grout Used (gal.)	~2 gallons

Well Schematic*



Comments

* Sketch all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup etc.

Signature

Monitoring Well Decommissioning Form

ERM

ERM Personnel	George Hermance	**Project Name**	Leica - Cheektowaga
Date	5/6/2024	**Project Number**	0671863
Weather	56-59°F, sunny, WNW 13 mph	**Project Location**	203 Eggert Rd, Cheektowaga, NY 14215

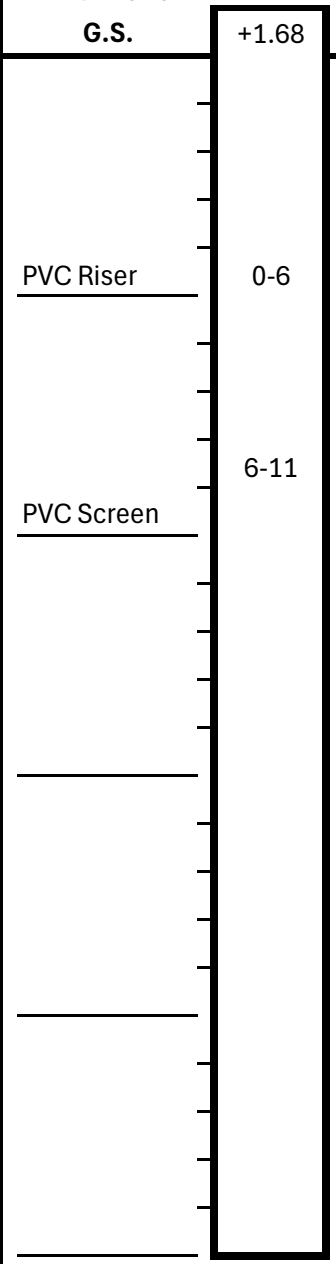
Well Information

Well ID	**TW-06**	**Well Depth**	12 feet
Bedrock (Y/N)	**N**	**Well Diameter**	2 inch
Well Use	**Groundwater sampling**		

Decommissioning Data (Fill in all that apply)

Drilling Contractor	Parratt-Wolff
Overdrilling	
Interval Drilled	N/A
Drilling Method(s)	N/A
Borehole Dia. (in.)	N/A
Temporary Casing Installed? (Y/N)	N/A
Depth Temporary Casing Installed	N/A
Casing Type/Dia. (in.)	N/A
Method of Installing	N/A
Casing Pull	
Method Employed	Direct pull
Casing Retrieved (feet)	13.68
Casing Type/Dia (in.)	PCV - 2 inch
Casing Perforating	
Equipment Used	N/A
Number of Perforations Per Foot	N/A
Size of Perforations	N/A
Interval Perforated	N/A
Grouting	
Interval Grouted (ft. bgs.)	0-12 feet
# of Batches Prepared	N/A
For Each Batch Record:	
Quantity of Water (gal.)	N/A
Quantity of Cement (lbs.)	N/A
Cement Type	Portland Cement
Quantity of Bentonite (lbs.)	N/A
Quantity of Calcium Chloride (lbs.)	N/A
Volume of Grout Prepared (gal.)	N/A
Volume of Grout Used (gal.)	~2 gallons

Well Schematic*



Comments

* Sketch all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup etc.

Signature

Monitoring Well Decommissioning Form

ERM

ERM Personnel	George Hermance	**Project Name**	Leica - Cheektowaga
Date	5/6/2024	**Project Number**	0671863
Weather	56-59°F, sunny, WNW 13 mph	**Project Location**	203 Eggert Rd, Cheektowaga, NY 14215

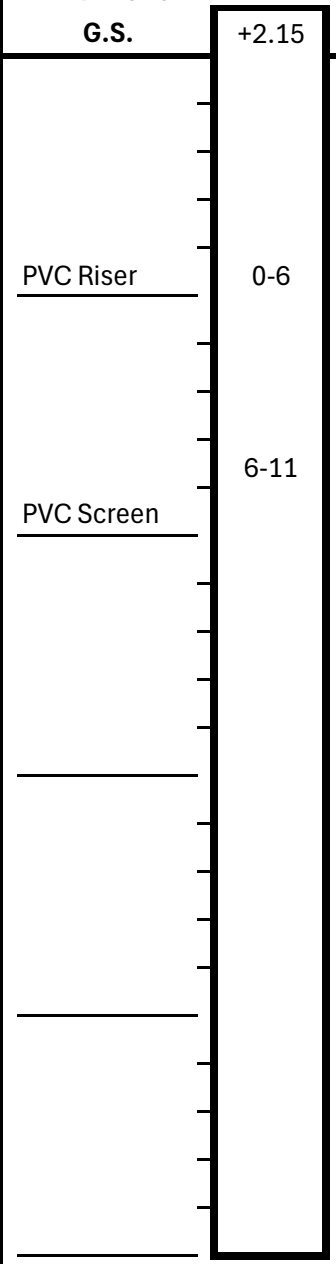
Well Information

Well ID	**TW-07**	**Well Depth**	11 feet
Bedrock (Y/N)	**N**	**Well Diameter**	2 inch
Well Use	**Groundwater sampling**		

Decommissioning Data (Fill in all that apply)

Drilling Contractor	Parratt-Wolff
Overdrilling	
Interval Drilled	N/A
Drilling Method(s)	N/A
Borehole Dia. (in.)	N/A
Temporary Casing Installed? (Y/N)	N/A
Depth Temporary Casing Installed	N/A
Casing Type/Dia. (in.)	N/A
Method of Installing	N/A
Casing Pull	
Method Employed	Direct pull
Casing Retrieved (feet)	13.15
Casing Type/Dia (in.)	PCV - 2 inch
Casing Perforating	
Equipment Used	N/A
Number of Perforations Per Foot	N/A
Size of Perforations	N/A
Interval Perforated	N/A
Grouting	
Interval Grouted (ft. bgs.)	0-11 feet
# of Batches Prepared	N/A
For Each Batch Record:	
Quantity of Water (gal.)	N/A
Quantity of Cement (lbs.)	N/A
Cement Type	Portland Cement
Quantity of Bentonite (lbs.)	N/A
Quantity of Calcium Chloride (lbs.)	N/A
Volume of Grout Prepared (gal.)	N/A
Volume of Grout Used (gal.)	~2 gallons

Well Schematic*



Comments

* Sketch all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup etc.

Signature

Monitoring Well Decommissioning Form

ERM Personnel	George Hermance	**Project Name**	Leica - Cheektowaga
Date	5/6/2024	**Project Number**	0671863
Weather	56-59°F, sunny, WNW 13 mph	**Project Location**	203 Eggert Rd, Cheektowaga, NY 14215

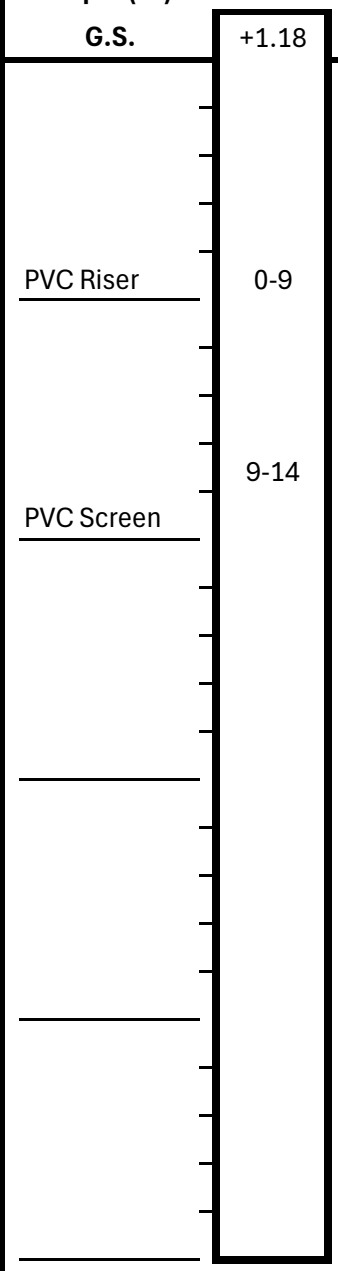
Well Information

Well ID	**TW-08**	**Well Depth**	15 feet
Bedrock (Y/N)	**N**	**Well Diameter**	2 inch
Well Use	**Groundwater sampling**		

Decommissioning Data (Fill in all that apply)

Drilling Contractor	Parratt-Wolff
Overdrilling	
Interval Drilled	N/A
Drilling Method(s)	N/A
Borehole Dia. (in.)	N/A
Temporary Casing Installed? (Y/N)	N/A
Depth Temporary Casing Installed	N/A
Casing Type/Dia. (in.)	N/A
Method of Installing	N/A
Casing Pull	
Method Employed	Direct pull
Casing Retrieved (feet)	16.18
Casing Type/Dia (in.)	PCV - 2 inch
Casing Perforating	
Equipment Used	N/A
Number of Perforations Per Foot	N/A
Size of Perforations	N/A
Interval Perforated	N/A
Grouting	
Interval Grouted (ft. bgs.)	0-15 feet
# of Batches Prepared	N/A
For Each Batch Record:	
Quantity of Water (gal.)	N/A
Quantity of Cement (lbs.)	N/A
Cement Type	Portland Cement
Quantity of Bentonite (lbs.)	N/A
Quantity of Calcium Chloride (lbs.)	N/A
Volume of Grout Prepared (gal.)	N/A
Volume of Grout Used (gal.)	~3 gallons

Well Schematic*



Comments

* Sketch all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup etc.

Signature

Monitoring Well Decommissioning Form

ERM

ERM Personnel	George Hermance	**Project Name**	Leica - Cheektowaga
Date	5/6/2024	**Project Number**	0671863
Weather	56-59°F, sunny, WNW 13 mph	**Project Location**	203 Eggert Rd, Cheektowaga, NY 14215

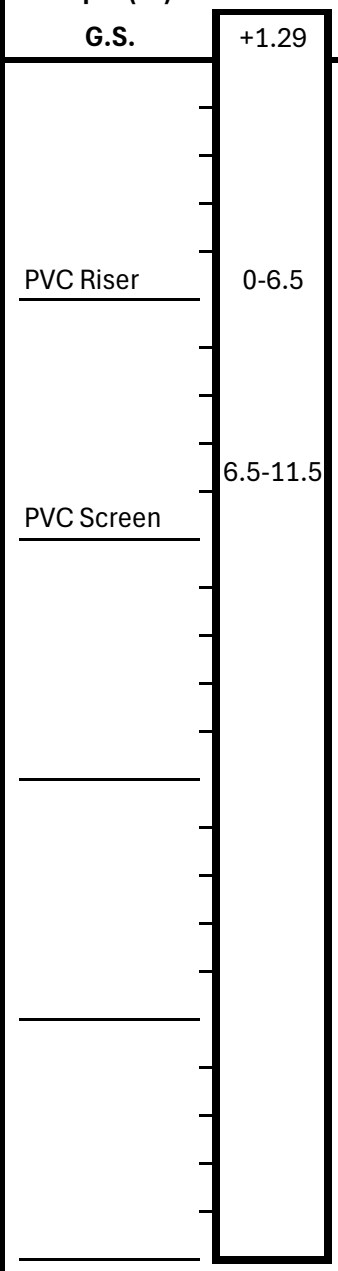
Well Information

Well ID	**TW-09**	**Well Depth**	12 feet
Bedrock (Y/N)	**N**	**Well Diameter**	2 inch
Well Use	**Groundwater sampling**		

Decommissioning Data (Fill in all that apply)

Drilling Contractor	Parratt-Wolff
Overdrilling	
Interval Drilled	N/A
Drilling Method(s)	N/A
Borehole Dia. (in.)	N/A
Temporary Casing Installed? (Y/N)	N/A
Depth Temporary Casing Installed	N/A
Casing Type/Dia. (in.)	N/A
Method of Installing	N/A
Casing Pull	
Method Employed	Direct pull
Casing Retrieved (feet)	13.29
Casing Type/Dia (in.)	PCV - 2 inch
Casing Perforating	
Equipment Used	N/A
Number of Perforations Per Foot	N/A
Size of Perforations	N/A
Interval Perforated	N/A
Grouting	
Interval Grouted (ft. bgs.)	0-12 feet
# of Batches Prepared	N/A
For Each Batch Record:	
Quantity of Water (gal.)	N/A
Quantity of Cement (lbs.)	N/A
Cement Type	Portland Cement
Quantity of Bentonite (lbs.)	N/A
Quantity of Calcium Chloride (lbs.)	N/A
Volume of Grout Prepared (gal.)	N/A
Volume of Grout Used (gal.)	~2 gallons

Well Schematic*



Comments	

* Sketch all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup etc.

Signature

Monitoring Well Decommissioning Form

ERM

ERM Personnel	George Hermance	**Project Name**	Leica - Cheektowaga
Date	5/6/2024	**Project Number**	0671863
Weather	56-59°F, sunny, WNW 13 mph	**Project Location**	203 Eggert Rd, Cheektowaga, NY 14215

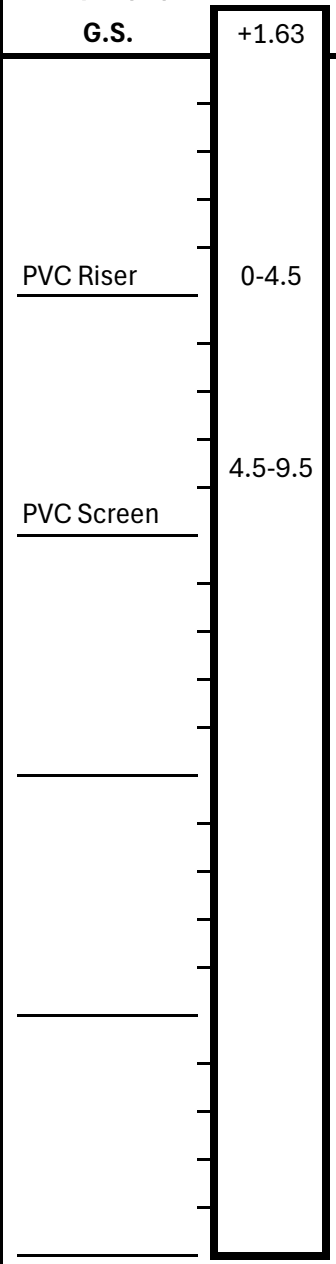
Well Information

Well ID	**TW-10**	**Well Depth**	12 feet
Bedrock (Y/N)	**N**	**Well Diameter**	2 inch
Well Use	**Groundwater sampling**		

Decommissioning Data (Fill in all that apply)

Drilling Contractor	Parratt-Wolff
Overdrilling	
Interval Drilled	N/A
Drilling Method(s)	N/A
Borehole Dia. (in.)	N/A
Temporary Casing Installed? (Y/N)	N/A
Depth Temporary Casing Installed	N/A
Casing Type/Dia. (in.)	N/A
Method of Installing	N/A
Casing Pull	
Method Employed	Direct pull
Casing Retrieved (feet)	13.63
Casing Type/Dia (in.)	PCV - 2 inch
Casing Perforating	
Equipment Used	N/A
Number of Perforations Per Foot	N/A
Size of Perforations	N/A
Interval Perforated	N/A
Grouting	
Interval Grouted (ft. bgs.)	0-12 feet
# of Batches Prepared	N/A
For Each Batch Record:	
Quantity of Water (gal.)	N/A
Quantity of Cement (lbs.)	N/A
Cement Type	Portland Cement
Quantity of Bentonite (lbs.)	N/A
Quantity of Calcium Chloride (lbs.)	N/A
Volume of Grout Prepared (gal.)	N/A
Volume of Grout Used (gal.)	~2 gallons

Well Schematic*



Comments

* Sketch all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup etc.

Signature

Monitoring Well Decommissioning Form

ERM

ERM Personnel	George Hermance	**Project Name**	Leica - Cheektowaga
Date	5/6/2024	**Project Number**	0671863
Weather	56-59°F, sunny, WNW 13 mph	**Project Location**	203 Eggert Rd, Cheektowaga, NY 14215

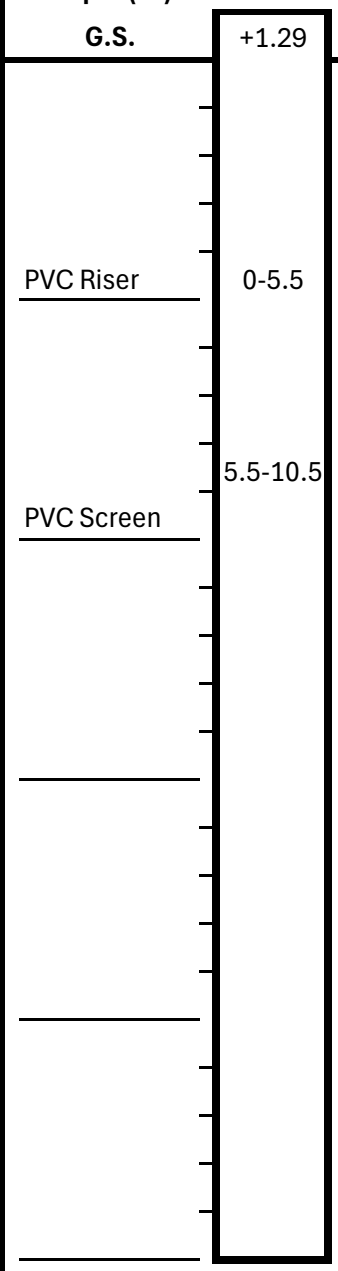
Well Information

Well ID	**TW-11**	**Well Depth**	12 feet
Bedrock (Y/N)	**N**	**Well Diameter**	2 inch
Well Use	**Groundwater sampling**		

Decommissioning Data (Fill in all that apply)

Drilling Contractor	Parratt-Wolff
Overdrilling	
Interval Drilled	N/A
Drilling Method(s)	N/A
Borehole Dia. (in.)	N/A
Temporary Casing Installed? (Y/N)	N/A
Depth Temporary Casing Installed	N/A
Casing Type/Dia. (in.)	N/A
Method of Installing	N/A
Casing Pull	
Method Employed	Direct pull
Casing Retrieved (feet)	13.29
Casing Type/Dia (in.)	PCV - 2 inch
Casing Perforating	
Equipment Used	N/A
Number of Perforations Per Foot	N/A
Size of Perforations	N/A
Interval Perforated	N/A
Grouting	
Interval Grouted (ft. bgs.)	0-12 feet
# of Batches Prepared	N/A
For Each Batch Record:	
Quantity of Water (gal.)	N/A
Quantity of Cement (lbs.)	N/A
Cement Type	Portland Cement
Quantity of Bentonite (lbs.)	N/A
Quantity of Calcium Chloride (lbs.)	N/A
Volume of Grout Prepared (gal.)	N/A
Volume of Grout Used (gal.)	~2 gallons

Well Schematic*



Comments

* Sketch all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup etc.

Signature

Monitoring Well Decommissioning Form

ERM

ERM Personnel	George Hermance	**Project Name**	Leica - Cheektowaga
Date	5/7/2024	**Project Number**	0671863
Weather	56-59°F, sunny, WNW 13 mph	**Project Location**	203 Eggert Rd, Cheektowaga, NY 14215

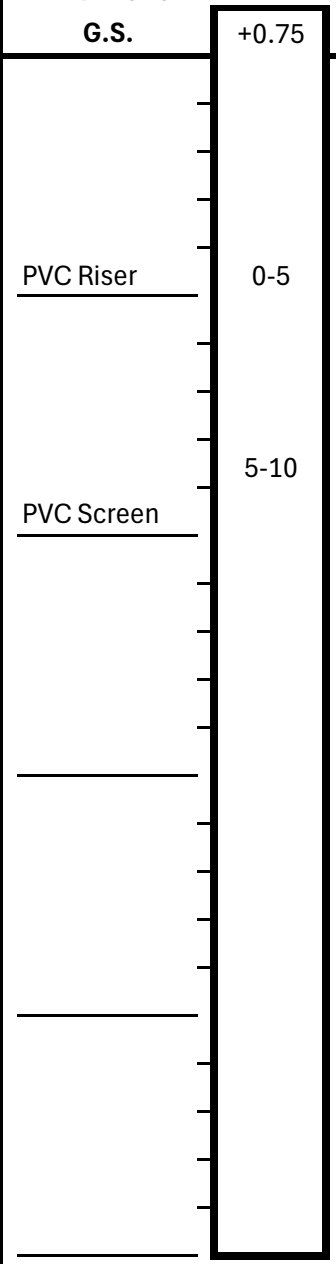
Well Information

Well ID	**TW-12**	**Well Depth**	11 feet
Bedrock (Y/N)	**N**	**Well Diameter**	2 inch
Well Use	**Groundwater sampling**		

Decommissioning Data (Fill in all that apply)

Drilling Contractor	Parratt-Wolff
Overdrilling	
Interval Drilled	N/A
Drilling Method(s)	N/A
Borehole Dia. (in.)	N/A
Temporary Casing Installed? (Y/N)	N/A
Depth Temporary Casing Installed	N/A
Casing Type/Dia. (in.)	N/A
Method of Installing	N/A
Casing Pull	
Method Employed	Direct pull
Casing Retrieved (feet)	11.75
Casing Type/Dia (in.)	PCV - 2 inch
Casing Perforating	
Equipment Used	N/A
Number of Perforations Per Foot	N/A
Size of Perforations	N/A
Interval Perforated	N/A
Grouting	
Interval Grouted (ft. bgs.)	0-11 feet
# of Batches Prepared	N/A
For Each Batch Record:	
Quantity of Water (gal.)	N/A
Quantity of Cement (lbs.)	N/A
Cement Type	Portland Cement
Quantity of Bentonite (lbs.)	N/A
Quantity of Calcium Chloride (lbs.)	N/A
Volume of Grout Prepared (gal.)	N/A
Volume of Grout Used (gal.)	~2 gallons

Well Schematic*



Comments

* Sketch all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup etc.

Signature

Monitoring Well Decommissioning Form

ERM

ERM Personnel	George Hermance	**Project Name**	Leica - Cheektowaga
Date	5/6/2024	**Project Number**	0671863
Weather	56-59°F, sunny, WNW 13 mph	**Project Location**	203 Eggert Rd, Cheektowaga, NY 14215

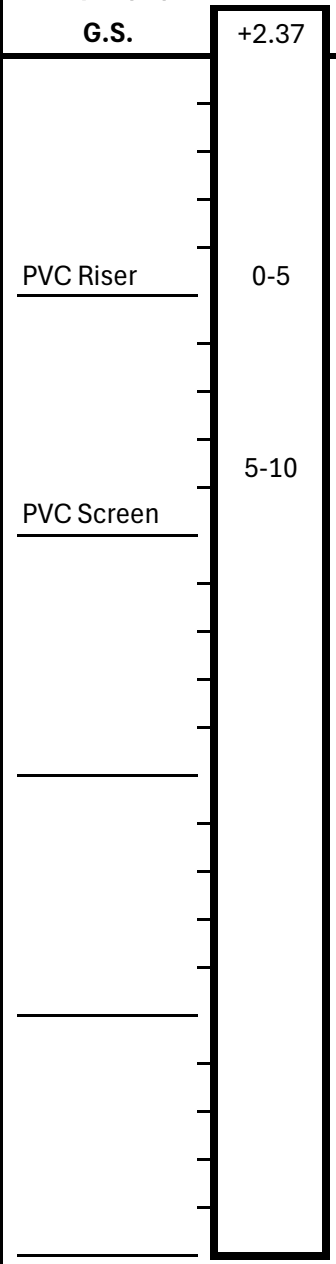
Well Information

Well ID	**TW-39**	**Well Depth**	11 feet
Bedrock (Y/N)	**N**	**Well Diameter**	1 inch
Well Use	**Groundwater sampling**		

Decommissioning Data (Fill in all that apply)

Drilling Contractor	Parratt-Wolff
Overdrilling	
Interval Drilled	N/A
Drilling Method(s)	N/A
Borehole Dia. (in.)	N/A
Temporary Casing Installed? (Y/N)	N/A
Depth Temporary Casing Installed	N/A
Casing Type/Dia. (in.)	N/A
Method of Installing	N/A
Casing Pull	
Method Employed	Direct pull
Casing Retrieved (feet)	13.37
Casing Type/Dia (in.)	PCV - 1 inch
Casing Perforating	
Equipment Used	N/A
Number of Perforations Per Foot	N/A
Size of Perforations	N/A
Interval Perforated	N/A
Grouting	
Interval Grouted (ft. bgs.)	0-11 feet
# of Batches Prepared	N/A
For Each Batch Record:	
Quantity of Water (gal.)	N/A
Quantity of Cement (lbs.)	N/A
Cement Type	Portland Cement
Quantity of Bentonite (lbs.)	N/A
Quantity of Calcium Chloride (lbs.)	N/A
Volume of Grout Prepared (gal.)	N/A
Volume of Grout Used (gal.)	~1 gallon

Well Schematic*



Comments

* Sketch all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup etc.

Signature

Monitoring Well Decommissioning Form

ERM Personnel	George Hermance	**Project Name**	Leica - Cheektowaga
Date	5/6/2024	**Project Number**	0671863
Weather	56-59°F, sunny, WNW 13 mph	**Project Location**	203 Eggert Rd, Cheektowaga, NY 14215

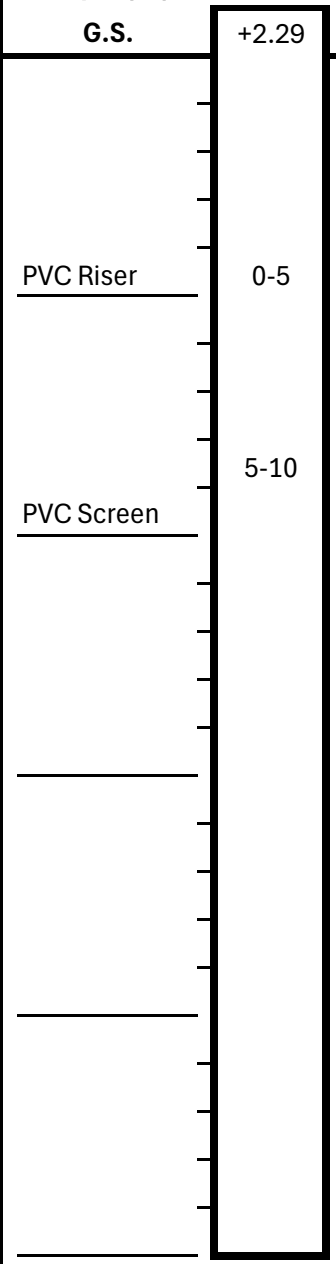
Well Information

Well ID	**TW-40**	**Well Depth**	11 feet
Bedrock (Y/N)	**N**	**Well Diameter**	1 inch
Well Use	**Groundwater sampling**		

Decommissioning Data (Fill in all that apply)

Drilling Contractor	Parratt-Wolff
Overdrilling	
Interval Drilled	N/A
Drilling Method(s)	N/A
Borehole Dia. (in.)	N/A
Temporary Casing Installed? (Y/N)	N/A
Depth Temporary Casing Installed	N/A
Casing Type/Dia. (in.)	N/A
Method of Installing	N/A
Casing Pull	
Method Employed	Direct pull
Casing Retrieved (feet)	13.29
Casing Type/Dia (in.)	PCV - 1 inch
Casing Perforating	
Equipment Used	N/A
Number of Perforations Per Foot	N/A
Size of Perforations	N/A
Interval Perforated	N/A
Grouting	
Interval Grouted (ft. bgs.)	0-11 feet
# of Batches Prepared	N/A
For Each Batch Record:	
Quantity of Water (gal.)	N/A
Quantity of Cement (lbs.)	N/A
Cement Type	Portland Cement
Quantity of Bentonite (lbs.)	N/A
Quantity of Calcium Chloride (lbs.)	N/A
Volume of Grout Prepared (gal.)	N/A
Volume of Grout Used (gal.)	~1 gallon

Well Schematic*



Comments	

* Sketch all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup etc.

Signature

Monitoring Well Decommissioning Form

ERM

ERM Personnel	George Hermance	**Project Name**	Leica - Cheektowaga
Date	5/7/2024	**Project Number**	0671863
Weather	56-59°F, sunny, WNW 13 mph	**Project Location**	203 Eggert Rd, Cheektowaga, NY 14215

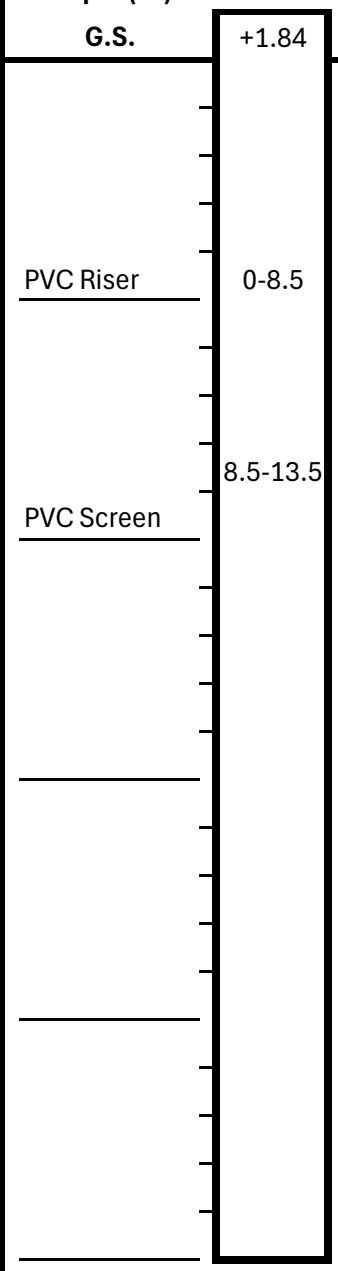
Well Information

Well ID	**TW-41**	**Well Depth**	15 feet
Bedrock (Y/N)	**N**	**Well Diameter**	1 inch
Well Use	**Groundwater sampling**		

Decommissioning Data (Fill in all that apply)

Drilling Contractor	Parratt-Wolff
Overdrilling	
Interval Drilled	N/A
Drilling Method(s)	N/A
Borehole Dia. (in.)	N/A
Temporary Casing Installed? (Y/N)	N/A
Depth Temporary Casing Installed	N/A
Casing Type/Dia. (in.)	N/A
Method of Installing	N/A
Casing Pull	
Method Employed	Direct pull
Casing Retrieved (feet)	16.84
Casing Type/Dia (in.)	PCV - 1 inch
Casing Perforating	
Equipment Used	N/A
Number of Perforations Per Foot	N/A
Size of Perforations	N/A
Interval Perforated	N/A
Grouting	
Interval Grouted (ft. bgs.)	0-15 feet
# of Batches Prepared	N/A
For Each Batch Record:	
Quantity of Water (gal.)	N/A
Quantity of Cement (lbs.)	N/A
Cement Type	Portland Cement
Quantity of Bentonite (lbs.)	N/A
Quantity of Calcium Chloride (lbs.)	N/A
Volume of Grout Prepared (gal.)	N/A
Volume of Grout Used (gal.)	~3 gallons

Well Schematic*



Comments	

* Sketch all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup etc.

Signature

Monitoring Well Decommissioning Form

ERM

ERM Personnel	George Hermance	**Project Name**	Leica - Cheektowaga
Date	5/6/2024	**Project Number**	0671863
Weather	56-59°F, sunny, WNW 13 mph	**Project Location**	203 Eggert Rd, Cheektowaga, NY 14215

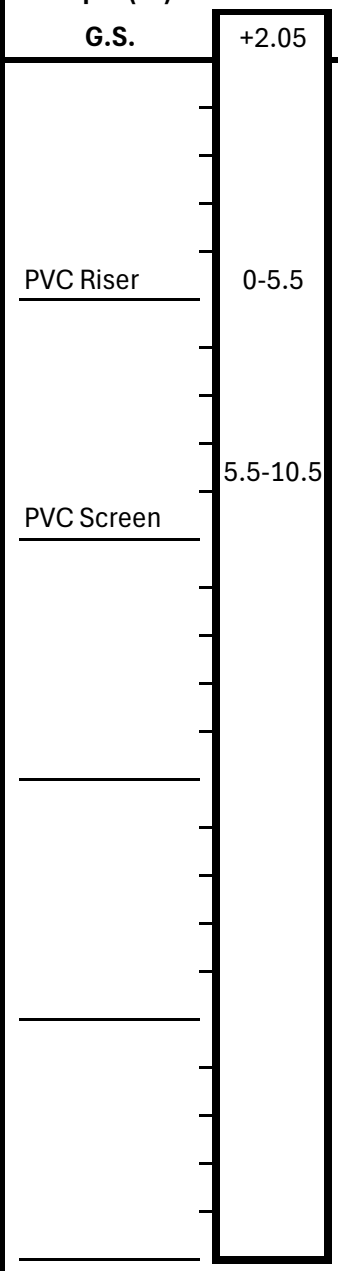
Well Information

Well ID	**TW-42**	**Well Depth**	12 feet
Bedrock (Y/N)	**N**	**Well Diameter**	1 inch
Well Use	**Groundwater sampling**		

Decommissioning Data (Fill in all that apply)

Drilling Contractor	Parratt-Wolff
Overdrilling	
Interval Drilled	N/A
Drilling Method(s)	N/A
Borehole Dia. (in.)	N/A
Temporary Casing Installed? (Y/N)	N/A
Depth Temporary Casing Installed	N/A
Casing Type/Dia. (in.)	N/A
Method of Installing	N/A
Casing Pull	
Method Employed	Direct pull
Casing Retrieved (feet)	14.05
Casing Type/Dia (in.)	PCV - 1 inch
Casing Perforating	
Equipment Used	N/A
Number of Perforations Per Foot	N/A
Size of Perforations	N/A
Interval Perforated	N/A
Grouting	
Interval Grouted (ft. bgs.)	0-12 feet
# of Batches Prepared	N/A
For Each Batch Record:	
Quantity of Water (gal.)	N/A
Quantity of Cement (lbs.)	N/A
Cement Type	Portland Cement
Quantity of Bentonite (lbs.)	N/A
Quantity of Calcium Chloride (lbs.)	N/A
Volume of Grout Prepared (gal.)	N/A
Volume of Grout Used (gal.)	~1 gallon

Well Schematic*



Comments

* Sketch all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup etc.

Signature

Monitoring Well Decommissioning Form

ERM

ERM Personnel	George Hermance	**Project Name**	Leica - Cheektowaga
Date	5/6/2024	**Project Number**	0671863
Weather	56-59°F, sunny, WNW 13 mph	**Project Location**	203 Eggert Rd, Cheektowaga, NY 14215

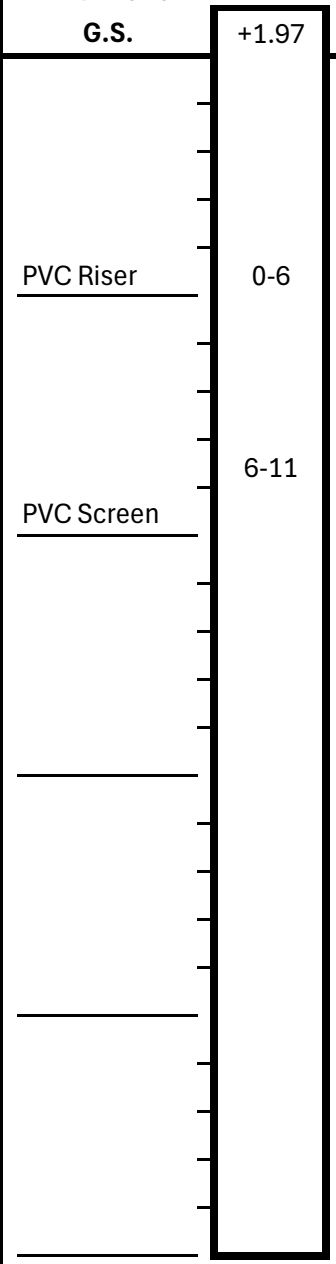
Well Information

Well ID	**TW-43**	**Well Depth**	12 feet
Bedrock (Y/N)	**N**	**Well Diameter**	1 inch
Well Use	**Groundwater sampling**		

Decommissioning Data (Fill in all that apply)

Drilling Contractor	Parratt-Wolff
Overdrilling	
Interval Drilled	N/A
Drilling Method(s)	N/A
Borehole Dia. (in.)	N/A
Temporary Casing Installed? (Y/N)	N/A
Depth Temporary Casing Installed	N/A
Casing Type/Dia. (in.)	N/A
Method of Installing	N/A
Casing Pull	
Method Employed	Direct pull
Casing Retrieved (feet)	13.97
Casing Type/Dia (in.)	PCV - 1 inch
Casing Perforating	
Equipment Used	N/A
Number of Perforations Per Foot	N/A
Size of Perforations	N/A
Interval Perforated	N/A
Grouting	
Interval Grouted (ft. bgs.)	0-12 feet
# of Batches Prepared	N/A
For Each Batch Record:	
Quantity of Water (gal.)	N/A
Quantity of Cement (lbs.)	N/A
Cement Type	Portland Cement
Quantity of Bentonite (lbs.)	N/A
Quantity of Calcium Chloride (lbs.)	N/A
Volume of Grout Prepared (gal.)	N/A
Volume of Grout Used (gal.)	~1 gallon

Well Schematic*



Comments

* Sketch all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup etc.

Signature

Monitoring Well Decommissioning Form

ERM

ERM Personnel	George Hermance	**Project Name**	Leica - Cheektowaga
Date	5/6/2024	**Project Number**	0671863
Weather	56-59°F, sunny, WNW 13 mph	**Project Location**	203 Eggert Rd, Cheektowaga, NY 14215

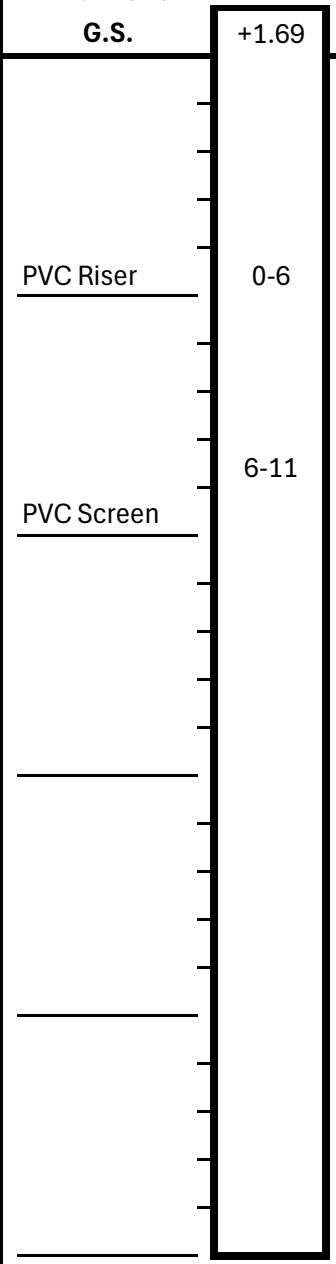
Well Information

Well ID	**TW-44**	**Well Depth**	13 feet
Bedrock (Y/N)	**N**	**Well Diameter**	1 inch
Well Use	**Groundwater sampling**		

Decommissioning Data (Fill in all that apply)

Drilling Contractor	Parratt-Wolff
Overdrilling	
Interval Drilled	N/A
Drilling Method(s)	N/A
Borehole Dia. (in.)	N/A
Temporary Casing Installed? (Y/N)	N/A
Depth Temporary Casing Installed	N/A
Casing Type/Dia. (in.)	N/A
Method of Installing	N/A
Casing Pull	
Method Employed	Direct pull
Casing Retrieved (feet)	14.69
Casing Type/Dia (in.)	PCV - 1 inch
Casing Perforating	
Equipment Used	N/A
Number of Perforations Per Foot	N/A
Size of Perforations	N/A
Interval Perforated	N/A
Grouting	
Interval Grouted (ft. bgs.)	0-13 feet
# of Batches Prepared	N/A
For Each Batch Record:	
Quantity of Water (gal.)	N/A
Quantity of Cement (lbs.)	N/A
Cement Type	Portland Cement
Quantity of Bentonite (lbs.)	N/A
Quantity of Calcium Chloride (lbs.)	N/A
Volume of Grout Prepared (gal.)	N/A
Volume of Grout Used (gal.)	~1 gallon

Well Schematic*



Comments	

* Sketch all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup etc.

Signature

Monitoring Well Decommissioning Form

ERM Personnel	George Hermance	**Project Name**	Leica - Cheektowaga
Date	5/6/2024	**Project Number**	0671863
Weather	56-59°F, sunny, WNW 13 mph	**Project Location**	203 Eggert Rd, Cheektowaga, NY 14215

Well Information

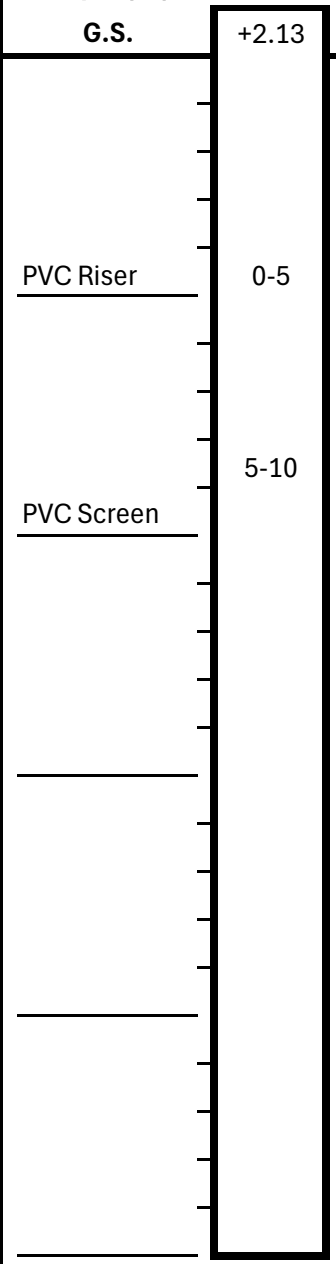
Well ID	**TW-45**	**Well Depth**	10 feet
Bedrock (Y/N)	**N**	**Well Diameter**	1 inch
Well Use	**Groundwater sampling**		

Decommissioning Data (Fill in all that apply)

Drilling Contractor	Parratt-Wolff

Overdrilling	
Interval Drilled	N/A
Drilling Method(s)	N/A
Borehole Dia. (in.)	N/A
Temporary Casing Installed? (Y/N)	N/A
Depth Temporary Casing Installed	N/A
Casing Type/Dia. (in.)	N/A
Method of Installing	N/A
Casing Pull	
Method Employed	Direct pull
Casing Retrieved (feet)	12.13
Casing Type/Dia (in.)	PCV - 1 inch
Casing Perforating	
Equipment Used	N/A
Number of Perforations Per Foot	N/A
Size of Perforations	N/A
Interval Perforated	N/A
Grouting	
Interval Grouted (ft. bgs.)	0-10 feet
# of Batches Prepared	N/A
For Each Batch Record:	
Quantity of Water (gal.)	N/A
Quantity of Cement (lbs.)	N/A
Cement Type	Portland Cement
Quantity of Bentonite (lbs.)	N/A
Quantity of Calcium Chloride (lbs.)	N/A
Volume of Grout Prepared (gal.)	N/A
Volume of Grout Used (gal.)	~1 gallon

Well Schematic*



Comments

* Sketch all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup etc.

Signature

Monitoring Well Decommissioning Form

ERM

ERM Personnel	George Hermance	**Project Name**	Leica - Cheektowaga
Date	5/6/2024	**Project Number**	0671863
Weather	56-59°F, sunny, WNW 13 mph	**Project Location**	203 Eggert Rd, Cheektowaga, NY 14215

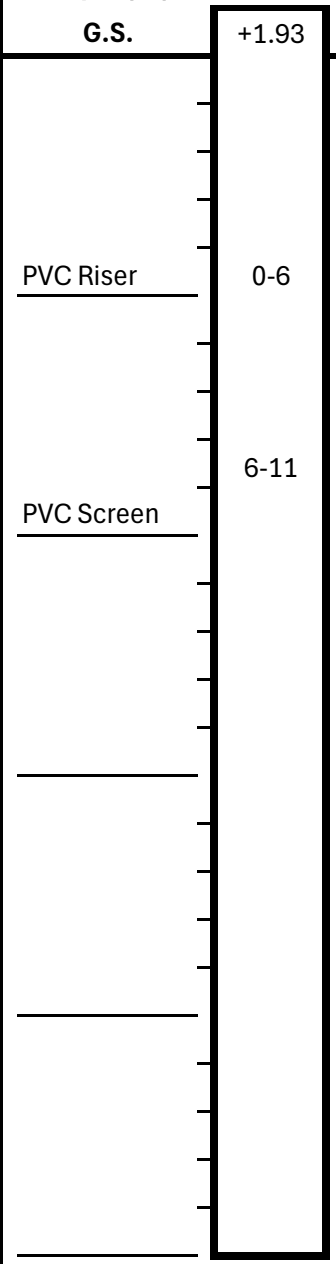
Well Information

Well ID	**TW-46**	**Well Depth**	13 feet
Bedrock (Y/N)	**N**	**Well Diameter**	1 inch
Well Use	**Groundwater sampling**		

Decommissioning Data (Fill in all that apply)

Drilling Contractor	Parratt-Wolff
Overdrilling	
Interval Drilled	N/A
Drilling Method(s)	N/A
Borehole Dia. (in.)	N/A
Temporary Casing Installed? (Y/N)	N/A
Depth Temporary Casing Installed	N/A
Casing Type/Dia. (in.)	N/A
Method of Installing	N/A
Casing Pull	
Method Employed	Direct pull
Casing Retrieved (feet)	14.93
Casing Type/Dia (in.)	PCV - 1 inch
Casing Perforating	
Equipment Used	N/A
Number of Perforations Per Foot	N/A
Size of Perforations	N/A
Interval Perforated	N/A
Grouting	
Interval Grouted (ft. bgs.)	0-13 feet
# of Batches Prepared	N/A
For Each Batch Record:	
Quantity of Water (gal.)	N/A
Quantity of Cement (lbs.)	N/A
Cement Type	Portland Cement
Quantity of Bentonite (lbs.)	N/A
Quantity of Calcium Chloride (lbs.)	N/A
Volume of Grout Prepared (gal.)	N/A
Volume of Grout Used (gal.)	~1 gallon

Well Schematic*



Comments

* Sketch all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup etc.

Signature

Monitoring Well Decommissioning Form

ERM Personnel	George Hermance	**Project Name**	Leica - Cheektowaga
Date	5/6/2024	**Project Number**	0671863
Weather	56-59°F, sunny, WNW 13 mph	**Project Location**	203 Eggert Rd, Cheektowaga, NY 14215

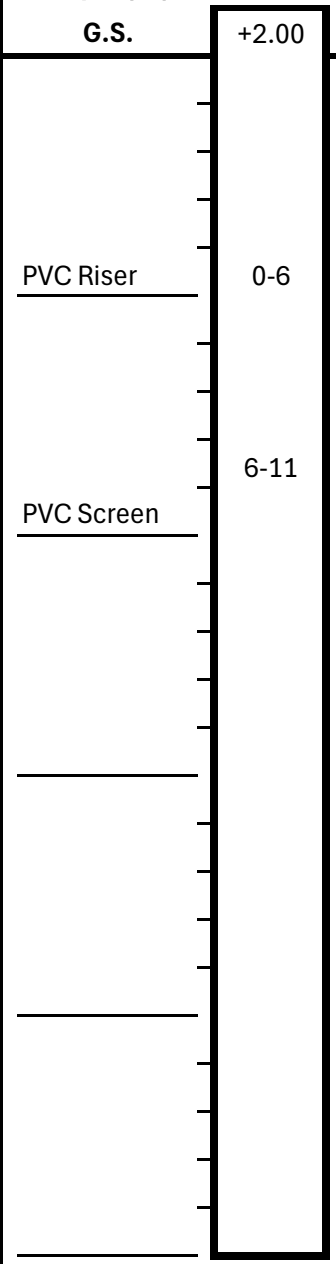
Well Information

Well ID	**TW-47**	**Well Depth**	12 feet
Bedrock (Y/N)	**N**	**Well Diameter**	1 inch
Well Use	**Groundwater sampling**		

Decommissioning Data (Fill in all that apply)

Drilling Contractor	Parratt-Wolff
Overdrilling	
Interval Drilled	N/A
Drilling Method(s)	N/A
Borehole Dia. (in.)	N/A
Temporary Casing Installed? (Y/N)	N/A
Depth Temporary Casing Installed	N/A
Casing Type/Dia. (in.)	N/A
Method of Installing	N/A
Casing Pull	
Method Employed	Direct pull
Casing Retrieved (feet)	14
Casing Type/Dia (in.)	PCV - 1 inch
Casing Perforating	
Equipment Used	N/A
Number of Perforations Per Foot	N/A
Size of Perforations	N/A
Interval Perforated	N/A
Grouting	
Interval Grouted (ft. bgs.)	0-12 feet
# of Batches Prepared	N/A
For Each Batch Record:	
Quantity of Water (gal.)	N/A
Quantity of Cement (lbs.)	N/A
Cement Type	Portland Cement
Quantity of Bentonite (lbs.)	N/A
Quantity of Calcium Chloride (lbs.)	N/A
Volume of Grout Prepared (gal.)	N/A
Volume of Grout Used (gal.)	~1 gallon

Well Schematic*



Comments	

* Sketch all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup etc.

Signature

Monitoring Well Decommissioning Form

ERM

ERM Personnel	George Hermance	**Project Name**	Leica - Cheektowaga
Date	5/6/2024	**Project Number**	0671863
Weather	56-59°F, sunny, WNW 13 mph	**Project Location**	203 Eggert Rd, Cheektowaga, NY 14215

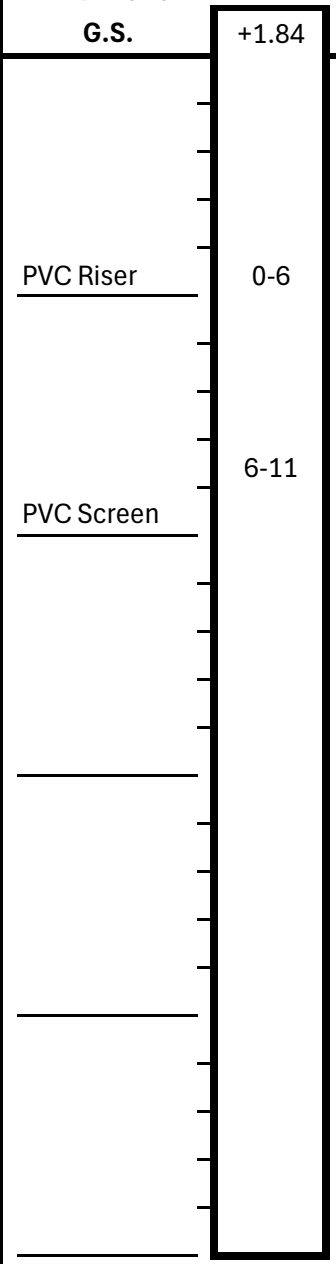
Well Information

Well ID	**TW-48**	**Well Depth**	11 feet
Bedrock (Y/N)	**N**	**Well Diameter**	1 inch
Well Use	**Groundwater sampling**		

Decommissioning Data (Fill in all that apply)

Drilling Contractor	Parratt-Wolff
Overdrilling	
Interval Drilled	N/A
Drilling Method(s)	N/A
Borehole Dia. (in.)	N/A
Temporary Casing Installed? (Y/N)	N/A
Depth Temporary Casing Installed	N/A
Casing Type/Dia. (in.)	N/A
Method of Installing	N/A
Casing Pull	
Method Employed	Direct pull
Casing Retrieved (feet)	12.84
Casing Type/Dia (in.)	PCV - 1 inch
Casing Perforating	
Equipment Used	N/A
Number of Perforations Per Foot	N/A
Size of Perforations	N/A
Interval Perforated	N/A
Grouting	
Interval Grouted (ft. bgs.)	0-11 feet
# of Batches Prepared	N/A
For Each Batch Record:	
Quantity of Water (gal.)	N/A
Quantity of Cement (lbs.)	N/A
Cement Type	Portland Cement
Quantity of Bentonite (lbs.)	N/A
Quantity of Calcium Chloride (lbs.)	N/A
Volume of Grout Prepared (gal.)	N/A
Volume of Grout Used (gal.)	~1 gallon

Well Schematic*



Comments

* Sketch all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup etc.

Signature

Monitoring Well Decommissioning Form

ERM

ERM Personnel	George Hermance	**Project Name**	Leica - Cheektowaga
Date	5/7/2024	**Project Number**	0671863
Weather	56-59°F, sunny, WNW 13 mph	**Project Location**	203 Eggert Rd, Cheektowaga, NY 14215

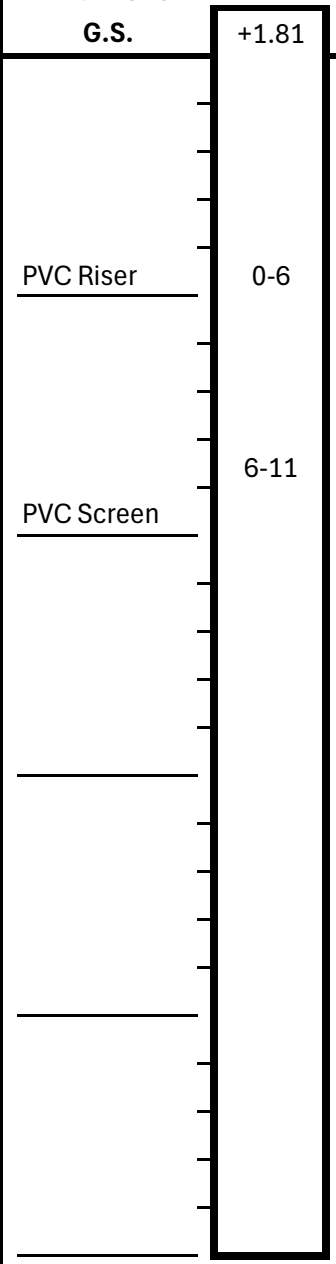
Well Information

Well ID	**TW-49**	**Well Depth**	11 feet
Bedrock (Y/N)	**N**	**Well Diameter**	1 inch
Well Use	**Groundwater sampling**		

Decommissioning Data (Fill in all that apply)

Drilling Contractor	Parratt-Wolff
Overdrilling	
Interval Drilled	N/A
Drilling Method(s)	N/A
Borehole Dia. (in.)	N/A
Temporary Casing Installed? (Y/N)	N/A
Depth Temporary Casing Installed	N/A
Casing Type/Dia. (in.)	N/A
Method of Installing	N/A
Casing Pull	
Method Employed	Direct pull
Casing Retrieved (feet)	12.81
Casing Type/Dia (in.)	PCV - 1 inch
Casing Perforating	
Equipment Used	N/A
Number of Perforations Per Foot	N/A
Size of Perforations	N/A
Interval Perforated	N/A
Grouting	
Interval Grouted (ft. bgs.)	0-11 feet
# of Batches Prepared	N/A
For Each Batch Record:	
Quantity of Water (gal.)	N/A
Quantity of Cement (lbs.)	N/A
Cement Type	Portland Cement
Quantity of Bentonite (lbs.)	N/A
Quantity of Calcium Chloride (lbs.)	N/A
Volume of Grout Prepared (gal.)	N/A
Volume of Grout Used (gal.)	~3 gallons

Well Schematic*



Comments

* Sketch all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup etc.

Signature

Monitoring Well Decommissioning Form

ERM

ERM Personnel	George Hermance	**Project Name**	Leica - Cheektowaga
Date	5/6/2024	**Project Number**	0671863
Weather	56-59°F, sunny, WNW 13 mph	**Project Location**	203 Eggert Rd, Cheektowaga, NY 14215

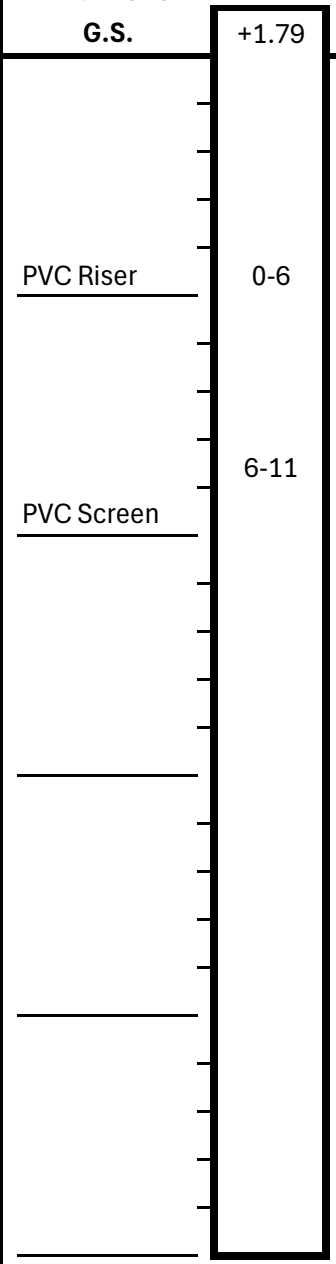
Well Information

Well ID	**TW-50**	**Well Depth**	11 feet
Bedrock (Y/N)	**N**	**Well Diameter**	1 inch
Well Use	**Groundwater sampling**		

Decommissioning Data (Fill in all that apply)

Drilling Contractor	Parratt-Wolff
Overdrilling	
Interval Drilled	N/A
Drilling Method(s)	N/A
Borehole Dia. (in.)	N/A
Temporary Casing Installed? (Y/N)	N/A
Depth Temporary Casing Installed	N/A
Casing Type/Dia. (in.)	N/A
Method of Installing	N/A
Casing Pull	
Method Employed	Direct pull
Casing Retrieved (feet)	12.79
Casing Type/Dia (in.)	PCV - 1 inch
Casing Perforating	
Equipment Used	N/A
Number of Perforations Per Foot	N/A
Size of Perforations	N/A
Interval Perforated	N/A
Grouting	
Interval Grouted (ft. bgs.)	0-11 feet
# of Batches Prepared	N/A
For Each Batch Record:	
Quantity of Water (gal.)	N/A
Quantity of Cement (lbs.)	N/A
Cement Type	Portland Cement
Quantity of Bentonite (lbs.)	N/A
Quantity of Calcium Chloride (lbs.)	N/A
Volume of Grout Prepared (gal.)	N/A
Volume of Grout Used (gal.)	~1 gallon

Well Schematic*



Comments

* Sketch all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup etc.

Signature

Monitoring Well Decommissioning Form

ERM

ERM Personnel	George Hermance	**Project Name**	Leica - Cheektowaga
Date	5/6/2024	**Project Number**	0671863
Weather	56-59°F, sunny, WNW 13 mph	**Project Location**	203 Eggert Rd, Cheektowaga, NY 14215

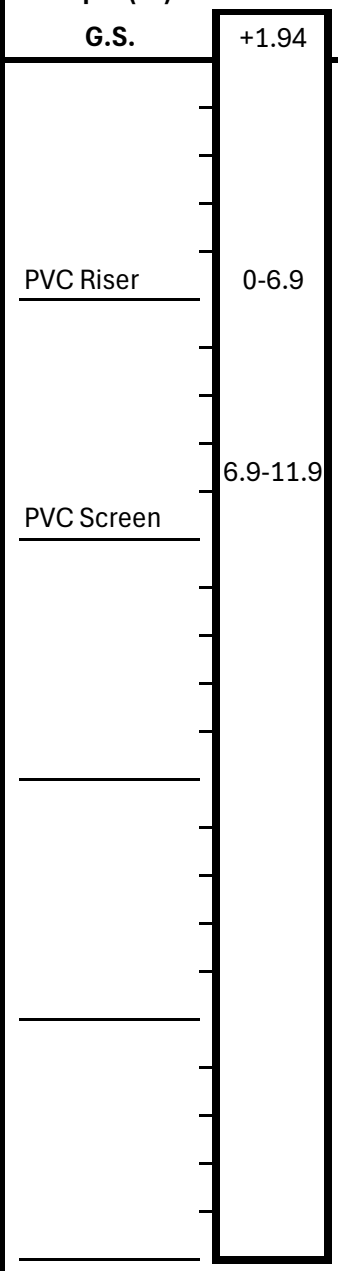
Well Information

Well ID	**TW-51**	**Well Depth**	11 feet
Bedrock (Y/N)	**N**	**Well Diameter**	1 inch
Well Use	**Groundwater sampling**		

Decommissioning Data (Fill in all that apply)

Drilling Contractor	Parratt-Wolff
Overdrilling	
Interval Drilled	N/A
Drilling Method(s)	N/A
Borehole Dia. (in.)	N/A
Temporary Casing Installed? (Y/N)	N/A
Depth Temporary Casing Installed	N/A
Casing Type/Dia. (in.)	N/A
Method of Installing	N/A
Casing Pull	
Method Employed	Direct pull
Casing Retrieved (feet)	12.94
Casing Type/Dia (in.)	PCV - 1 inch
Casing Perforating	
Equipment Used	N/A
Number of Perforations Per Foot	N/A
Size of Perforations	N/A
Interval Perforated	N/A
Grouting	
Interval Grouted (ft. bgs.)	0-11 feet
# of Batches Prepared	N/A
For Each Batch Record:	
Quantity of Water (gal.)	N/A
Quantity of Cement (lbs.)	N/A
Cement Type	Portland Cement
Quantity of Bentonite (lbs.)	N/A
Quantity of Calcium Chloride (lbs.)	N/A
Volume of Grout Prepared (gal.)	N/A
Volume of Grout Used (gal.)	~1 gallon

Well Schematic*



Comments	

* Sketch all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup etc.

Signature

Monitoring Well Decommissioning Form

ERM

ERM Personnel	George Hermance	**Project Name**	Leica - Cheektowaga
Date	5/6/2024	**Project Number**	0671863
Weather	56-59°F, sunny, WNW 13 mph	**Project Location**	203 Eggert Rd, Cheektowaga, NY 14215

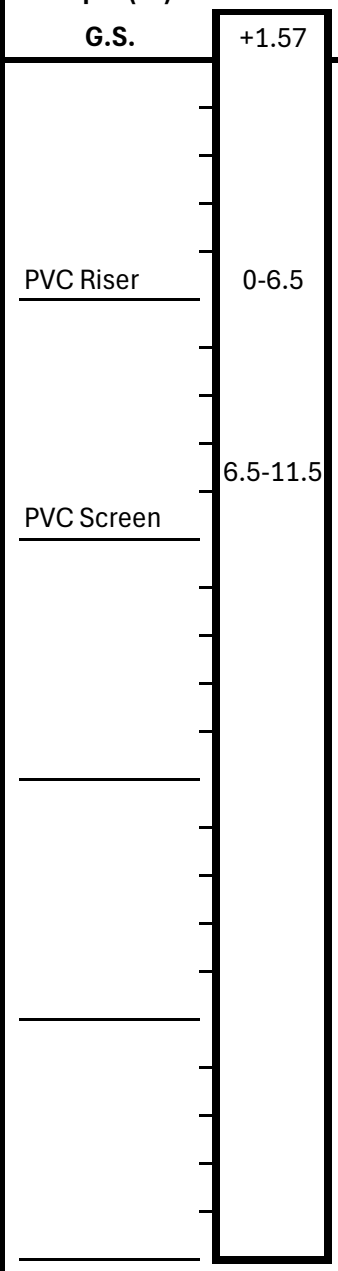
Well Information

Well ID	**TW-52**	**Well Depth**	12.6 feet
Bedrock (Y/N)	**N**	**Well Diameter**	1 inch
Well Use	**Groundwater sampling**		

Decommissioning Data (Fill in all that apply)

Drilling Contractor	Parratt-Wolff
Overdrilling	
Interval Drilled	N/A
Drilling Method(s)	N/A
Borehole Dia. (in.)	N/A
Temporary Casing Installed? (Y/N)	N/A
Depth Temporary Casing Installed	N/A
Casing Type/Dia. (in.)	N/A
Method of Installing	N/A
Casing Pull	
Method Employed	Direct pull
Casing Retrieved (feet)	14.17
Casing Type/Dia (in.)	PCV - 1 inch
Casing Perforating	
Equipment Used	N/A
Number of Perforations Per Foot	N/A
Size of Perforations	N/A
Interval Perforated	N/A
Grouting	
Interval Grouted (ft. bgs.)	0-12.6 feet
# of Batches Prepared	N/A
For Each Batch Record:	
Quantity of Water (gal.)	N/A
Quantity of Cement (lbs.)	N/A
Cement Type	Portland Cement
Quantity of Bentonite (lbs.)	N/A
Quantity of Calcium Chloride (lbs.)	N/A
Volume of Grout Prepared (gal.)	N/A
Volume of Grout Used (gal.)	~1 gallon

Well Schematic*



Comments	

* Sketch all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup etc.

Signature

Monitoring Well Decommissioning Form

ERM

ERM Personnel	George Hermance	**Project Name**	Leica - Cheektowaga
Date	5/6/2024	**Project Number**	0671863
Weather	56-59°F, sunny, WNW 13 mph	**Project Location**	203 Eggert Rd, Cheektowaga, NY 14215

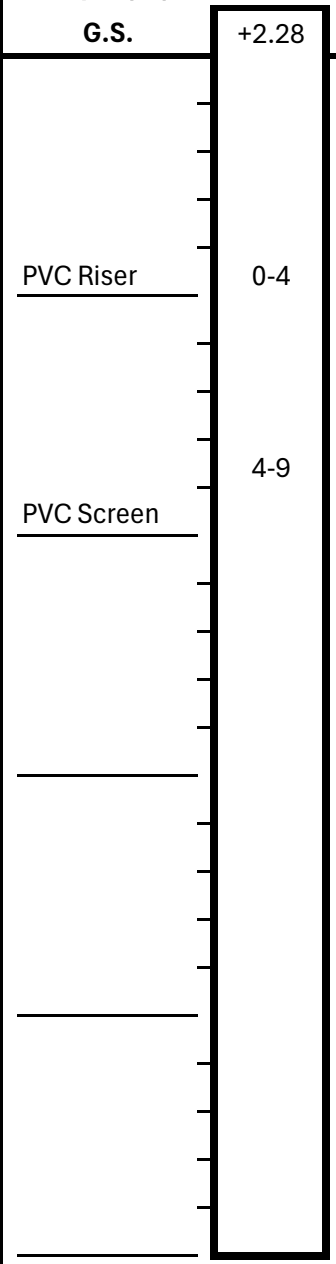
Well Information

Well ID	**TW-53**	**Well Depth**	11.5 feet
Bedrock (Y/N)	**N**	**Well Diameter**	1 inch
Well Use	**Groundwater sampling**		

Decommissioning Data (Fill in all that apply)

Drilling Contractor	Parratt-Wolff
Overdrilling	
Interval Drilled	N/A
Drilling Method(s)	N/A
Borehole Dia. (in.)	N/A
Temporary Casing Installed? (Y/N)	N/A
Depth Temporary Casing Installed	N/A
Casing Type/Dia. (in.)	N/A
Method of Installing	N/A
Casing Pull	
Method Employed	Direct pull
Casing Retrieved (feet)	13.78
Casing Type/Dia (in.)	PCV - 1 inch
Casing Perforating	
Equipment Used	N/A
Number of Perforations Per Foot	N/A
Size of Perforations	N/A
Interval Perforated	N/A
Grouting	
Interval Grouted (ft. bgs.)	0-11.5 feet
# of Batches Prepared	N/A
For Each Batch Record:	
Quantity of Water (gal.)	N/A
Quantity of Cement (lbs.)	N/A
Cement Type	Portland Cement
Quantity of Bentonite (lbs.)	N/A
Quantity of Calcium Chloride (lbs.)	N/A
Volume of Grout Prepared (gal.)	N/A
Volume of Grout Used (gal.)	~1 gallon

Well Schematic*



Comments

* Sketch all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup etc.

Signature

Monitoring Well Decommissioning Form

ERM

ERM Personnel	George Hermance	**Project Name**	Leica - Cheektowaga
Date	5/6/2024	**Project Number**	0671863
Weather	56-59°F, sunny, WNW 13 mph	**Project Location**	203 Eggert Rd, Cheektowaga, NY 14215

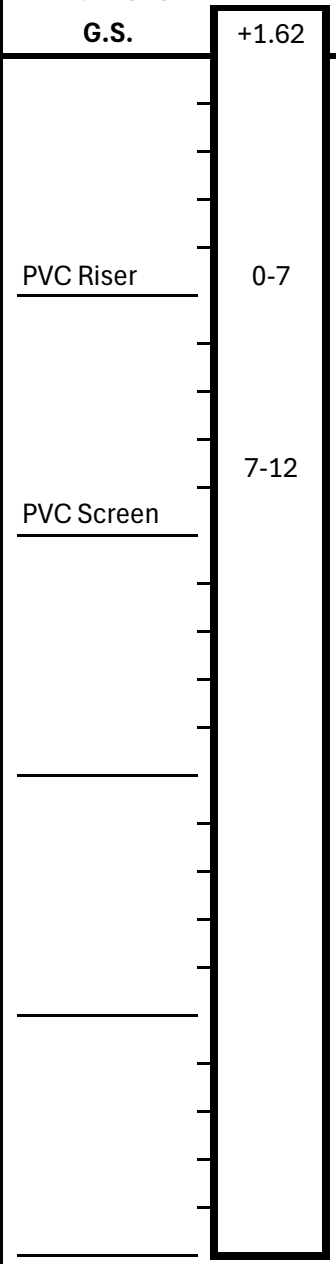
Well Information

Well ID	**TW-54**	**Well Depth**	11 feet
Bedrock (Y/N)	**N**	**Well Diameter**	1 inch
Well Use	**Groundwater sampling**		

Decommissioning Data (Fill in all that apply)

Drilling Contractor	Parratt-Wolff
Overdrilling	
Interval Drilled	N/A
Drilling Method(s)	N/A
Borehole Dia. (in.)	N/A
Temporary Casing Installed? (Y/N)	N/A
Depth Temporary Casing Installed	N/A
Casing Type/Dia. (in.)	N/A
Method of Installing	N/A
Casing Pull	
Method Employed	Direct pull
Casing Retrieved (feet)	12.62
Casing Type/Dia (in.)	PCV - 1 inch
Casing Perforating	
Equipment Used	N/A
Number of Perforations Per Foot	N/A
Size of Perforations	N/A
Interval Perforated	N/A
Grouting	
Interval Grouted (ft. bgs.)	0-11 feet
# of Batches Prepared	N/A
For Each Batch Record:	
Quantity of Water (gal.)	N/A
Quantity of Cement (lbs.)	N/A
Cement Type	Portland Cement
Quantity of Bentonite (lbs.)	N/A
Quantity of Calcium Chloride (lbs.)	N/A
Volume of Grout Prepared (gal.)	N/A
Volume of Grout Used (gal.)	~1 gallon

Well Schematic*



Comments

* Sketch all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup etc.

Signature

Monitoring Well Decommissioning Form

ERM

ERM Personnel	George Hermance	**Project Name**	Leica - Cheektowaga
Date	5/6/2024	**Project Number**	0671863
Weather	56-59°F, sunny, WNW 13 mph	**Project Location**	203 Eggert Rd, Cheektowaga, NY 14215

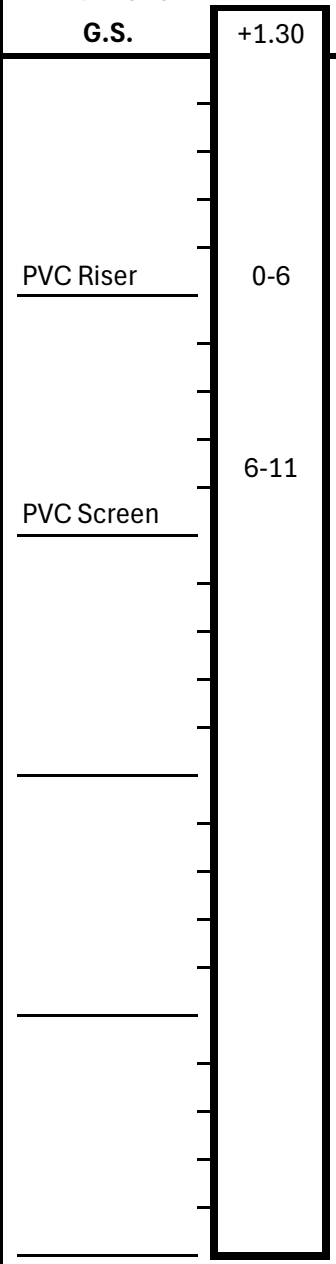
Well Information

Well ID	**TW-55**	**Well Depth**	11 feet
Bedrock (Y/N)	**N**	**Well Diameter**	1 inch
Well Use	**Groundwater sampling**		

Decommissioning Data (Fill in all that apply)

Drilling Contractor	Parratt-Wolff
Overdrilling	
Interval Drilled	N/A
Drilling Method(s)	N/A
Borehole Dia. (in.)	N/A
Temporary Casing Installed? (Y/N)	N/A
Depth Temporary Casing Installed	N/A
Casing Type/Dia. (in.)	N/A
Method of Installing	N/A
Casing Pull	
Method Employed	Direct pull
Casing Retrieved (feet)	12.3
Casing Type/Dia (in.)	PCV - 1 inch
Casing Perforating	
Equipment Used	N/A
Number of Perforations Per Foot	N/A
Size of Perforations	N/A
Interval Perforated	N/A
Grouting	
Interval Grouted (ft. bgs.)	0-11 feet
# of Batches Prepared	N/A
For Each Batch Record:	
Quantity of Water (gal.)	N/A
Quantity of Cement (lbs.)	N/A
Cement Type	Portland Cement
Quantity of Bentonite (lbs.)	N/A
Quantity of Calcium Chloride (lbs.)	N/A
Volume of Grout Prepared (gal.)	N/A
Volume of Grout Used (gal.)	~1 gallon

Well Schematic*



Comments

* Sketch all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup etc.

Signature

Monitoring Well Decommissioning Form

ERM

ERM Personnel	George Hermance	**Project Name**	Leica - Cheektowaga
Date	5/7/2024	**Project Number**	0671863
Weather	56-59°F, sunny, WNW 13 mph	**Project Location**	203 Eggert Rd, Cheektowaga, NY 14215

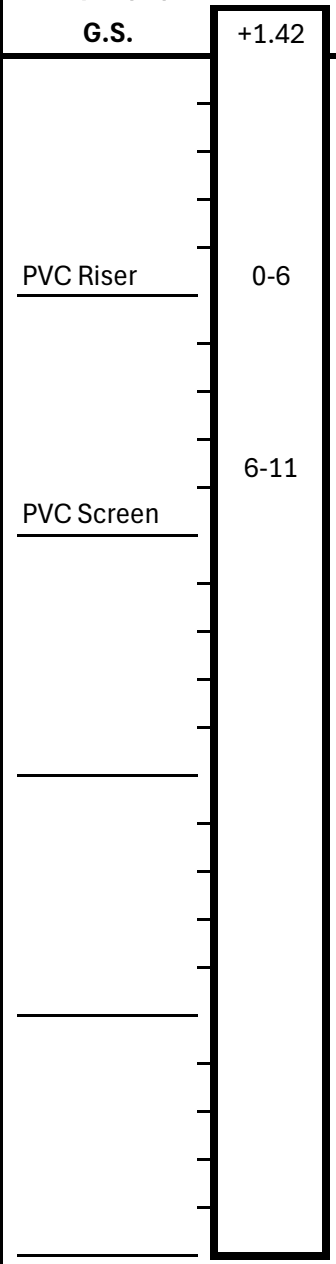
Well Information

Well ID	**TW-56**	**Well Depth**	10 feet
Bedrock (Y/N)	**N**	**Well Diameter**	1 inch
Well Use	**Groundwater sampling**		

Decommissioning Data (Fill in all that apply)

Drilling Contractor	Parratt-Wolff
Overdrilling	
Interval Drilled	N/A
Drilling Method(s)	N/A
Borehole Dia. (in.)	N/A
Temporary Casing Installed? (Y/N)	N/A
Depth Temporary Casing Installed	N/A
Casing Type/Dia. (in.)	N/A
Method of Installing	N/A
Casing Pull	
Method Employed	Direct pull
Casing Retrieved (feet)	11.42
Casing Type/Dia (in.)	PCV - 1 inch
Casing Perforating	
Equipment Used	N/A
Number of Perforations Per Foot	N/A
Size of Perforations	N/A
Interval Perforated	N/A
Grouting	
Interval Grouted (ft. bgs.)	0-10 feet
# of Batches Prepared	N/A
For Each Batch Record:	
Quantity of Water (gal.)	N/A
Quantity of Cement (lbs.)	N/A
Cement Type	Portland Cement
Quantity of Bentonite (lbs.)	N/A
Quantity of Calcium Chloride (lbs.)	N/A
Volume of Grout Prepared (gal.)	N/A
Volume of Grout Used (gal.)	~2 gallons

Well Schematic*



Comments

* Sketch all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup etc.

Signature

Monitoring Well Decommissioning Form

ERM

ERM Personnel	George Hermance	**Project Name**	Leica - Cheektowaga
Date	5/6/2024	**Project Number**	0671863
Weather	56-59°F, sunny, WNW 13 mph	**Project Location**	203 Eggert Rd, Cheektowaga, NY 14215

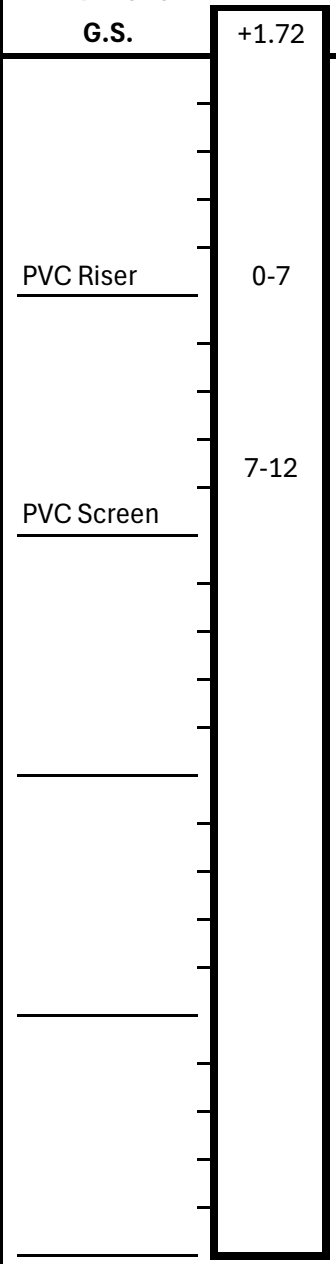
Well Information

Well ID	**TW-57**	**Well Depth**	12 feet
Bedrock (Y/N)	**N**	**Well Diameter**	1 inch
Well Use	**Groundwater sampling**		

Decommissioning Data (Fill in all that apply)

Drilling Contractor	Parratt-Wolff
Overdrilling	
Interval Drilled	N/A
Drilling Method(s)	N/A
Borehole Dia. (in.)	N/A
Temporary Casing Installed? (Y/N)	N/A
Depth Temporary Casing Installed	N/A
Casing Type/Dia. (in.)	N/A
Method of Installing	N/A
Casing Pull	
Method Employed	Direct pull
Casing Retrieved (feet)	13.72
Casing Type/Dia (in.)	PCV - 1 inch
Casing Perforating	
Equipment Used	N/A
Number of Perforations Per Foot	N/A
Size of Perforations	N/A
Interval Perforated	N/A
Grouting	
Interval Grouted (ft. bgs.)	0-12 feet
# of Batches Prepared	N/A
For Each Batch Record:	
Quantity of Water (gal.)	N/A
Quantity of Cement (lbs.)	N/A
Cement Type	Portland Cement
Quantity of Bentonite (lbs.)	N/A
Quantity of Calcium Chloride (lbs.)	N/A
Volume of Grout Prepared (gal.)	N/A
Volume of Grout Used (gal.)	~2 gallons

Well Schematic*



Comments

* Sketch all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup etc.

Signature

Monitoring Well Decommissioning Form

ERM

ERM Personnel	George Hermance	**Project Name**	Leica - Cheektowaga
Date	5/6/2024	**Project Number**	0671863
Weather	56-59°F, sunny, WNW 13 mph	**Project Location**	203 Eggert Rd, Cheektowaga, NY 14215

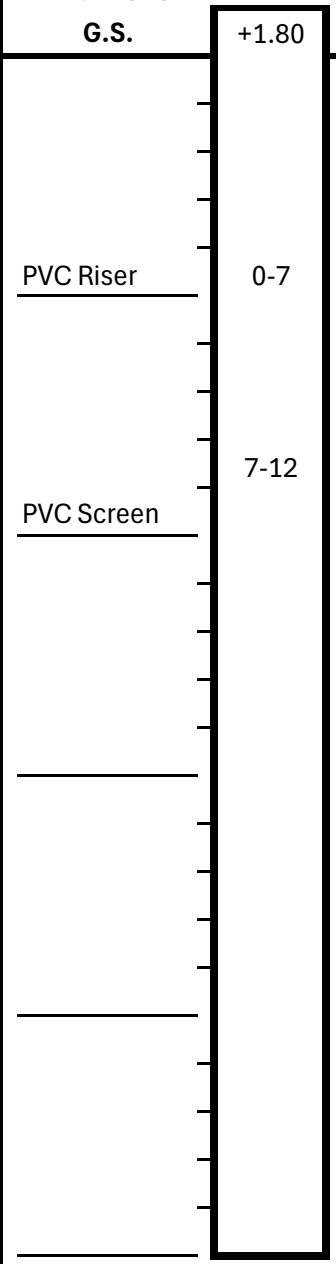
Well Information

Well ID	**TW-58**	**Well Depth**	12 feet
Bedrock (Y/N)	**N**	**Well Diameter**	1 inch
Well Use	**Groundwater sampling**		

Decommissioning Data (Fill in all that apply)

Drilling Contractor	Parratt-Wolff
Overdrilling	
Interval Drilled	N/A
Drilling Method(s)	N/A
Borehole Dia. (in.)	N/A
Temporary Casing Installed? (Y/N)	N/A
Depth Temporary Casing Installed	N/A
Casing Type/Dia. (in.)	N/A
Method of Installing	N/A
Casing Pull	
Method Employed	Direct pull
Casing Retrieved (feet)	13.8
Casing Type/Dia (in.)	PCV - 1 inch
Casing Perforating	
Equipment Used	N/A
Number of Perforations Per Foot	N/A
Size of Perforations	N/A
Interval Perforated	N/A
Grouting	
Interval Grouted (ft. bgs.)	0-12 feet
# of Batches Prepared	N/A
For Each Batch Record:	
Quantity of Water (gal.)	N/A
Quantity of Cement (lbs.)	N/A
Cement Type	Portland Cement
Quantity of Bentonite (lbs.)	N/A
Quantity of Calcium Chloride (lbs.)	N/A
Volume of Grout Prepared (gal.)	N/A
Volume of Grout Used (gal.)	~1 gallon

Well Schematic*



Comments

* Sketch all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup etc.

Signature

Monitoring Well Decommissioning Form

ERM

ERM Personnel	George Hermance	**Project Name**	Leica - Cheektowaga
Date	5/7/2024 - 5/8/2024	**Project Number**	0671863
Weather	56-59°F, sunny, WNW 13 mph	**Project Location**	203 Eggert Rd, Cheektowaga, NY 14215

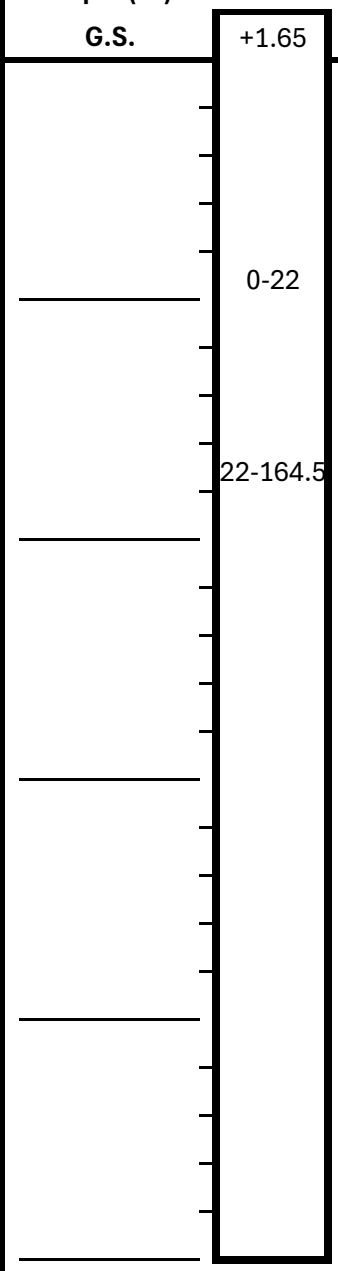
Well Information

Well ID	**MW-100**	**Well Depth**	164.5 feet
Bedrock (Y/N)	**N**	**Well Diameter**	4 inch
Well Use	**Groundwater sampling**		

Decommissioning Data (Fill in all that apply)

Drilling Contractor	Parratt-Wolff
Overdrilling	
Interval Drilled	N/A
Drilling Method(s)	Tremie method
Borehole Dia. (in.)	N/A
Temporary Casing Installed? (Y/N)	Y
Depth Temporary Casing Installed	0-160 feet
Casing Type/Dia. (in.)	N/A
Method of Installing	N/A
Casing Pull	
Method Employed	Direct pull
Casing Retrieved (feet)	166.15
Casing Type/Dia (in.)	Steel - 4 inch
Casing Perforating	
Equipment Used	N/A
Number of Perforations Per Foot	N/A
Size of Perforations	N/A
Interval Perforated	N/A
Grouting	
Interval Grouted (ft. bgs.)	0-164.5 feet
# of Batches Prepared	3
For Each Batch Record:	
Quantity of Water (gal.)	110
Quantity of Cement (lbs.)	16 bags
Cement Type	Portland Cement
Quantity of Bentonite (lbs.)	2 bags
Quantity of Calcium Chloride (lbs.)	N/A
Volume of Grout Prepared (gal.)	N/A
Volume of Grout Used (gal.)	~110 gallons

Well Schematic*



Comments

* Sketch all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup etc.

Signature

Monitoring Well Decommissioning Form

ERM

ERM Personnel	George Hermance	**Project Name**	Leica - Cheektowaga
Date	5/7/2024	**Project Number**	0671863
Weather	56-59°F, sunny, WNW 13 mph	**Project Location**	203 Eggert Rd, Cheektowaga, NY 14215

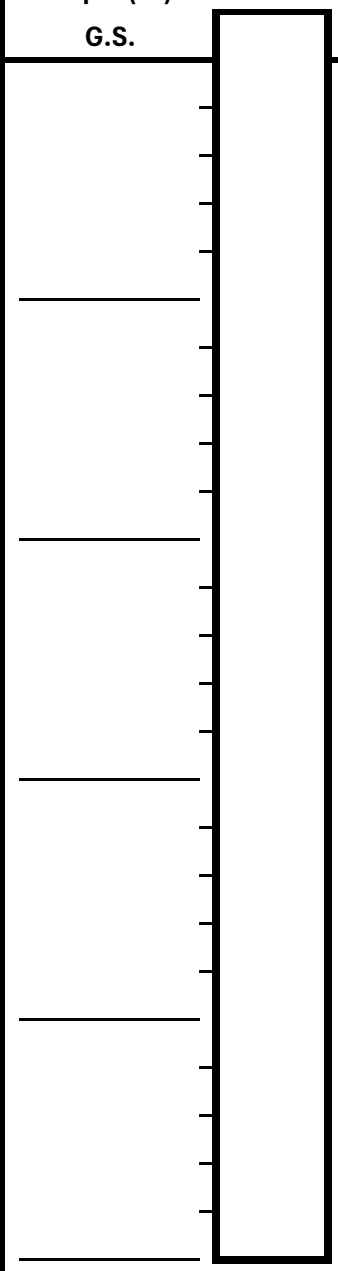
Well Information

Well ID	**PZ-4**	**Well Depth**	4 feet
Bedrock (Y/N)	**N**	**Well Diameter**	1 inch
Well Use			

Decommissioning Data (Fill in all that apply)

Drilling Contractor	Parratt-Wolff
Overdrilling	
Interval Drilled	N/A
Drilling Method(s)	N/A
Borehole Dia. (in.)	N/A
Temporary Casing Installed? (Y/N)	N/A
Depth Temporary Casing Installed	N/A
Casing Type/Dia. (in.)	N/A
Method of Installing	N/A
Casing Pull	
Method Employed	Direct pull
Casing Retrieved (feet)	4
Casing Type/Dia (in.)	PCV - 1 inch
Casing Perforating	
Equipment Used	N/A
Number of Perforations Per Foot	N/A
Size of Perforations	N/A
Interval Perforated	N/A
Grouting	
Interval Grouted (ft. bgs.)	0-4 feet
# of Batches Prepared	N/A
For Each Batch Record:	
Quantity of Water (gal.)	N/A
Quantity of Cement (lbs.)	N/A
Cement Type	Portland Cement
Quantity of Bentonite (lbs.)	N/A
Quantity of Calcium Chloride (lbs.)	N/A
Volume of Grout Prepared (gal.)	N/A
Volume of Grout Used (gal.)	~1 gallon

Well Schematic*



Comments	

* Sketch all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup etc.

Signature

Monitoring Well Decommissioning Form

ERM

ERM Personnel	George Hermance	**Project Name**	Leica - Cheektowaga
Date	5/7/2024	**Project Number**	0671863
Weather	56-59°F, sunny, WNW 13 mph	**Project Location**	203 Eggert Rd, Cheektowaga, NY 14215

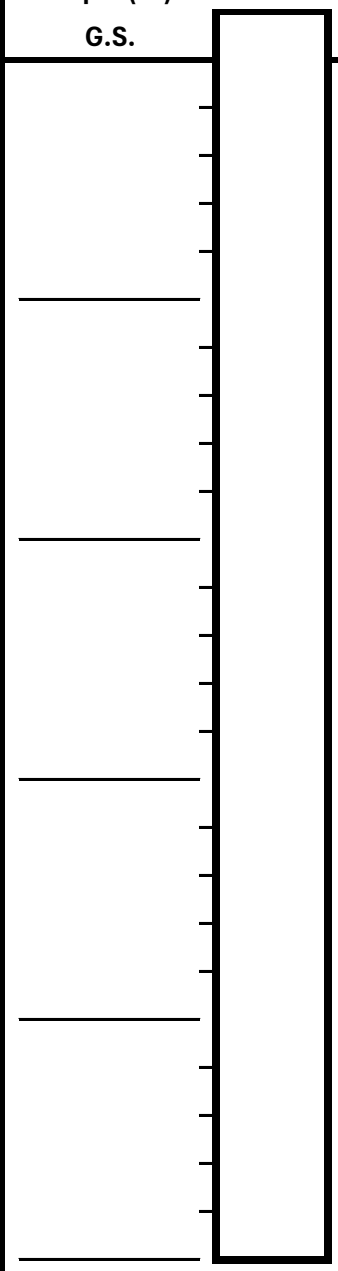
Well Information

Well ID	**PZ-4**	**Well Depth**	11 feet
Bedrock (Y/N)	**N**	**Well Diameter**	1 inch
Well Use			

Decommissioning Data (Fill in all that apply)

Drilling Contractor	Parratt-Wolff
Overdrilling	
Interval Drilled	N/A
Drilling Method(s)	N/A
Borehole Dia. (in.)	N/A
Temporary Casing Installed? (Y/N)	N/A
Depth Temporary Casing Installed	N/A
Casing Type/Dia. (in.)	N/A
Method of Installing	N/A
Casing Pull	
Method Employed	Direct pull
Casing Retrieved (feet)	
Casing Type/Dia (in.)	PCV - 1 inch
Casing Perforating	
Equipment Used	N/A
Number of Perforations Per Foot	N/A
Size of Perforations	N/A
Interval Perforated	N/A
Grouting	
Interval Grouted (ft. bgs.)	0-11 feet
# of Batches Prepared	N/A
For Each Batch Record:	
Quantity of Water (gal.)	N/A
Quantity of Cement (lbs.)	N/A
Cement Type	Portland Cement
Quantity of Bentonite (lbs.)	N/A
Quantity of Calcium Chloride (lbs.)	N/A
Volume of Grout Prepared (gal.)	N/A
Volume of Grout Used (gal.)	~1 gallon

Well Schematic*



Comments	

* Sketch all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup etc.

Signature

APPENDIX M MICROBIAL INSIGHTS REPORT

10515 Research Drive
Knoxville, TN 37932
Phone: 865.573.8188
Fax: 865.573.8133
Web: www.microbe.com

ACCREDITED
CERTIFICATE #7157.01

SITE LOGIC Report

QuantArray®-Chlor Study

Contact:	Tim Daniluk	Phone:	315-233-3043
Address:	ERM 5784 Widewaters Parkway Dewitt Syracuse, NY 13214	Email:	tim.daniluk@erm.com

MI Identifier: 019VL Report Date: 12/17/2024

Project: Cheektowaga Leica

Reviewed By: *Sarah Keys*

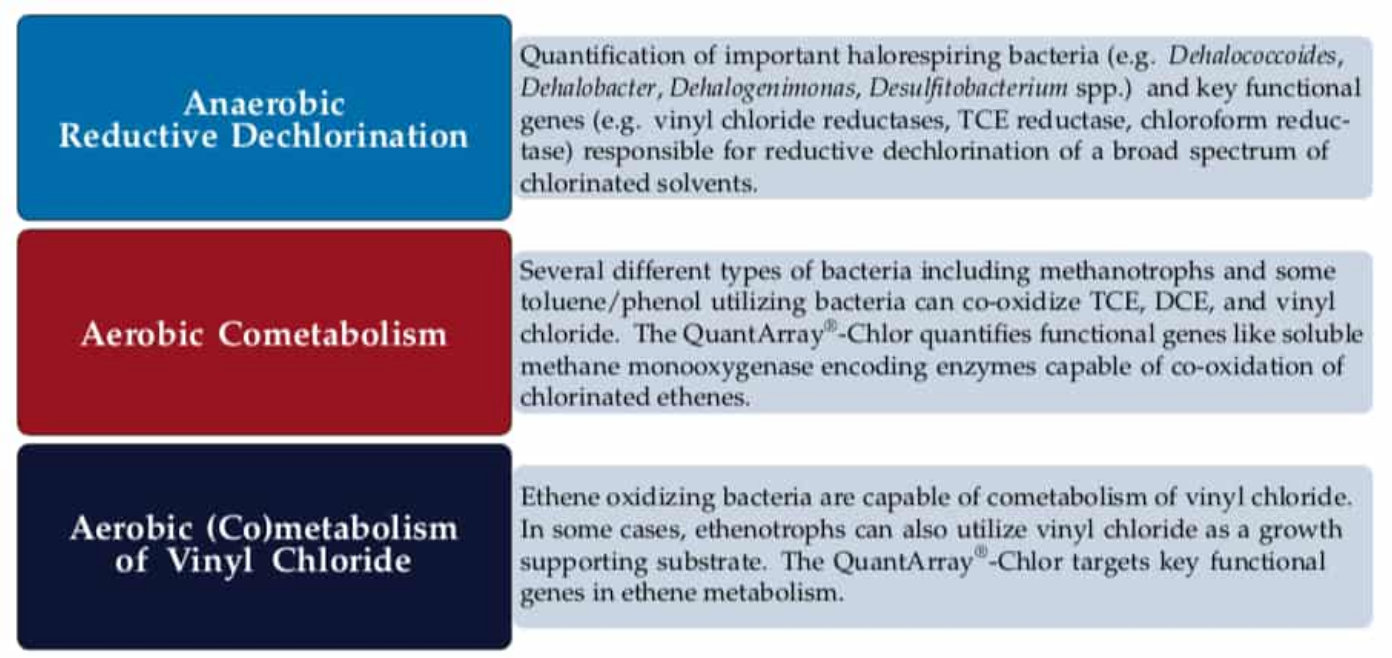
Comments:

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The QuantArray®-Chlor Approach

Quantification *Dehalococcoides*, the only known bacterial group capable of complete reductive dechlorination of PCE and TCE to ethene, has become an indispensable component of assessment, remedy selection, and performance monitoring at sites impacted by chlorinated solvents. While undeniably a key group of halorespiring bacteria, *Dehalococcoides* are not the only bacteria of interest in the subsurface because reductive dechlorination is not the only potential biodegradation pathway operative at contaminated sites, and chlorinated ethenes are not always the primary contaminants of concern. The QuantArray®-Chlor not only includes a variety of halorespiring bacteria (*Dehalococcoides*, *Dehalobacter*, *Dehalogenimonas*, etc.) to assess the potential for reductive dechlorination of chloroethenes, chloroethanes, chlorobenzenes, chlorophenols, and chloroform, but also provides quantification of functional genes involved in aerobic (co)metabolic pathways for biodegradation of chlorinated solvents and even competing biological processes. Thus, the QuantArray®-Chlor will give site managers the ability to simultaneously yet economically evaluate the potential for biodegradation of a spectrum of common chlorinated contaminants through a multitude of anaerobic and aerobic (co)metabolic pathways to give a much more clear and comprehensive view of contaminant biodegradation.

The QuantArray®-Chlor is used to quantify specific microorganisms and functional genes to evaluate the following:



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Results

Table 1: Summary of the QuantArray®-Chlor results obtained for samples MW-11A-BT-01-20241204, MW-53-BT-02-20241204, and MW-26A-BT-03-20241204

Sample Name Sample Date	MW-11A-BT-01-20241204 12/04/2024	MW-53-BT-02-20241204 12/04/2024	MW-26A-BT-03-20241204 12/04/2024
Reductive Dechlorination	cells/bead	cells/bead	cells/bead
Dehalococcoides (DHC)	**3.20E+02**	**1.40E+01**	**5.50E+02**
tceA Reductase (TCE)	<1.30E+01	<1.30E+01	**1.90E+01**
BAV1 Vinyl Chloride Reductase (BVC)	**2.10E+01**	<1.30E+01	**1.40E+01**
Vinyl Chloride Reductase (VCR)	**4.20E+01**	<1.30E+01	**5.30E+02**
Dehalobacter spp. (DHBt)	**8.60E+04**	<1.30E+01	**2.30E+05**
Dehalobacter DCM (DCM)	<1.30E+01	<1.30E+01	<1.30E+01
Dehalogenimonas spp. (DHG)	**4.00E+03**	<1.30E+01	**4.50E+04**
cerA Reductase (CER)	**3.00E+02**	<1.30E+01	**6.20E+02**
trans-1,2-DCE Reductase (TDR)	<1.30E+01	<1.30E+01	<1.30E+01
Desulfitobacterium spp. (DSB)	**7.80E+04**	<1.30E+01	**2.30E+05**
Dehalobium chlorocoercia (DECO)	**1.40E+04**	<1.30E+01	**1.70E+02**
Desulfuromonas spp. (DSM)	**1.50E+04**	**3.60E+01**	<1.30E+01
PCE Reductase (PCE-1)	<1.30E+01	<1.30E+01	<1.30E+01
PCE Reductase (PCE-2)	<1.30E+01	<1.30E+01	<1.30E+01
Chloroform Reductase (CFR)	<1.30E+01	<1.30E+01	<1.30E+01
1,1 DCA Reductase (DCA)	<1.30E+01	<1.30E+01	<1.30E+01
1,2 DCA Reductase (DCAR)	<1.30E+01	<1.30E+01	<1.30E+01
Aerobic (Co)Metabolic			
Soluble Methane Monooxygenase (SMMO)	<1.30E+01	<1.30E+01	<1.30E+01
Toluene Dioxygenase (TOD)	<1.30E+01	<1.30E+01	<1.30E+01
Phenol Hydroxylase (PHE)	**4.20E+03**	**1.70E+04**	**1.60E+03**
Trichlorobenzene Dioxygenase (TCBO)	<1.30E+01	<1.30E+01	<1.30E+01
Toluene Monooxygenase 2 (RDEG)	**1.80E+02**	**3.10E+04**	<1.30E+01
Toluene Monooxygenase (RMO)	**3.50E+03**	**2.20E+04**	<1.30E+01
Ethene Monooxygenase (EtnC)	**4.10E+03**	<1.30E+01	<1.30E+01
Epoxyalkane Transferase (EtnE)	**1.90E+04**	**3.60E+03**	<1.30E+01
Dichloromethane Dehalogenase (DCMA)	<1.30E+01	<1.30E+01	<1.30E+01
Other			
Total Eubacteria (EBAC)	**1.09E+07**	**4.76E+07**	**1.49E+07**
Sulfate Reducing Bacteria (APS)	**3.30E+05**	**1.40E+04**	**2.60E+05**
Methanogens (MGN)	<1.30E+01	<1.30E+01	**1.80E+01**

Legend:

NA = Not Analyzed
NS = Not Sampled
J = Estimated Gene Copies Below PQL but Above LQL
I = Inhibited
< = Result Not Detected

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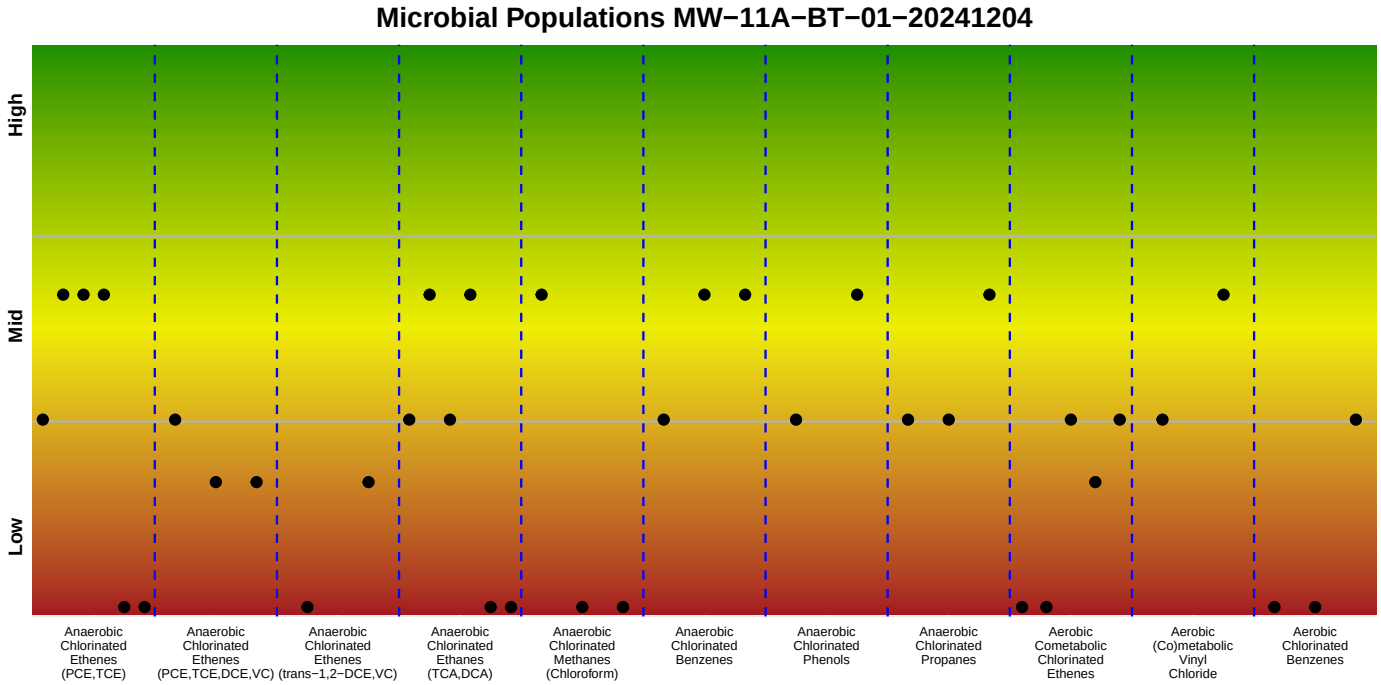


Figure 1: Microbial population summary to aid in evaluating potential pathways and biodegradation of specific contaminants. See below to understand the correlation between contaminants and their associated qPCR assays.

Anaerobic - Reductive Dechlorination or Dichloroelimination	
Contaminants	**qPCR Assays**
Chlorinated Ethenes (PCE, TCE)	DHC, DHBt, DSB, DSM, PCE-1, PCE-2
Chlorinated Ethenes (PCE, TCE, DCE, VC)	DHC, BVC, VCR
Chlorinated Ethenes (trans-1,2-DCE, VC)	TDR, CER
Chlorinated Ethanes (TCA and 1,2- DCA)	DHC, DHBt, DHG, DSB[1], DCA, DCAR
Chlorinated Methanes (Chloroform)	DHBt, DCM, CFR
Chlorinated Benzenes	DHC, DHBt[2], DECO
Chlorinated Phenols	DHC, DSB
Chlorinated Propanes	DHC, DHG, DSB[1]
Aerobic - (Co)metabolism	
Chlorinated Ethenes (TCE,DCE,VC)	sMMO, TOD, PHE, RDEG, RMO
(Co)metabolic Vinyl Chloride	etnC, etnE
Chlorinated Benzenes	TOD, TCBO, PHE

[1] *Desulfitobacterium dichloroeliminans* DCA1. [2] Implicated in reductive dechlorination of dichlorobenzene and potentially chlorobenzene.

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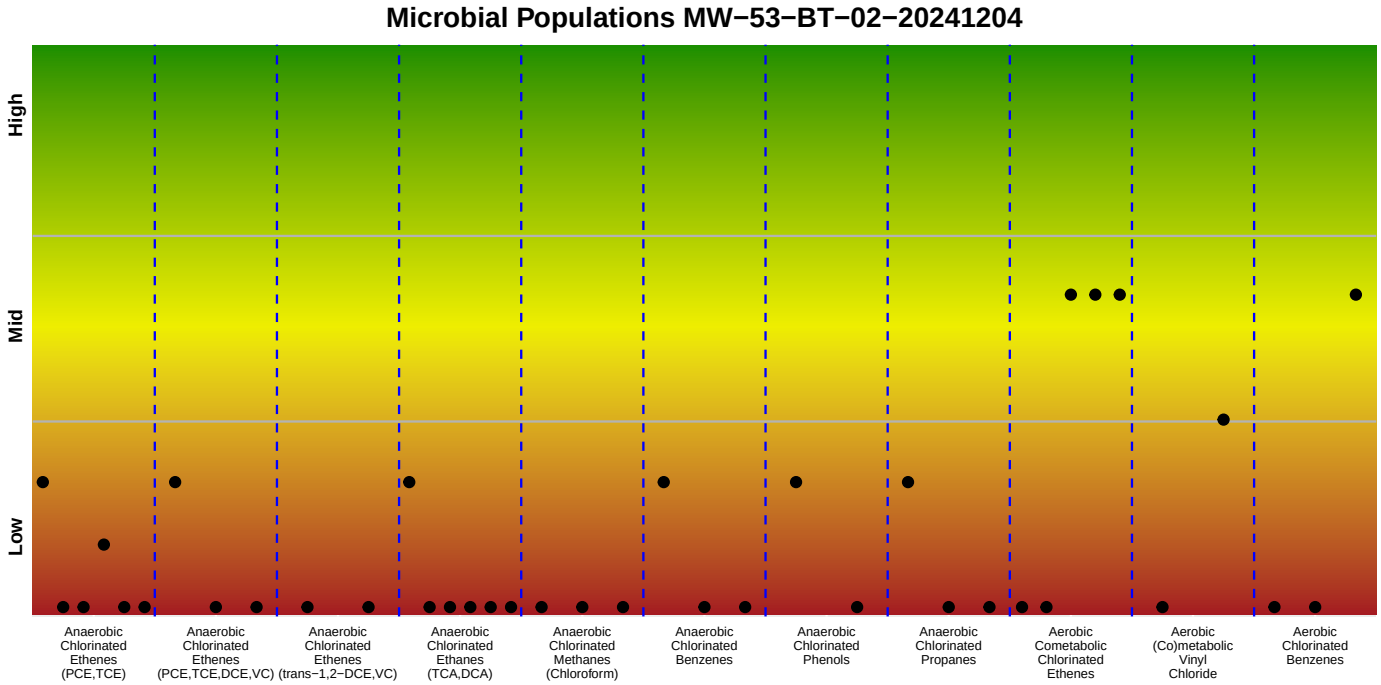


Figure 2: Microbial population summary to aid in evaluating potential pathways and biodegradation of specific contaminants. See below to understand the correlation between contaminants and their associated qPCR assays.

Anaerobic - Reductive Dechlorination or Dichloroelimination	
Contaminants	**qPCR Assays**
Chlorinated Ethenes (PCE, TCE)	DHC, DHBt, DSB, DSM, PCE-1, PCE-2
Chlorinated Ethenes (PCE, TCE, DCE, VC)	DHC, BVC, VCR
Chlorinated Ethenes (trans-1,2-DCE, VC)	TDR, CER
Chlorinated Ethanes (TCA and 1,2- DCA)	DHC, DHBt, DHG, DSB[1], DCA, DCAR
Chlorinated Methanes (Chloroform)	DHBt, DCM, CFR
Chlorinated Benzenes	DHC, DHBt[2], DECO
Chlorinated Phenols	DHC, DSB
Chlorinated Propanes	DHC, DHG, DSB[1]
Aerobic - (Co)metabolism	
Chlorinated Ethenes (TCE,DCE,VC)	sMMO, TOD, PHE, RDEG, RMO
(Co)metabolic Vinyl Chloride	etnC, etnE
Chlorinated Benzenes	TOD, TCBO, PHE

[1] *Desulfitobacterium dichloroeliminans* DCA1. [2] Implicated in reductive dechlorination of dichlorobenzene and potentially chlorobenzene.

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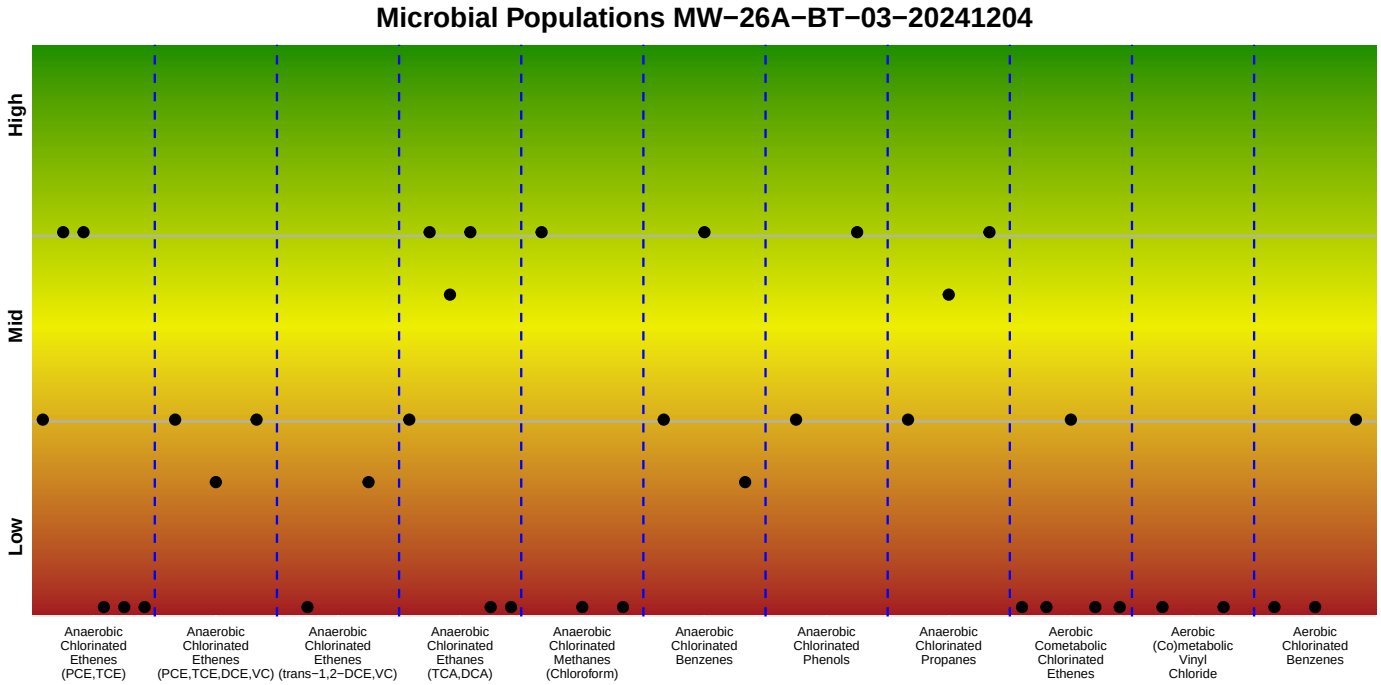


Figure 3: Microbial population summary to aid in evaluating potential pathways and biodegradation of specific contaminants. See below to understand the correlation between contaminants and their associated qPCR assays.

Anaerobic - Reductive Dechlorination or Dichloroelimination	
Contaminants	**qPCR Assays**
Chlorinated Ethenes (PCE, TCE)	DHC, DHBt, DSB, DSM, PCE-1, PCE-2
Chlorinated Ethenes (PCE, TCE, DCE, VC)	DHC, BVC, VCR
Chlorinated Ethenes (trans-1,2-DCE, VC)	TDR, CER
Chlorinated Ethanes (TCA and 1,2- DCA)	DHC, DHBt, DHG, DSB[1], DCA, DCAR
Chlorinated Methanes (Chloroform)	DHBt, DCM, CFR
Chlorinated Benzenes	DHC, DHBt[2], DECO
Chlorinated Phenols	DHC, DSB
Chlorinated Propanes	DHC, DHG, DSB[1]
Aerobic - (Co)metabolism	
Chlorinated Ethenes (TCE,DCE,VC)	sMMO, TOD, PHE, RDEG, RMO
(Co)metabolic Vinyl Chloride	etnC, etnE
Chlorinated Benzenes	TOD, TCBO, PHE

[1] *Desulfitobacterium dichloroeliminans* DCA1. [2] Implicated in reductive dechlorination of dichlorobenzene and potentially chlorobenzene.

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Interpretation

The overall purpose of the QuantArray®-Chlor is to give site managers the ability to simultaneously yet economically evaluate the potential for biodegradation of a spectrum of common chlorinated contaminants through a multitude of anaerobic and aerobic (co)metabolic pathways in order to provide a clearer and more comprehensive view of contaminant biodegradation. The following discussion describes the interpretation of results in general terms and is meant to serve as a guide.

Reductive Dechlorination - Chlorinated Ethenes: While a number of bacterial cultures including *Dehalococcoides*, *Dehalobacter*, *Desulfitobacterium*, *Desulfuromonas* spp. capable, of utilizing PCE and TCE as growth-supporting electron acceptors have been isolated [1–5], *Dehalococcoides* may be the most important because they are the only bacterial group that has been isolated to date which is capable of complete reductive dechlorination of PCE to ethene [6]. In fact, the presence of *Dehalococcoides* has been associated with complete reductive dechlorination to ethene at sites across North America and Europe. Hendrickson and Lu have proposed using a *Dehalococcoides* concentration of 1 x 10^4 cells/mL as a screening criterion to identify sites where biological reductive dechlorination is predicted to proceed at "generally useful" rates [7,8].

At chlorinated ethene sites, any "stall" leading to the accumulation of daughter products, especially vinyl chloride, would be a substantial concern. While *Dehalococcoides* concentrations greater than 1 x 10^4 cells/mL correspond to ethene production and useful rates of dechlorination, the range of chlorinated ethenes degraded varies by strain within the *Dehalococcoides* genus [6,9] and the presence of co-contaminants and competitors can have complex impacts on the halorespiring microbial community [10–15]. Therefore, QuantArray®-Chlor also provides quantification of a suite of reductive dehalogenase genes (PCE, TCE, BVC, VCR, CER, and TDR) to more definitively confirm the potential for reductive dechlorination of all chlorinated ethene compounds including vinyl chloride.

Perhaps most importantly, QuantArray®-Chlor quantifies TCE reductase (TCE) and both known vinyl chloride reductase genes (BVC, VCR) from *Dehalococcoides* to conclusively evaluate the potential for complete reductive dechlorination of chlorinated ethenes to non-toxic ethene [16–18]. In addition, the analysis also includes quantification of reductive dehalogenase genes from *Dehalogenimonas* spp. capable of reductive dechlorination of chlorinated ethenes. More specifically, these are the trans-1,2-DCE dehalogenase gene (TDR) from strain WBC-2 [19] and the vinyl chloride reductase gene (CER) from GP, the only known organisms other than *Dehalococcoides* capable of vinyl chloride reduction [20]. Finally, PCE reductase genes responsible for sequential reductive dechlorination of PCE to *cis*-DCE by *Sulfurospirillum* and *Geobacter* spp. are also quantified. In mixed cultures, evidence increasingly suggests that partial dechlorinators like *Sulfurospirillum}* and *Geobacter* may be responsible for the majority of reductive dechlorination of PCE to TCE and *cis*-DCE while *Dehalococcoides* functions more as *cis*-DCE and vinyl chloride reducing specialists [10,21].

Reductive Dechlorination - Chlorinated Ethanes: Under anaerobic conditions, chlorinated ethanes are susceptible to reductive dechlorination by several groups of halorespiring bacteria including *Dehalobacter*, *Dehalogenimonas*, and *Dehalococcoides*. While the reported range of chlorinated ethanes utilized varies by genus, species, and sometimes at the strain level, several general observations can be made regarding biodegradation pathways and daughter product formation. *Dehalobacter* spp. have been isolated that are capable of sequential reductive dechlorination of 1,1,1-TCA through 1,1-DCA to chloroethane [13]. Biodegradation of 1,1,2-TCA by several halorespiring bacteria including *Dehalobacter* and *Dehalogenimonas* spp. proceeds via dichloroelimination producing vinyl chloride [22–24]. Similarly, 1,2-DCA biodegradation by *Dehalobacter*, *Dehalogenimonas*, and *Dehalococcoides* occurs via dichloroelimination producing ethene. While not utilized by many *Desulfitobacterium* isolates, at least one strain, *Desulfitobacterium dichloroeliminans* strain DCA1, is also capable of dichloroelimination of 1,2-DCA [25]. The 1,2-dichloroethane reductive dehalogenase gene (DCAR) from members of *Desulfitobacterium* and *Dehalobacter* is known to dechlorinate 1,2-DCA to ethene, while the 1,1-dichloroethane reductive dehalogenase (DCA) targets the gene responsible for 1,1-DCA dechlorination in some strains of *Dehalobacter*. In addition to chloroform, chloroform reductase (CFR) has also been shown to be responsible for reductive dechlorination of 1,1,1-TCA [26].

Reductive Dechlorination - Chlorinated Methanes: Chloroform is a common co-contaminant at chlorinated solvent sites and can inhibit reductive dechlorination of chlorinated ethenes. Grostern et al. demonstrated that a *Dehalobacter* population was capable of reductive dechlorination of chloroform to produce dichloromethane [27]. The *cfrA* gene encodes the reductase which catalyzes this initial step in chloroform biodegradation [26]. Justicia-Leon et al. have since shown that dichloromethane can support growth of a distinct group of *Dehalobacter* strains via fermentation [28]. The *Dehalobacter* DCM assay targets the 16S rRNA gene of these strains.

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Reductive Dechlorination - Chlorinated Benzenes: Chlorinated benzenes are an important class of industrial solvents and chemical intermediates in the production of drugs, dyes, herbicides, and insecticides. The physical-chemical properties of chlorinated benzenes as well as susceptibility to biodegradation are functions of their degree of chlorination and the positions of chlorine substituents. Under anaerobic conditions, reductive dechlorination of higher chlorinated benzenes including hexachlorobenzene (HCB), pentachlorobenzene (PeCB), tetrachlorobenzene (TeCB) isomers, and trichlorobenzene (TCB) isomers has been well documented [29], although biodegradation of individual compounds and isomers varies between isolates. For example, *Dehalococcoides* strain CBDB1 reductively dechlorinats HCB, PeCB, all three TeCB isomers, 1,2,3-TCB, and 1,2,4-TCB [9]. *Dehalobium chlorocoercia* DF-1 has been shown to be capable of reductive dechlorination of HCB, PeCB, and 1,2,3,5-TeCB [31]. The dichlorobenzene (DCB) isomers and chlorobenzene (CB) were considered relatively recalcitrant under anaerobic conditions. However, new evidence has demonstrated reductive dechlorination of DCBs to CB and CB to benzene [32] with corresponding increases in concentrations of *Dehalobacter* spp. [33].

Reductive Dechlorination - Chlorinated Phenols: Pentachlorophenol (PCP) was one of the most widely used biocides in the U.S. and despite residential use restrictions, is still extensively used industrially as a wood preservative. Along with PCP, the tetrachlorophenol and trichlorophenol isomers were also used as fungicides in wood preserving formulations. 2,4-Dichlorophenol and 2,4,5-TCP were used as chemical intermediates in herbicide production (e.g. 2,4-D) and chlorophenols are known byproducts of chlorine bleaching in the pulp and paper industry. While the range of compounds utilized varies by strain, some *Dehalococcoides* isolates are capable of reductive dechlorination of PCP and other chlorinated phenols. For example, *Dehalococcoides* strain CBDB1 is capable of utilizing PCP, all three tetrach lorophenol (TeCP) congeners, all six trichlorophenol (TCP) congeners, and 2,3-dichlorophenol (2,3-DCP). PCP dechlorination by strain CBDB1 produces a mixture of 3,5-DCP, 3,4-DCP, 2,4-DCP, 3-CP, and 4-CP [34]. In the same study, however, *Dehalococcoides* strain 195 dechlorinated a more narrow spectrum of chlorophenols which included 2,3-DCP, 2,3,4-TCP, and 2,3,6-TCP, but no other TCPs or PCP. Similar to *Dehalococcoides*, some species and strains of *Desulfitobacterium* are capable of utilizing PCP and other chlorinated phenols. *Desulfitobacterium hafniense* PCP-1 is capable of reductive dechlorination of PCP to 3-CP [35]. However, the ability to biodegrade PCP is not universal among *Desulfitobacterium* isolates. *Desulfitobacterium* spp. strain PCE1 and *D. chlororespirans* strain Co23, for example, can utilize some TCP and DCP isomers, but not PCP for growth [2,36].

Reductive Dechlorination - Chlorinated Propanes: *Dehalogenimonas* is a recently described bacterial genus of the phylum Chloroflexi which also includes the well-known chloroethene-respiring *Dehalococcoides* [23]. The *Dehalogenimonas* isolates characterized to date are also halorespiring bacteria, but utilize a rather unique range of chlorinated compounds as electron acceptors including chlorinated propanes (1,2,3-TCP and 1,2-DCP) and a variety of other vicinally chlorinated alkanes including 1,1,2,2-tetrachloroethane, 1,1,2-trichloroethane, and 1,2-dichloroethane [23].

Aerobic - Chlorinated Ethene Cometabolism: Under aerobic conditions, several different types of bacteria including methane-oxidizing bacteria (methanotrophs), and many benzene, toluene, ethylbenzene, xylene, and (BTEX)-utilizing bacteria can cometabolize or co-oxidize TCE, DCE, and vinyl chloride [37]. In general, cometabolism of chlorinated ethenes is mediated by monooxygenase enzymes with "relaxed" specificity that oxidize a primary (growth supporting) substrate (*e.g.* methane) and co-oxidize the chlorinated compound (*e.g.* TCE). QuantArray®-Chlor provides quantification of a suite of genes encoding oxygenase enzymes capable of co-oxidation of chlorinated ethenes including soluble methane monooxygenase (sMMO). Soluble methane monooxygenases co-oxidize a broad range of chlorinated compounds [38–41] including TCE, *cis*-DCE, and vinyl chloride. Furthermore, soluble methane monooxygenases are generally believed to support greater rates of aerobic cometabolism [40]. QuantArray®-Chlor also quantifies aromatic oxygenase genes encoding ring hydroxylating toluene monooxygenase genes (RMO, RDEG), toluene dioxygenase (TOD) and phenol hydroxylases (PHE) capable of TCE co-oxidation [42–46]. TCE or a degradation product has been shown to induce expression of toluene monooxygenases in some laboratory studies [43,47] raising the possibility of TCE cometabolism with an alternative (non-aromatic) growth substrate. Moreover, while a number of additional factors must be considered, recent research under ESTCP Project 201584 has shown positive correlations between concentrations of monooxygenase genes (soluble methane monooxygenase, ring hydroxylating monooxygenases, and phenol hydroxylase) and the rate of TCE degradation [48].

Aerobic - Chlorinated Ethane Cometabolism: While less widely studied than cometabolism of chlorinated ethenes, some chlorinated ethanes are also susceptible to co-oxidation. As mentioned previously, soluble methane monooxygenases (sMMO) exhibit very relaxed specificity. In laboratory studies, sMMO has been shown to co-oxidize a number of chlorinated ethanes including 1,1,1-TCA and 1,2-DCA [38,40].

Aerobic - Vinyl Chloride Cometabolism: Beginning in the early 1990s, numerous microcosm studies demonstrated

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aerobic oxidation of vinyl chloride under MNA conditions without the addition of exogenous primary substrates. Since then, strains of *Mycobacterium*, *Nocardioides*, *Pseudomonas*, *Ochrobactrum*, and *Ralstonia* species have been isolated which are capable of aerobic growth on both ethene and vinyl chloride (see Mattes et al. [49] for a review). The initial steps in the pathway are the monooxygenase (*etn*ABCD) catalyzed conversion of ethene and vinyl chloride to their respective epoxyalkanes (epoxyethane and chlorooxirane), followed by epoxyalkane:CoM transferase (*etn*E) mediated conjugation and breaking of the epoxide [50].

Aerobic - Chlorinated Benzenes: In general, chlorobenzenes with four or less chlorine groups are susceptible to aerobic biodegradation and can serve as growth-supporting substrates. Toluene dioxygenase (TOD) has a relatively relaxed substrate specificity and mediates the incorporation of both atoms of oxygen into the aromatic ring of benzene and substituted benzenes (toluene and chlorobenzene). Comparison of TOD levels in background and source zone samples from a CB-impacted site suggested that CBs promoted growth of TOD-containing bacteria [51]. In addition, aerobic biodegradation of some trichlorobenzene and even tetrachlorobenzene isomers is initiated by a group of related trichlorobenzene dioxygenase genes (TCBO). Finally, phenol hydroxylases catalyze the continued oxidation and in some cases, the initial oxidation of a variety of monoaromatic compounds. In an independent study, significant increases in numbers of bacteria containing PHE genes corresponded to increases in biodegradation of DCB isomers [51].

Aerobic - Chlorinated Methanes: Many aerobic methylotrophic bacteria, belonging to diverse genera (*Hyphomicrobium*, *Methylobacterium*, *Methylophilus*, *Pseudomonas*, *Paracoccus*, and *Alibacter*) have been isolated which are capable of utilizing dichloromethane (DCM) as a growth substrate. The DCM metabolic pathway in methylotrophic bacteria is initiated by a dichloromethane dehalogenase (DCMA) gene. DCMA is responsible for aerobic biodegradation of dichloromethane by methylotrophs by first producing formaldehyde which is then further oxidized [52].

As discussed in previous sections, soluble methane monooxygenase (sMMO) exhibits relaxed specificity and co-oxidizes a broad spectrum of chlorinated hydrocarbons. In addition to chlorinated ethenes, sMMO has been shown to co-oxidize chloroform in laboratory studies [38,41].

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Sample Information						Analyses																												
								QuantArray®				Census® qPCR																							
MI ID (Laboratory Use Only)	Sample Name	Date Sampled	Time Sampled	Matrix	Total Number of Containers	PLFA	NGS:	QuantArray Chlor [1]	QuantArray Petro [1]	QuantArray NSZD [1]	QuantArray BGC [1]	DHC (Dehalococcoides)	DHC Functional genes (bvc, tce, vcr)	DHBt (Dehalobacter)	DHG (Dehalogenimonas)	DSM (Desulfuromonas)	DSB (Desulfitobacterium)	EBAC (Total)	SRB (Sulfate Reducing Bacteria-APS)	MGN (Methanogens)	MOB (Methanotrophs)	SMMO (Soluble Methane Monooxi)	DNF (Denitrifiers-nirS and nirK)	PM1 (MTBE aerobic)	RMO (Toluene Monooxygenase)	RDEG (Toluene Monooxygenase)	PHE (Phenol Hydroxylase)	NAH (Napthalene-aerobic)	BSSA (Toluene/Xylene-Anaerobic)	add. CENSUS:	add. CENSUS:	add. CENSUS:	RNA (Expression Option) [2]
019VL 1	MW-11A-BT-01-2024 1204	12/4	12:20	WG	1			X																										
2	MW-53-BT-02-2024 1204	12/4	12:30	WG	1			X																										
3	MW-26A-BT-03-2024 1204	12/4	13:05	WG	1			X																										
		(N)																		(N)														

Relinquished by: [signature] Date 12/4/24 13:30 Received by: (lab use only) [signature] Date 12/5/24

It is vital that chain of custody is filled out correctly & that all information is provided. Failure to provide sufficient and/or correct information regarding reporting, invoicing & analyses requested may result in delays for which MI will not be liable.

[1] If a QuantArray is selected only additional targets not already included need to be marked. [2] Additional cost and sample preservation are associated with RNA samples

SATURDAY DELIVERY: See sampling protocol for the alternate shipping address and special instructions.

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Raw Data

Date Created	12-06-2024 09:59:12 AM EST
Experiment Name	4 7 8 9 16 17 18 19 20VL eb 15VL dhc
Experiment Run Stop Time	12-06-2024 12:09:51 PM EST
Instrument Name	285881017
Instrument Type	QuantStudio 12K Flex

Sample Name	Well Position	Target Name	Tasks	CT	Volume
019VL 1	A21	EBAC	UNKNOWN	18.45445442199707	20
019VL 2	A22	EBAC	UNKNOWN	16.270149230957031	20
019VL 3	A23	EBAC	UNKNOWN	17.990316390991211	20
ebac neg	C17	EBAC	UNKNOWN	Undetermined	1
ebac neg	C18	EBAC	UNKNOWN	Undetermined	1
ebac pos	C13	EBAC	UNKNOWN	17.340480804443359	1
ebac pos	C14	EBAC	UNKNOWN	18.313661575317383	1

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Raw Data

Date Created	12-06-2024 13:55:24 PM EST
Experiment Name	58 96VK 6 7 16 17 20VL ebwdil 9 18 19VL dhc CM RNA extraction Cert 12624
Experiment Run Stop Time	12-06-2024 16:06:50 PM EST
Instrument Name	285881017
Instrument Type	QuantStudio 12K Flex

Sample Name	Well Position	Target Name	Tasks	CT	Volume
019VL 1	F6	DHC	UNKNOWN	33.11852	20
019VL 1	F5	DHC	UNKNOWN	31.853344	20
019VL 2	F8	DHC	UNKNOWN	Undetermined	20
019VL 2	F7	DHC	UNKNOWN	37.26867	20
019VL 3	F9	DHC	UNKNOWN	31.503166	20
019VL 3	F10	DHC	UNKNOWN	31.538328	20
dhc neg	F23	DHC	UNKNOWN	Undetermined	1
dhc neg	F24	DHC	UNKNOWN	Undetermined	1
dhc pos	F19	DHC	UNKNOWN	14.42191	1
dhc pos	F20	DHC	UNKNOWN	13.742339	1

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Raw Data

Date Created	12-10-2024 10:43:54 AM EST
Experiment Name	92VK 103UC eb 6 17 23VK dhc 6 9 18 19VK fxn 8VL fer8RD 96VK rdeg3RD
Experiment Run Stop Time	12-10-2024 13:09:22 PM EST
Instrument Name	285881017
Instrument Type	QuantStudio 12K Flex

Sample Name	Well Position	Target Name	Tasks	CT	Volume
019VL 1	C24	BVC	UNKNOWN	35.249165	20
019VL 1	D22	TCE	UNKNOWN	Undetermined	20
019VL 1	E20	VCR	UNKNOWN	34.264988	20
019VL 2	D1	BVC	UNKNOWN	Undetermined	20
019VL 2	D23	TCE	UNKNOWN	Undetermined	20
019VL 2	E21	VCR	UNKNOWN	Undetermined	20
019VL 3	D2	BVC	UNKNOWN	35.900085	20
019VL 3	D24	TCE	UNKNOWN	35.486637	20
019VL 3	E22	VCR	UNKNOWN	30.341724	20
bvc neg	D9	BVC	UNKNOWN	Undetermined	1
bvc neg	D10	BVC	UNKNOWN	Undetermined	1
bvc pos	D6	BVC	UNKNOWN	15.0286665	1
bvc pos	D5	BVC	UNKNOWN	15.093021	1
tce neg	E7	TCE	UNKNOWN	Undetermined	1
tce neg	E8	TCE	UNKNOWN	Undetermined	1
tce pos	E3	TCE	UNKNOWN	15.198515	1
tce pos	E4	TCE	UNKNOWN	15.07876	1
vcr neg	F6	VCR	UNKNOWN	Undetermined	1
vcr neg	F5	VCR	UNKNOWN	Undetermined	1
vcr pos	F2	VCR	UNKNOWN	18.628517	1
vcr pos	F1	VCR	UNKNOWN	18.6899	1

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Raw Data

Experiment Name	103UC 94VK 3 8 9 19VL mgn_Delta Rn.xlsx
Instrument Type	Applied Biosystems 7300 Real-Time PCR System

Sample Name	Well Position	Target Name	Tasks	CT	Volume
019VL 1	15	MGN	UNKNOWN	Undetermined	20
019VL 2	16	MGN	UNKNOWN	Undetermined	20
019VL 3	17	MGN	UNKNOWN	32.7428	20
MGN NEG	40	MGN	UNKNOWN	Undetermined	1
MGN NEG	41	MGN	UNKNOWN	Undetermined	1
MGN POS	36	MGN	UNKNOWN	22.1422	1
MGN POS	37	MGN	UNKNOWN	20.9525	1

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Raw Data

Experiment Name	9 19 23 34 35 37VL smmo_Delta Rn.xlsx
Instrument Type	Applied Biosystems 7300 Real-Time PCR System

Sample Name	Well Position	Target Name	Tasks	CT	Volume
019VL 1	5	SMMO-1	UNKNOWN	Undetermined	20
019VL 1	32	SMMO-2	UNKNOWN	Undetermined	20
019VL 2	6	SMMO-1	UNKNOWN	Undetermined	20
019VL 2	33	SMMO-2	UNKNOWN	Undetermined	20
019VL 3	7	SMMO-1	UNKNOWN	Undetermined	20
019VL 3	34	SMMO-2	UNKNOWN	Undetermined	20
SMMO1 NEG	25	SMMO-1	UNKNOWN	Undetermined	1
SMMO1 NEG	26	SMMO-1	UNKNOWN	Undetermined	1
SMMO1 POS	23	SMMO-1	UNKNOWN	17.2845	1
SMMO1 POS	22	SMMO-1	UNKNOWN	18.1925	1
SMMO2 NEG	52	SMMO-2	UNKNOWN	Undetermined	1
SMMO2 NEG	53	SMMO-2	UNKNOWN	Undetermined	1
SMMO2 POS	49	SMMO-2	UNKNOWN	20.0474	1
SMMO2 POS	50	SMMO-2	UNKNOWN	19.871	1

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Raw Data

Experiment Name	96VK 9 16 19 20 23VL tod-Delta Rn.xlsx
Instrument Type	Applied Biosystems 7300 Real-Time PCR System

Sample Name	Well Position	Target Name	Tasks	CT	Volume
019VL 1	29	TOD	UNKNOWN	Undetermined	20
019VL 2	30	TOD	UNKNOWN	Undetermined	20
019VL 3	31	TOD	UNKNOWN	Undetermined	20
TOD NEG	42	TOD	UNKNOWN	Undetermined	1
TOD NEG	43	TOD	UNKNOWN	Undetermined	1
TOD POS	38	TOD	UNKNOWN	14.4262	1
TOD POS	39	TOD	UNKNOWN	14.2875	1

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Date Created	12-16-2024 15:30:32 PM EST
Experiment Name	34 42 59 64 65 67VLebwdil 33VLtce45VLppo50VLedo19VLdhg25VLfeob8 39VLfeob1 rdeg1postest
Experiment Run Stop Time	12-16-2024 17:27:10 PM EST
Instrument Name	285881017
Instrument Type	QuantStudio 12K Flex

Sample Name	Well Position	Target Name	Tasks	CT	Volume
019VL 1	B15	DHG-1	UNKNOWN	33.95589	20
019VL 1	C2	DHG-2	UNKNOWN	31.612455	20
dhg1 neg	B22	DHG-1	UNKNOWN	Undetermined	1
dhg1 neg	B23	DHG-1	UNKNOWN	Undetermined	1
dhg1 pos	B18	DHG-1	UNKNOWN	16.33279	1
dhg1 pos	B19	DHG-1	UNKNOWN	16.230476	1
dhg2 neg	C9	DHG-2	UNKNOWN	Undetermined	1
dhg2 neg	C10	DHG-2	UNKNOWN	Undetermined	1
dhg2 pos	C5	DHG-2	UNKNOWN	20.583652	1
dhg2 pos	C6	DHG-2	UNKNOWN	20.517565	1

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Raw Data

Date Created	12-06-2024 17:13:18 PM EST
Experiment Name	YXK30
Experiment Run Stop Time	12-06-2024 19:20:36 PM EST
Instrument Name	285880036
Instrument Type	QuantStudio 12K Flex

Sample Name	Well Position	Target Name	Tasks	CT	Volume
019VL 1	D7a1	APS-1	UNKNOWN	27.06296	20
019VL 1	D7a2	APS-2	UNKNOWN	31.949083000000002	20
019VL 1	D7a3	APS-3	UNKNOWN	28.607545999999999	20
019VL 1	D7a4	APS-4	UNKNOWN	Undetermined	20
019VL 1	D7a5	APS-5	UNKNOWN	Undetermined	20
019VL 1	D7a6	APS-6	UNKNOWN	Undetermined	20
019VL 1	D7a7	APS-7	UNKNOWN	Undetermined	20
019VL 1	D7b4	CER	UNKNOWN	30.409541999999998	20
019VL 1	D7b5	CFR-1	UNKNOWN	Undetermined	20
019VL 1	D7b6	CFR-2	UNKNOWN	Undetermined	20
019VL 1	D7b7	DCA	UNKNOWN	Undetermined	20
019VL 1	D7b8	DCAR-1	UNKNOWN	Undetermined	20
019VL 1	D7c1	DCAR-2	UNKNOWN	Undetermined	20
019VL 1	D7c2	DCAR-3	UNKNOWN	Undetermined	20
019VL 1	D7c3	DCM	UNKNOWN	Undetermined	20
019VL 1	D7c4	DCMA-1	UNKNOWN	Undetermined	20
019VL 1	D7c5	DCMA-2	UNKNOWN	Undetermined	20
019VL 1	D7c6	DCMA-3	UNKNOWN	Undetermined	20
019VL 1	D7c7	DECO	UNKNOWN	30.830112	20
019VL 1	D7c8	DHBt	UNKNOWN	25.551777000000001	20
019VL 1	D7d3	DSB	UNKNOWN	26.528154000000001	20
019VL 1	D7d4	DSM-1	UNKNOWN	25.820499999999999	20
019VL 1	D7d5	DSM-2	UNKNOWN	Undetermined	20

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Date Created	12-06-2024 17:13:18 PM EST
Experiment Name	YXK30
Experiment Run Stop Time	12-06-2024 19:20:36 PM EST
Instrument Name	285880036
Instrument Type	QuantStudio 12K Flex

Sample Name	Well Position	Target Name	Tasks	CT	Volume
019VL 1	D7d7	EtnC-1	UNKNOWN	Undetermined	20
019VL 1	D7d8	EtnC-2	UNKNOWN	31.226161999999999	20
019VL 1	D7e1	EtnC-3	UNKNOWN	30.257235000000001	20
019VL 1	D7e2	EtnC-4	UNKNOWN	31.345882	20
019VL 1	D7e3	EtnE-1	UNKNOWN	28.560278	20
019VL 1	D7e4	EtnE-2	UNKNOWN	Undetermined	20
019VL 1	D7e5	EtnE-3	UNKNOWN	29.105936	20
019VL 1	D7e6	PCE-1	UNKNOWN	Undetermined	20
019VL 1	D7e7	PCE-2	UNKNOWN	Undetermined	20
019VL 1	D7e8	PHE-1	UNKNOWN	Undetermined	20
019VL 1	D7f1	PHE-2	UNKNOWN	Undetermined	20
019VL 1	D7f2	PHE-3	UNKNOWN	28.057912999999999	20
019VL 1	D7f3	PHE-4	UNKNOWN	30.130313999999998	20
019VL 1	D7f5	RDEG-1	UNKNOWN	Undetermined	20
019VL 1	D7f6	RDEG-2	UNKNOWN	36	20
019VL 1	D7f7	RDEG-3	UNKNOWN	Undetermined	20
019VL 1	D7f8	RMO-1	UNKNOWN	33.910373999999997	20
019VL 1	D7g3	RMO-2	UNKNOWN	Undetermined	20
019VL 1	D7g4	RMO-3	UNKNOWN	Undetermined	20
019VL 1	D7g5	RMO-4	UNKNOWN	Undetermined	20
019VL 1	D7g6	RMO-5	UNKNOWN	Undetermined	20
019VL 1	D7h4	TCBO	UNKNOWN	Undetermined	20
019VL 1	D7h5	TDR	UNKNOWN	Undetermined	20
019VL 2	D8a1	APS-1	UNKNOWN	Undetermined	20
019VL 2	D8a2	APS-2	UNKNOWN	31.015844000000001	20

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Experiment Name	YXK30
Experiment Run Stop Time	12-06-2024 19:20:36 PM EST
Instrument Name	285880036
Instrument Type	QuantStudio 12K Flex

Sample Name	Well Position	Target Name	Tasks	CT	Volume
019VL 2	D8a3	APS-3	UNKNOWN	Undetermined	20
019VL 2	D8a4	APS-4	UNKNOWN	Undetermined	20
019VL 2	D8a5	APS-5	UNKNOWN	Undetermined	20
019VL 2	D8a6	APS-6	UNKNOWN	Undetermined	20
019VL 2	D8a7	APS-7	UNKNOWN	Undetermined	20
019VL 2	D8b4	CER	UNKNOWN	Undetermined	20
019VL 2	D8b5	CFR-1	UNKNOWN	Undetermined	20
019VL 2	D8b6	CFR-2	UNKNOWN	Undetermined	20
019VL 2	D8b7	DCA	UNKNOWN	Undetermined	20
019VL 2	D8b8	DCAR-1	UNKNOWN	Undetermined	20
019VL 2	D8c1	DCAR-2	UNKNOWN	Undetermined	20
019VL 2	D8c2	DCAR-3	UNKNOWN	Undetermined	20
019VL 2	D8c3	DCM	UNKNOWN	Undetermined	20
019VL 2	D8c4	DCMA-1	UNKNOWN	Undetermined	20
019VL 2	D8c5	DCMA-2	UNKNOWN	Undetermined	20
019VL 2	D8c6	DCMA-3	UNKNOWN	Undetermined	20
019VL 2	D8c7	DECO	UNKNOWN	Undetermined	20
019VL 2	D8c8	DHBt	UNKNOWN	Undetermined	20
019VL 2	D8d1	DHG-1	UNKNOWN	Undetermined	20
019VL 2	D8d2	DHG-2	UNKNOWN	Undetermined	20
019VL 2	D8d3	DSB	UNKNOWN	Undetermined	20
019VL 2	D8d4	DSM-1	UNKNOWN	35	20
019VL 2	D8d5	DSM-2	UNKNOWN	Undetermined	20
019VL 2	D8d7	EtnC-1	UNKNOWN	Undetermined	20
019VL 2	D8d8	EtnC-2	UNKNOWN	Undetermined	20

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Raw Data

Date Created	12-06-2024 17:13:18 PM EST
Experiment Name	YXK30
Experiment Run Stop Time	12-06-2024 19:20:36 PM EST
Instrument Name	285880036
Instrument Type	QuantStudio 12K Flex

Sample Name	Well Position	Target Name	Tasks	CT	Volume
019VL 2	D8e1	EtnC-3	UNKNOWN	Undetermined	20
019VL 2	D8e2	EtnC-4	UNKNOWN	Undetermined	20
019VL 2	D8e3	EtnE-1	UNKNOWN	Undetermined	20
019VL 2	D8e4	EtnE-2	UNKNOWN	Undetermined	20
019VL 2	D8e5	EtnE-3	UNKNOWN	29.753176	20
019VL 2	D8e6	PCE-1	UNKNOWN	Undetermined	20
019VL 2	D8e7	PCE-2	UNKNOWN	Undetermined	20
019VL 2	D8e8	PHE-1	UNKNOWN	Undetermined	20
019VL 2	D8f1	PHE-2	UNKNOWN	30.3994	20
019VL 2	D8f2	PHE-3	UNKNOWN	28.266247	20
019VL 2	D8f3	PHE-4	UNKNOWN	26.557127000000001	20
019VL 2	D8f5	RDEG-1	UNKNOWN	28.787012000000001	20
019VL 2	D8f6	RDEG-2	UNKNOWN	28.797445	20
019VL 2	D8f7	RDEG-3	UNKNOWN	Undetermined	20
019VL 2	D8f8	RMO-1	UNKNOWN	30.642164000000001	20
019VL 2	D8g3	RMO-2	UNKNOWN	Undetermined	20
019VL 2	D8g4	RMO-3	UNKNOWN	Undetermined	20
019VL 2	D8g5	RMO-4	UNKNOWN	Undetermined	20
019VL 2	D8g6	RMO-5	UNKNOWN	Undetermined	20
019VL 2	D8h4	TCBO	UNKNOWN	Undetermined	20
019VL 2	D8h5	TDR	UNKNOWN	Undetermined	20
019VL 3	D9a1	APS-1	UNKNOWN	27.473742999999999	20
019VL 3	D9a2	APS-2	UNKNOWN	26.943693	20
019VL 3	D9a3	APS-3	UNKNOWN	30.708497999999999	20
019VL 3	D9a4	APS-4	UNKNOWN	Undetermined	20

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Experiment Name	YXK30
Experiment Run Stop Time	12-06-2024 19:20:36 PM EST
Instrument Name	285880036
Instrument Type	QuantStudio 12K Flex

Sample Name	Well Position	Target Name	Tasks	CT	Volume
019VL 3	D9a5	APS-5	UNKNOWN	Undetermined	20
019VL 3	D9a6	APS-6	UNKNOWN	Undetermined	20
019VL 3	D9a7	APS-7	UNKNOWN	Undetermined	20
019VL 3	D9b4	CER	UNKNOWN	29.337119999999999	20
019VL 3	D9b5	CFR-1	UNKNOWN	Undetermined	20
019VL 3	D9b6	CFR-2	UNKNOWN	Undetermined	20
019VL 3	D9b7	DCA	UNKNOWN	Undetermined	20
019VL 3	D9b8	DCAR-1	UNKNOWN	Undetermined	20
019VL 3	D9c1	DCAR-2	UNKNOWN	Undetermined	20
019VL 3	D9c2	DCAR-3	UNKNOWN	Undetermined	20
019VL 3	D9c3	DCM	UNKNOWN	Undetermined	20
019VL 3	D9c4	DCMA-1	UNKNOWN	Undetermined	20
019VL 3	D9c5	DCMA-2	UNKNOWN	Undetermined	20
019VL 3	D9c6	DCMA-3	UNKNOWN	Undetermined	20
019VL 3	D9c7	DECO	UNKNOWN	38	20
019VL 3	D9c8	DHBt	UNKNOWN	23.941454	20
019VL 3	D9d1	DHG-1	UNKNOWN	31	20
019VL 3	D9d2	DHG-2	UNKNOWN	27.832851000000002	20
019VL 3	D9d3	DSB	UNKNOWN	24.837842999999999	20
019VL 3	D9d4	DSM-1	UNKNOWN	Undetermined	20
019VL 3	D9d5	DSM-2	UNKNOWN	Undetermined	20
019VL 3	D9d7	EtnC-1	UNKNOWN	Undetermined	20
019VL 3	D9d8	EtnC-2	UNKNOWN	Undetermined	20
019VL 3	D9e1	EtnC-3	UNKNOWN	Undetermined	20
019VL 3	D9e2	EtnC-4	UNKNOWN	Undetermined	20

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Experiment Name	YXK30
Experiment Run Stop Time	12-06-2024 19:20:36 PM EST
Instrument Name	285880036
Instrument Type	QuantStudio 12K Flex

Sample Name	Well Position	Target Name	Tasks	CT	Volume
019VL 3	D9e3	EtnE-1	UNKNOWN	Undetermined	20
019VL 3	D9e4	EtnE-2	UNKNOWN	Undetermined	20
019VL 3	D9e5	EtnE-3	UNKNOWN	Undetermined	20
019VL 3	D9e6	PCE-1	UNKNOWN	Undetermined	20
019VL 3	D9e7	PCE-2	UNKNOWN	Undetermined	20
019VL 3	D9e8	PHE-1	UNKNOWN	Undetermined	20
019VL 3	D9f1	PHE-2	UNKNOWN	Undetermined	20
019VL 3	D9f2	PHE-3	UNKNOWN	29.401958	20
019VL 3	D9f3	PHE-4	UNKNOWN	Undetermined	20
019VL 3	D9f5	RDEG-1	UNKNOWN	Undetermined	20
019VL 3	D9f6	RDEG-2	UNKNOWN	Undetermined	20
019VL 3	D9f7	RDEG-3	UNKNOWN	Undetermined	20
019VL 3	D9f8	RMO-1	UNKNOWN	Undetermined	20
019VL 3	D9g3	RMO-2	UNKNOWN	Undetermined	20
019VL 3	D9g4	RMO-3	UNKNOWN	Undetermined	20
019VL 3	D9g5	RMO-4	UNKNOWN	Undetermined	20
019VL 3	D9g6	RMO-5	UNKNOWN	Undetermined	20
019VL 3	D9h4	TCBO	UNKNOWN	Undetermined	20
019VL 3	D9h5	TDR	UNKNOWN	Undetermined	20
NEG	D12a1	APS-1	UNKNOWN	Undetermined	1
NEG	D12a2	APS-2	UNKNOWN	Undetermined	1
NEG	D12a3	APS-3	UNKNOWN	Undetermined	1
NEG	D12a4	APS-4	UNKNOWN	Undetermined	1
NEG	D12a5	APS-5	UNKNOWN	Undetermined	1
NEG	D12a6	APS-6	UNKNOWN	Undetermined	1

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Experiment Name	YXK30
Experiment Run Stop Time	12-06-2024 19:20:36 PM EST
Instrument Name	285880036
Instrument Type	QuantStudio 12K Flex

Sample Name	Well Position	Target Name	Tasks	CT	Volume
NEG	D12a7	APS-7	UNKNOWN	Undetermined	1
NEG	D12b4	CER	UNKNOWN	Undetermined	1
NEG	D12b5	CFR-1	UNKNOWN	Undetermined	1
NEG	D12b6	CFR-2	UNKNOWN	Undetermined	1
NEG	D12b7	DCA	UNKNOWN	Undetermined	1
NEG	D12b8	DCAR-1	UNKNOWN	Undetermined	1
NEG	D12c1	DCAR-2	UNKNOWN	Undetermined	1
NEG	D12c2	DCAR-3	UNKNOWN	Undetermined	1
NEG	D12c3	DCM	UNKNOWN	Undetermined	1
NEG	D12c4	DCMA-1	UNKNOWN	Undetermined	1
NEG	D12c5	DCMA-2	UNKNOWN	Undetermined	1
NEG	D12c6	DCMA-3	UNKNOWN	Undetermined	1
NEG	D12c7	DECO	UNKNOWN	Undetermined	1
NEG	D12c8	DHBt	UNKNOWN	Undetermined	1
NEG	D12d1	DHG-1	UNKNOWN	Undetermined	1
NEG	D12d2	DHG-2	UNKNOWN	Undetermined	1
NEG	D12d3	DSB	UNKNOWN	Undetermined	1
NEG	D12d4	DSM-1	UNKNOWN	Undetermined	1
NEG	D12d5	DSM-2	UNKNOWN	Undetermined	1
NEG	D12d7	EtnC-1	UNKNOWN	Undetermined	1
NEG	D12d8	EtnC-2	UNKNOWN	Undetermined	1
NEG	D12e1	EtnC-3	UNKNOWN	Undetermined	1
NEG	D12e2	EtnC-4	UNKNOWN	Undetermined	1
NEG	D12e3	EtnE-1	UNKNOWN	Undetermined	1
NEG	D12e4	EtnE-2	UNKNOWN	Undetermined	1

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Date Created	12-06-2024 17:13:18 PM EST
Experiment Name	YXK30
Experiment Run Stop Time	12-06-2024 19:20:36 PM EST
Instrument Name	285880036
Instrument Type	QuantStudio 12K Flex

Sample Name	Well Position	Target Name	Tasks	CT	Volume
NEG	D12e5	EtnE-3	UNKNOWN	Undetermined	1
NEG	D12e6	PCE-1	UNKNOWN	Undetermined	1
NEG	D12e7	PCE-2	UNKNOWN	Undetermined	1
NEG	D12e8	PHE-1	UNKNOWN	Undetermined	1
NEG	D12f1	PHE-2	UNKNOWN	Undetermined	1
NEG	D12f2	PHE-3	UNKNOWN	Undetermined	1
NEG	D12f3	PHE-4	UNKNOWN	Undetermined	1
NEG	D12f5	RDEG-1	UNKNOWN	Undetermined	1
NEG	D12f6	RDEG-2	UNKNOWN	Undetermined	1
NEG	D12f7	RDEG-3	UNKNOWN	Undetermined	1
NEG	D12f8	RMO-1	UNKNOWN	Undetermined	1
NEG	D12g3	RMO-2	UNKNOWN	Undetermined	1
NEG	D12g4	RMO-3	UNKNOWN	Undetermined	1
NEG	D12g5	RMO-4	UNKNOWN	Undetermined	1
NEG	D12g6	RMO-5	UNKNOWN	Undetermined	1
NEG	D12h4	TCBO	UNKNOWN	Undetermined	1
NEG	D12h5	TDR	UNKNOWN	Undetermined	1
RDEG1 pos	D11f5	RDEG-1	UNKNOWN	19.425668999999999	1

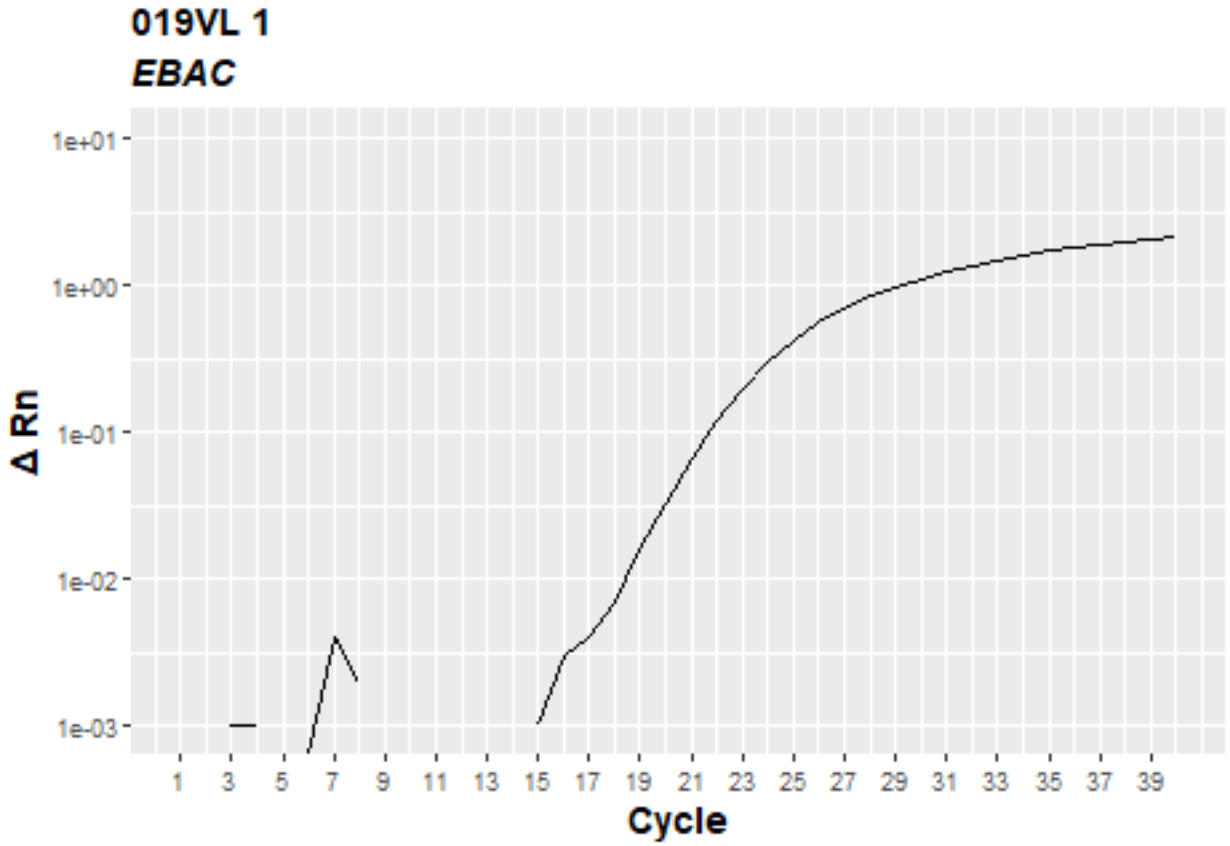
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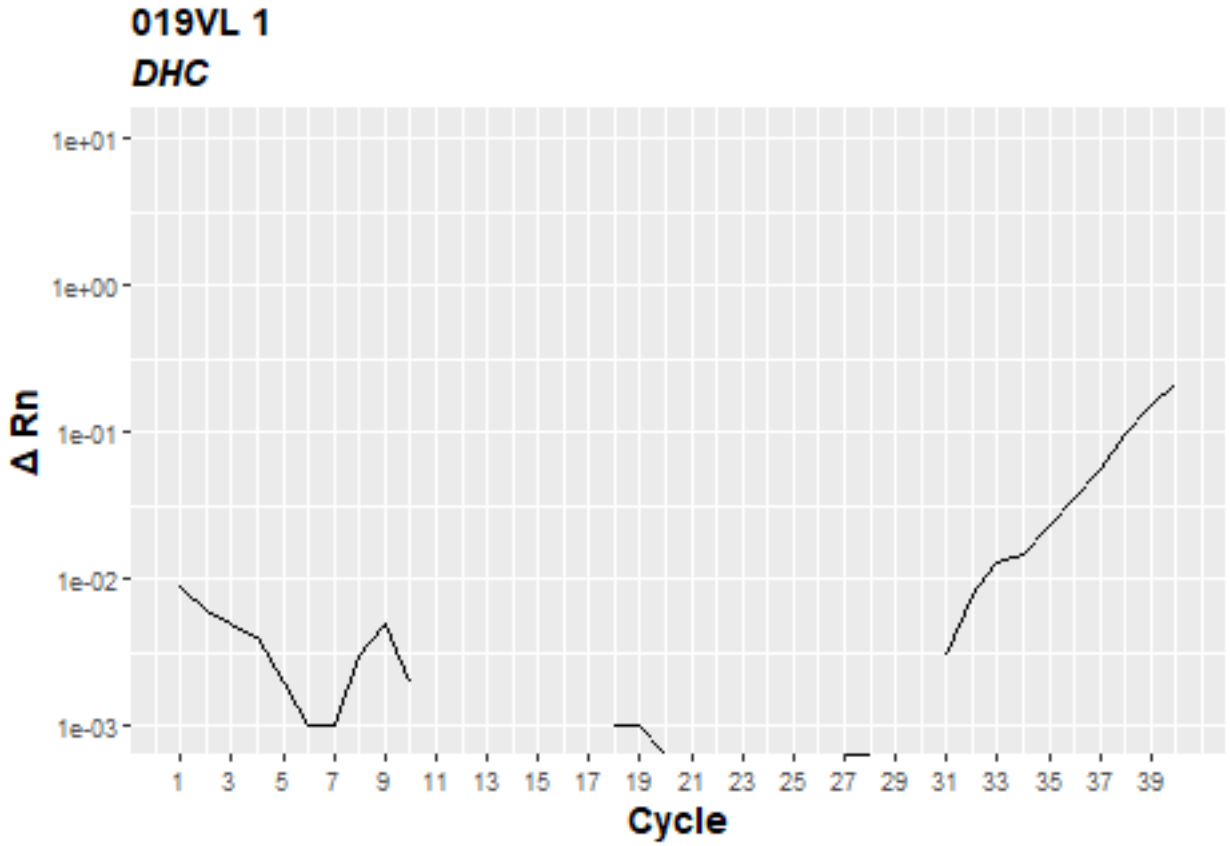
DNA Quantitative Summary

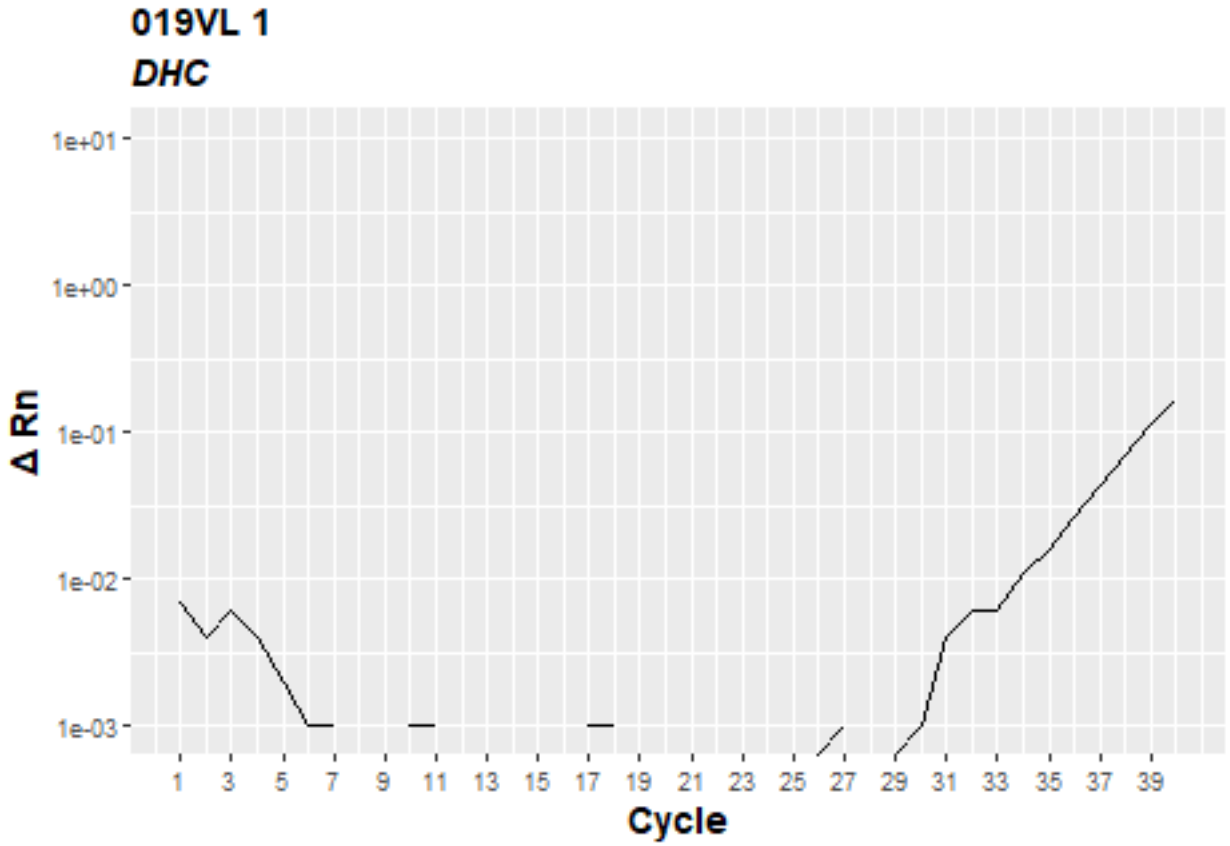
Lab Name:	**Microbial Insights**	Lab Sample ID:	019VL BLK
Lab Code:	MI	Sample File ID:	019VL.sds.
Matrix:	Std. Bio-Trap	Date Analyzed	12/17/2024

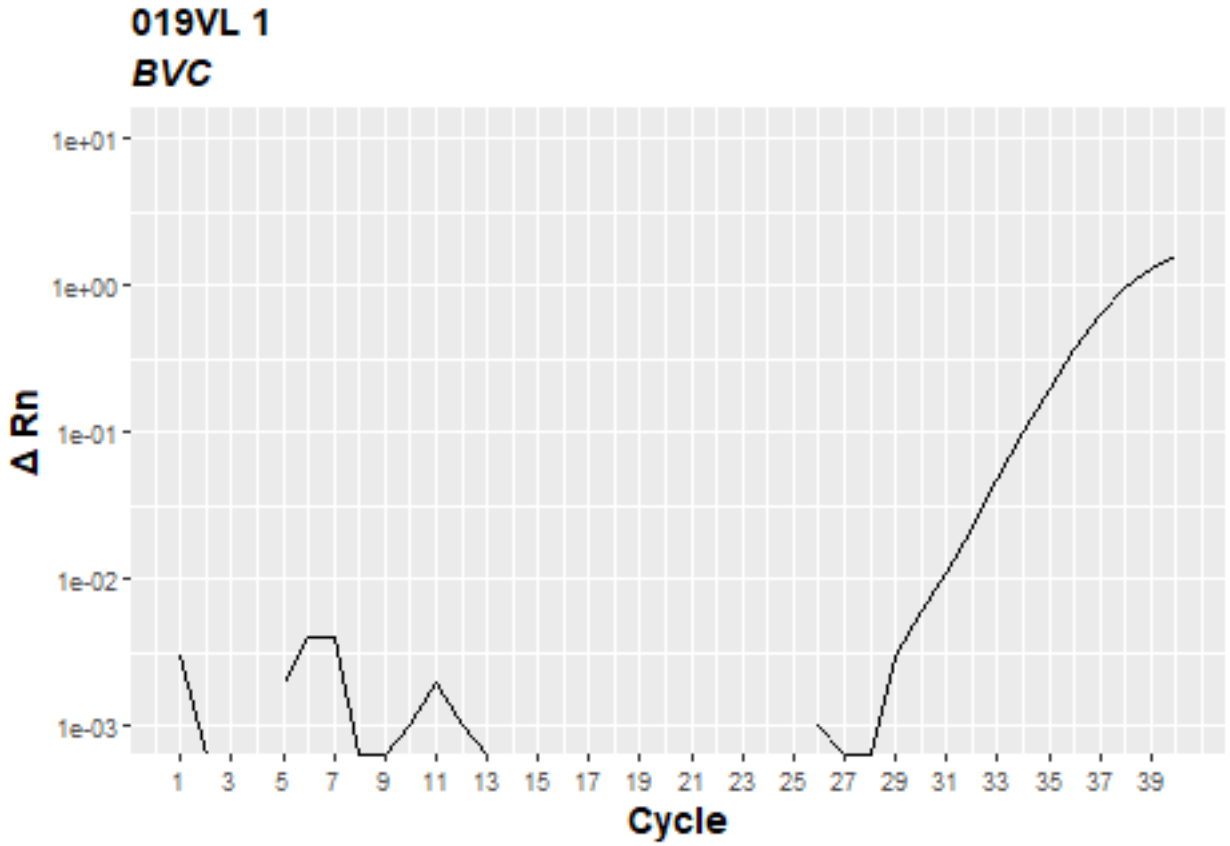
Time Analyzed: 14:00

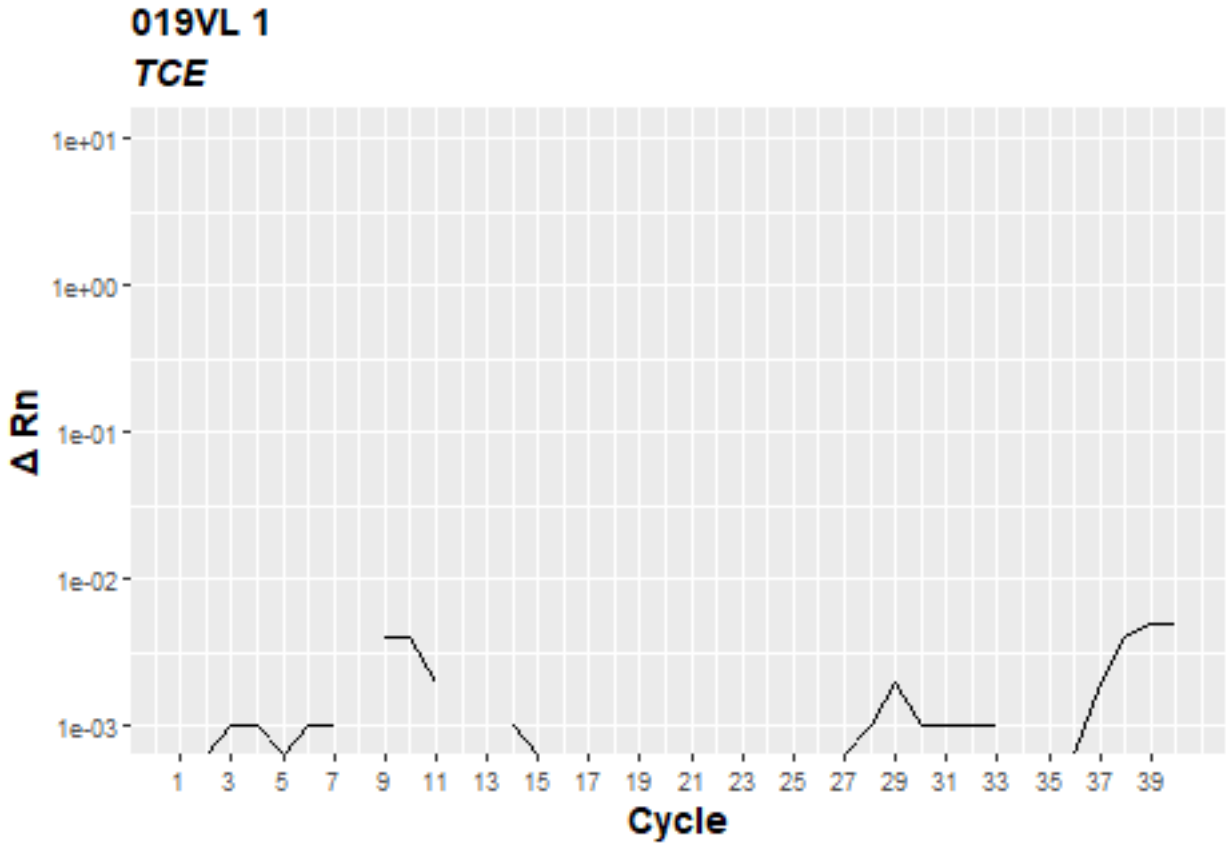
Sample ID	Sample Volume (Bead)	Lab Sample ID	Lab File ID
MW-11A-BT-01-20241204	20	019VL 1	019VL.eds
MW-53-BT-02-20241204	20	019VL 2	019VL.eds
MW-26A-BT-03-20241204	20	019VL 3	019VL.eds

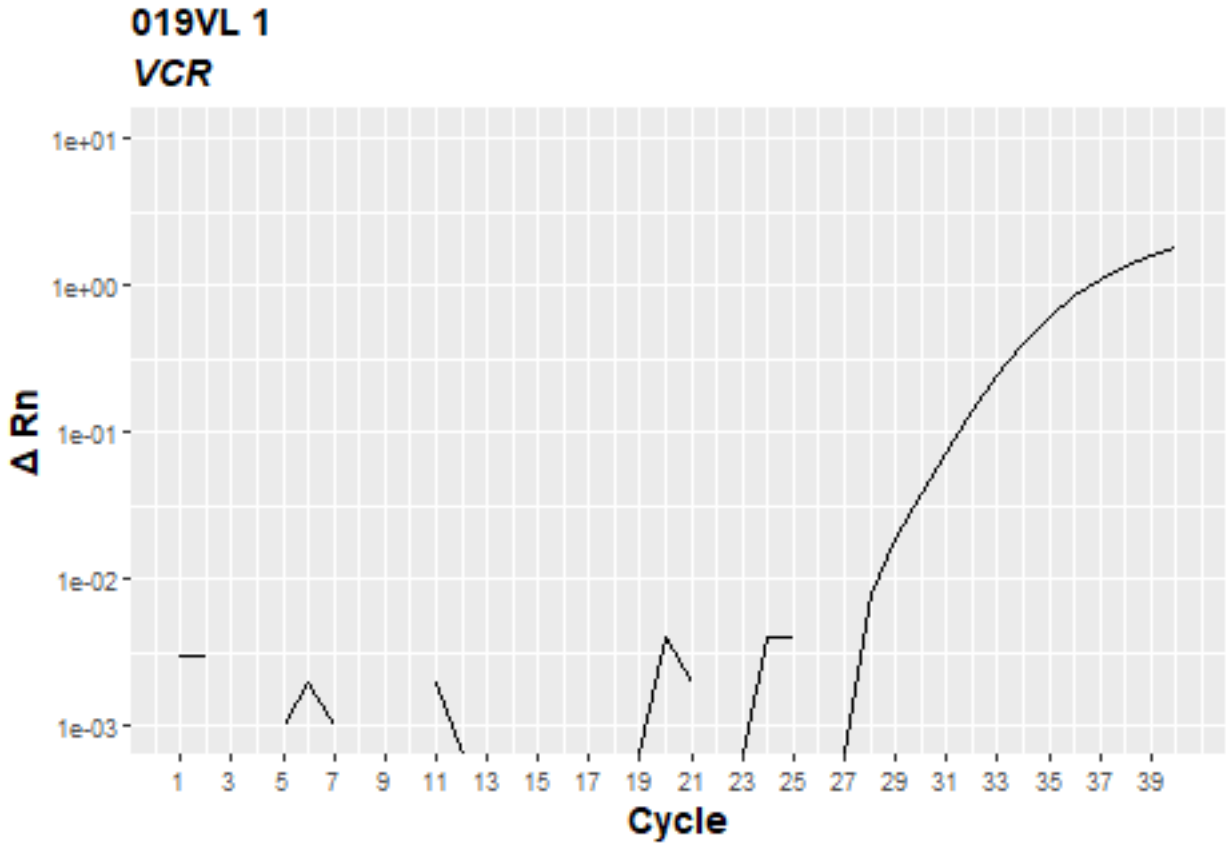

019VL 1
EBAC
1e+01
1e+00
1e-01
1e-02
1e-03
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

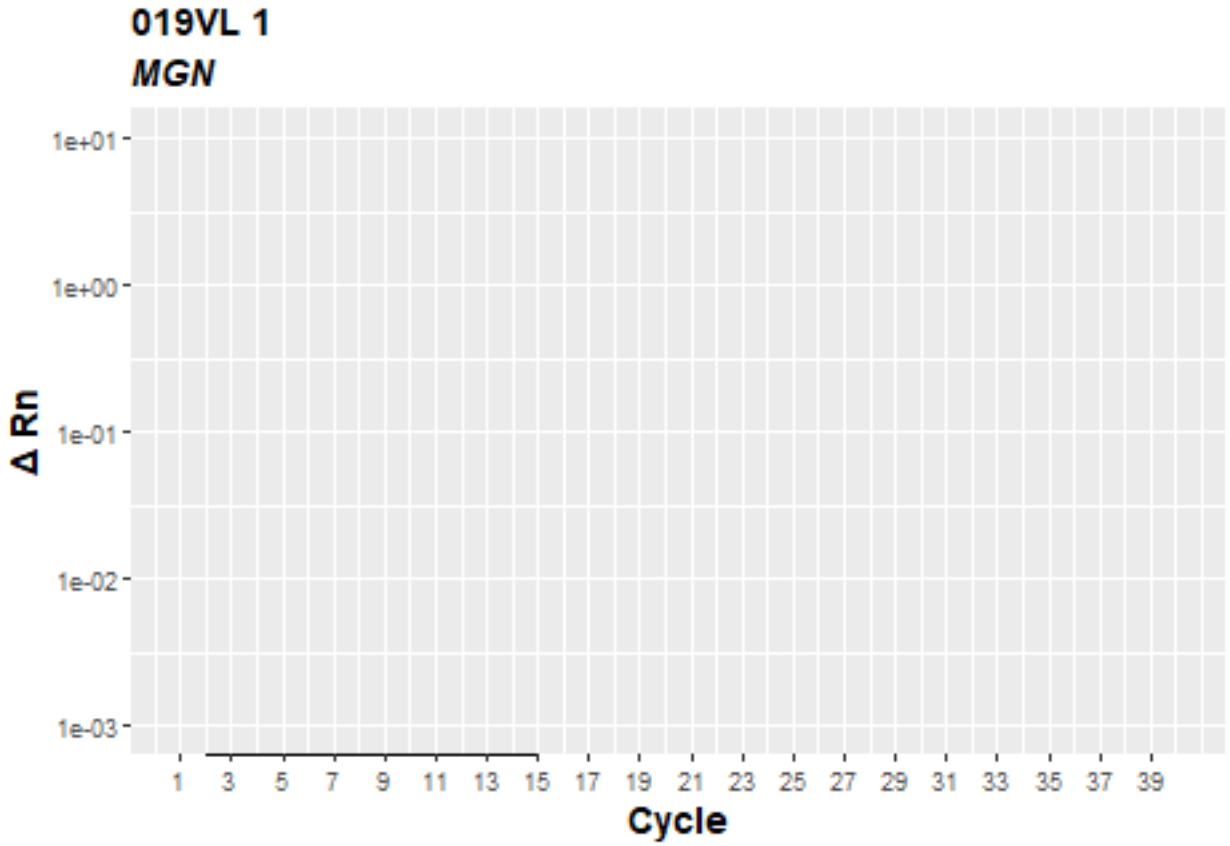

019VL 1
DHC
1e+01
1e+00
1e-01
1e-02
1e-03
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

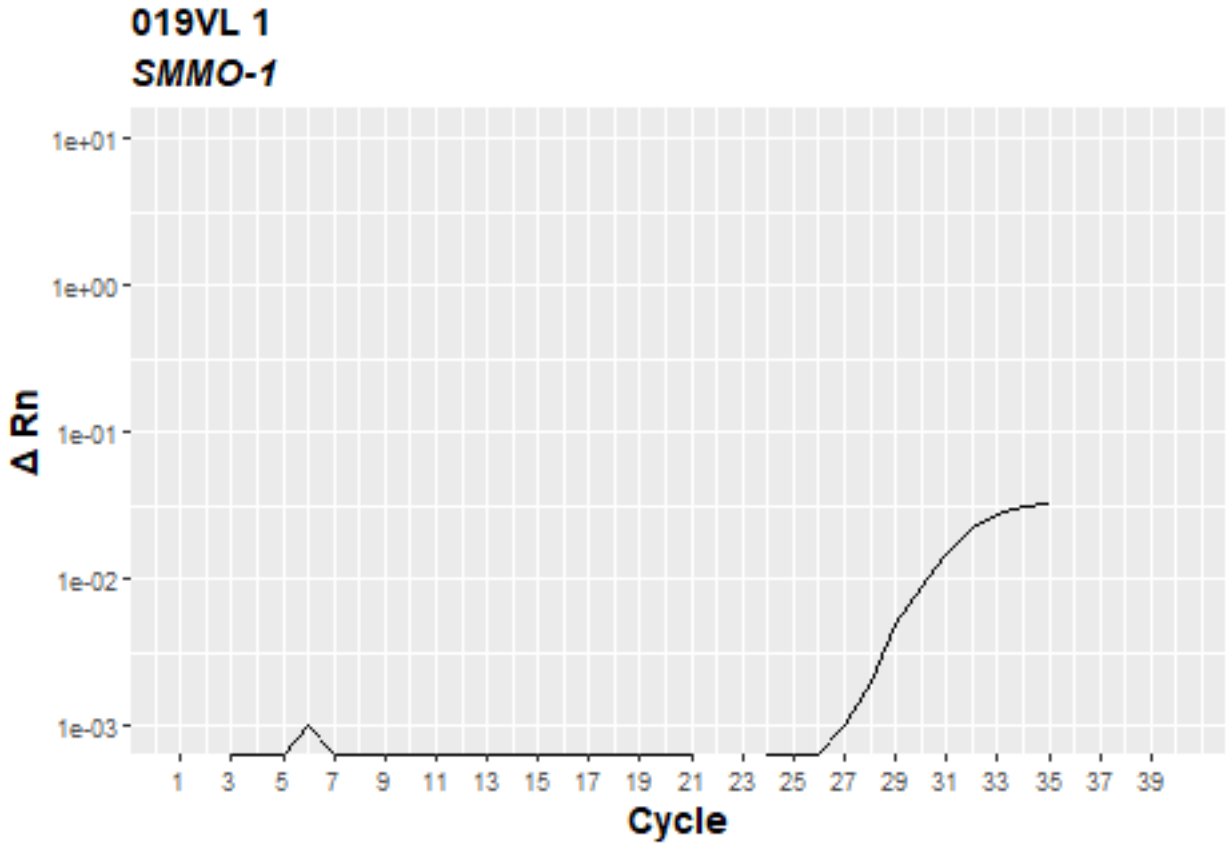

019VL 1
DHC
ΔRn
1e+01
1e+00
1e-01
1e-02
1e-03
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle


019VL 1
BVC
1e+01
1e+00
1e-01
1e-02
1e-03
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

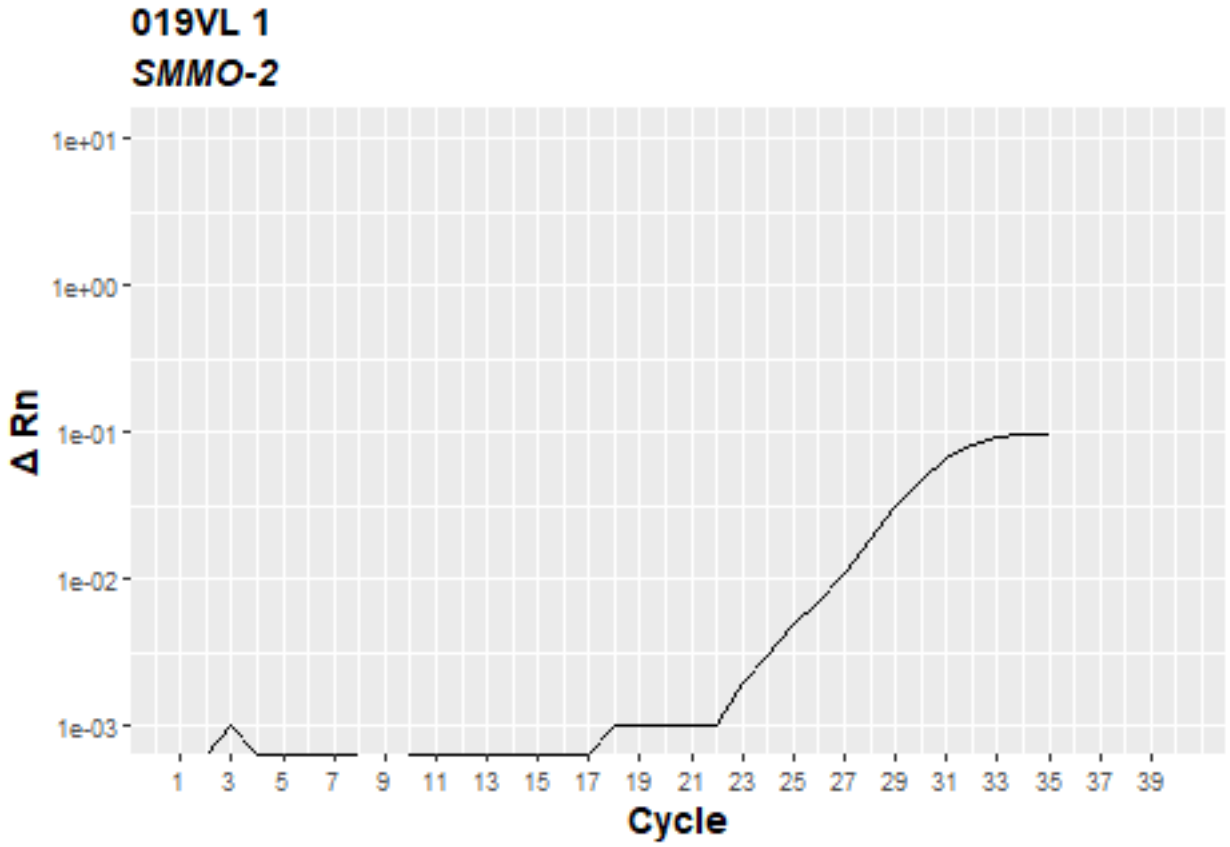

019VL 1
TCE
1e+01
1e+00
1e-01
1e-02
1e-03
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle


019VL 1
VCR
ΔRn
1e+01
1e+00
1e-01
1e-02
1e-03
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

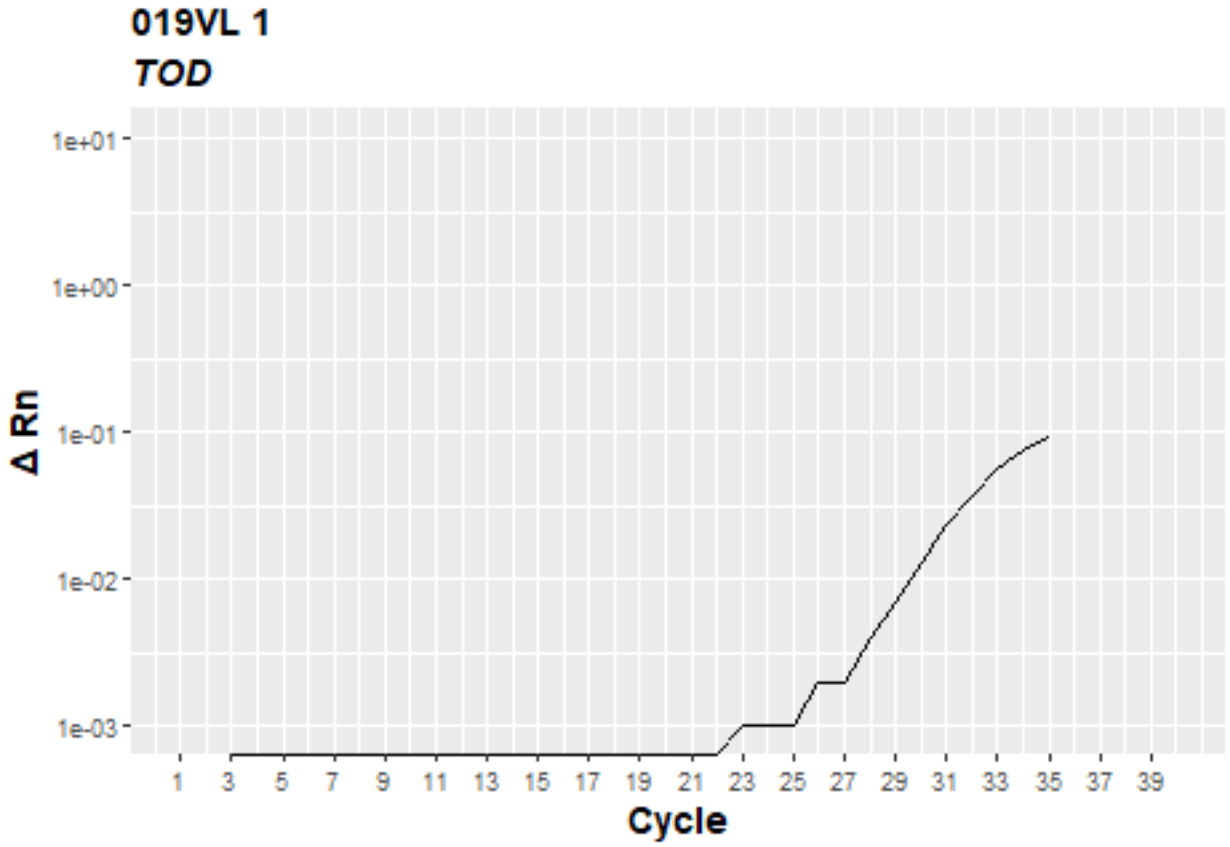

019VL 1
MGN
1e+01
1e+00
1e-01
1e-02
1e-03
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle



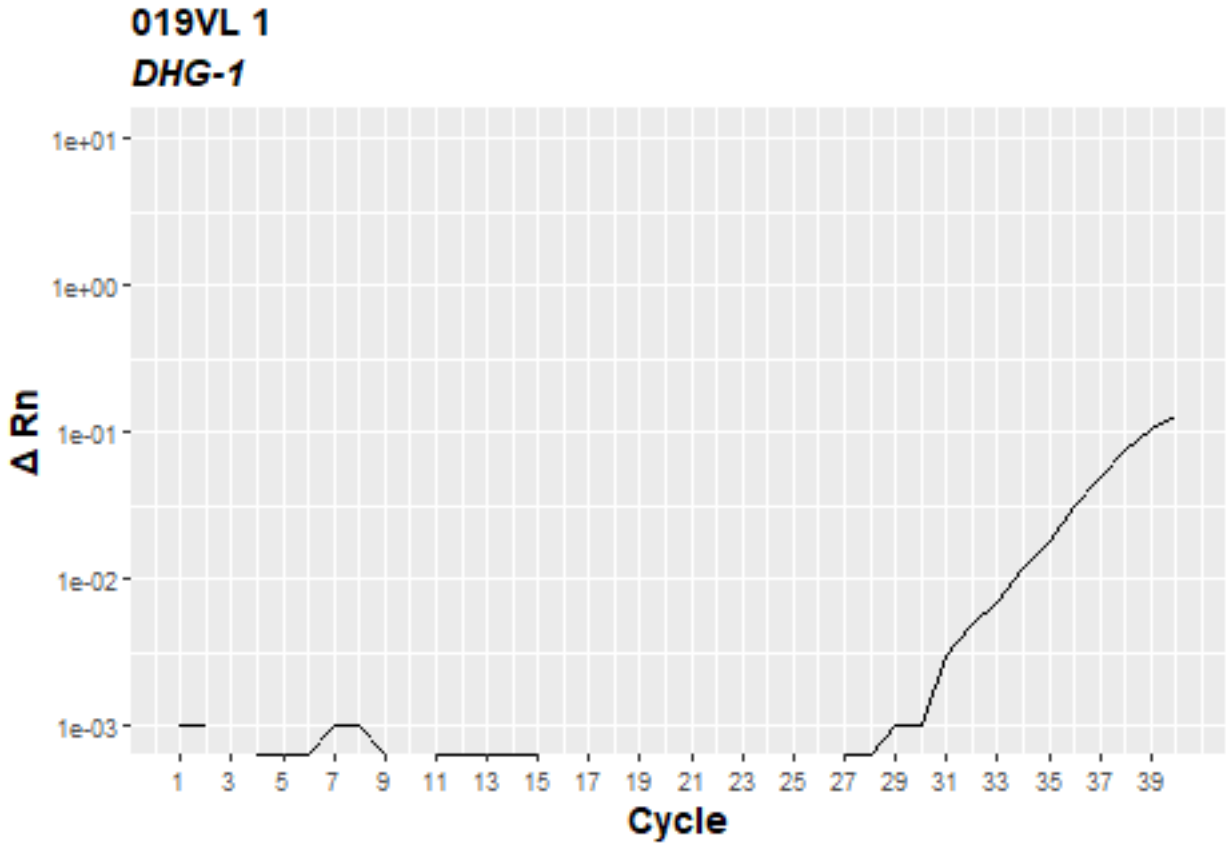
Comments: SMMO-1 for 019VL-1 was manually called 'Undetermined' because it did not match the melting temperature of the positive control.

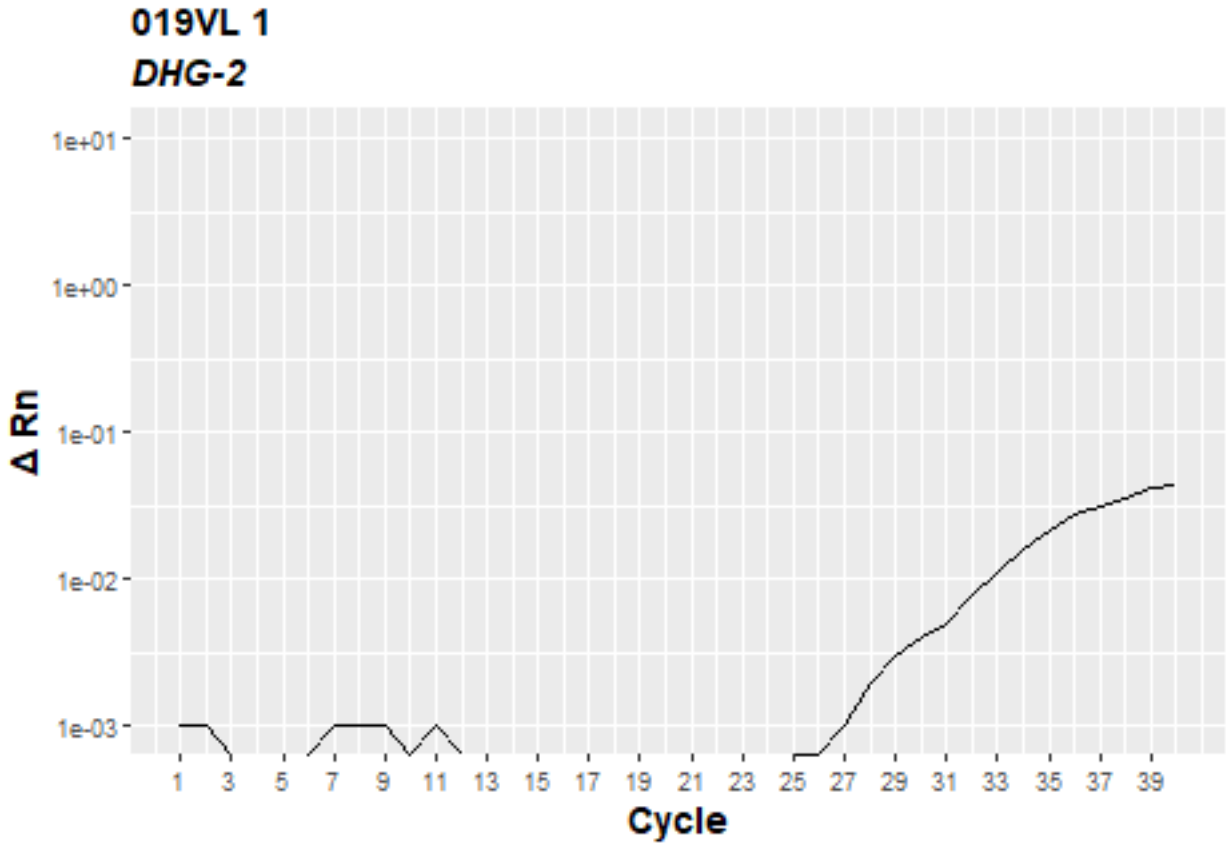


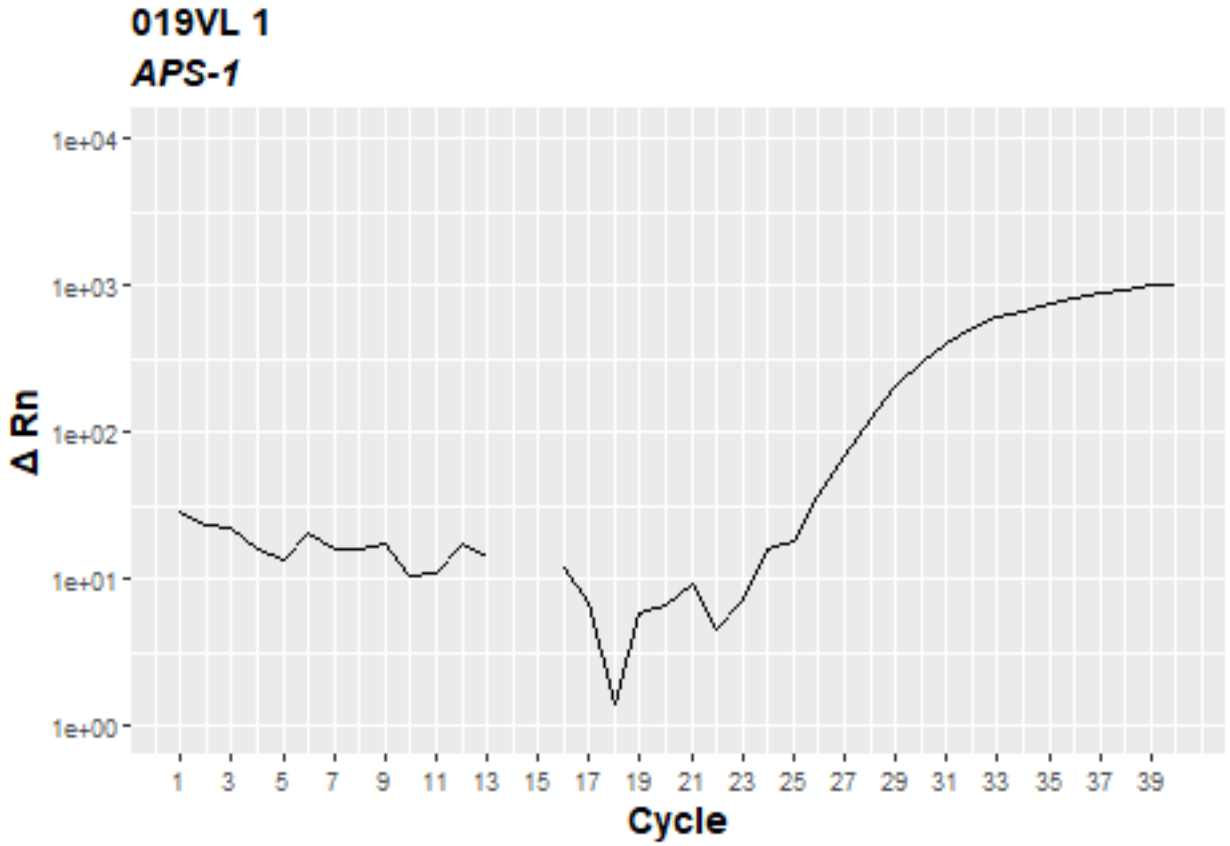
Comments: SMMO-2 for 019VL-1 was manually called 'Undetermined' because it did not match the melting temperature of the positive control.

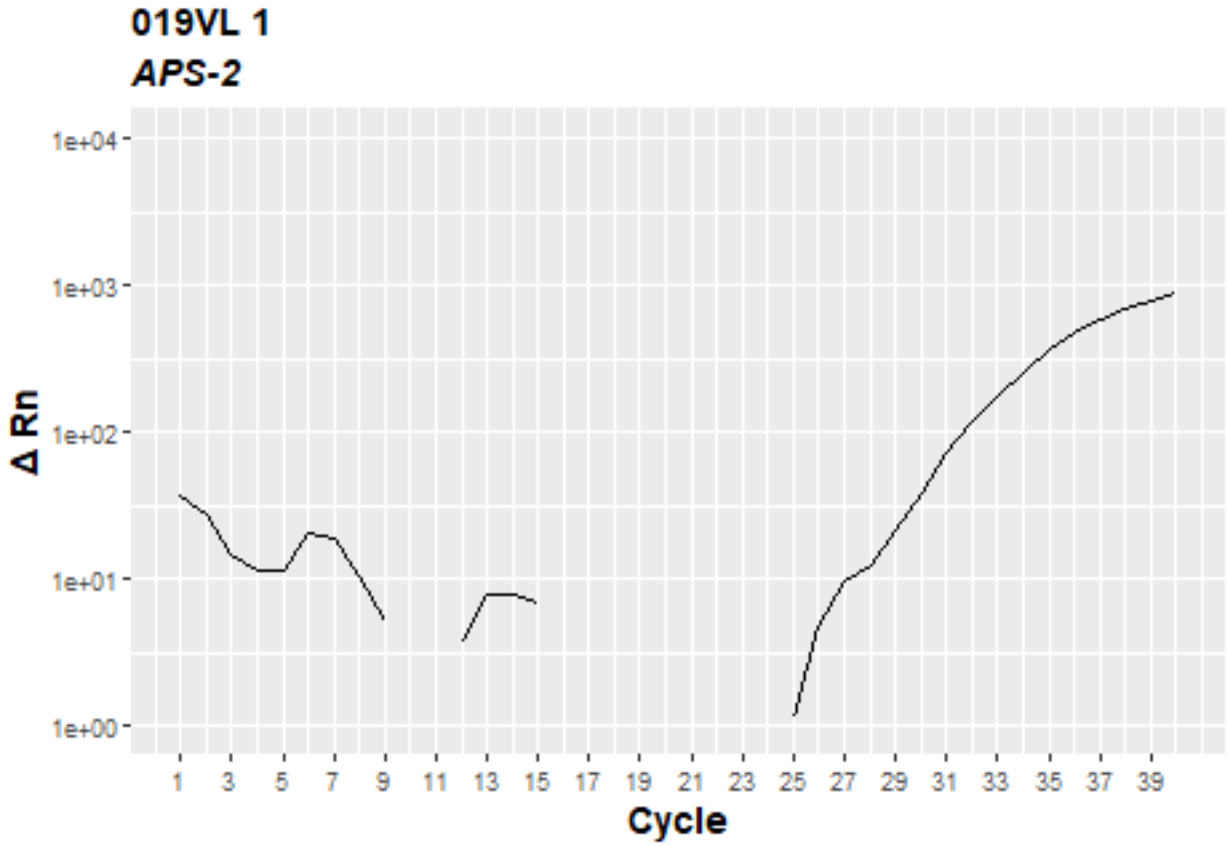


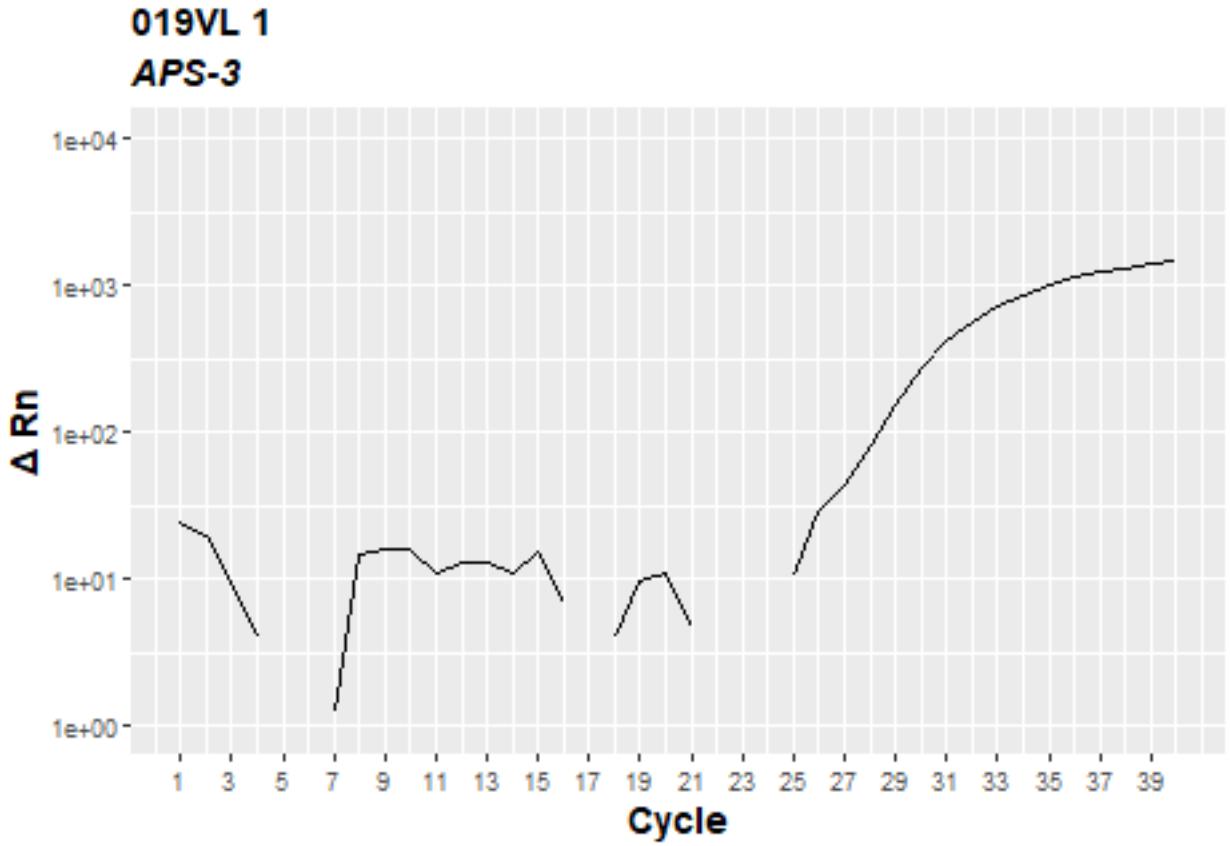
Comments: TOD for 019VL-1 was manually called 'Undetermined' because it did not match the melting temperature of the positive control.

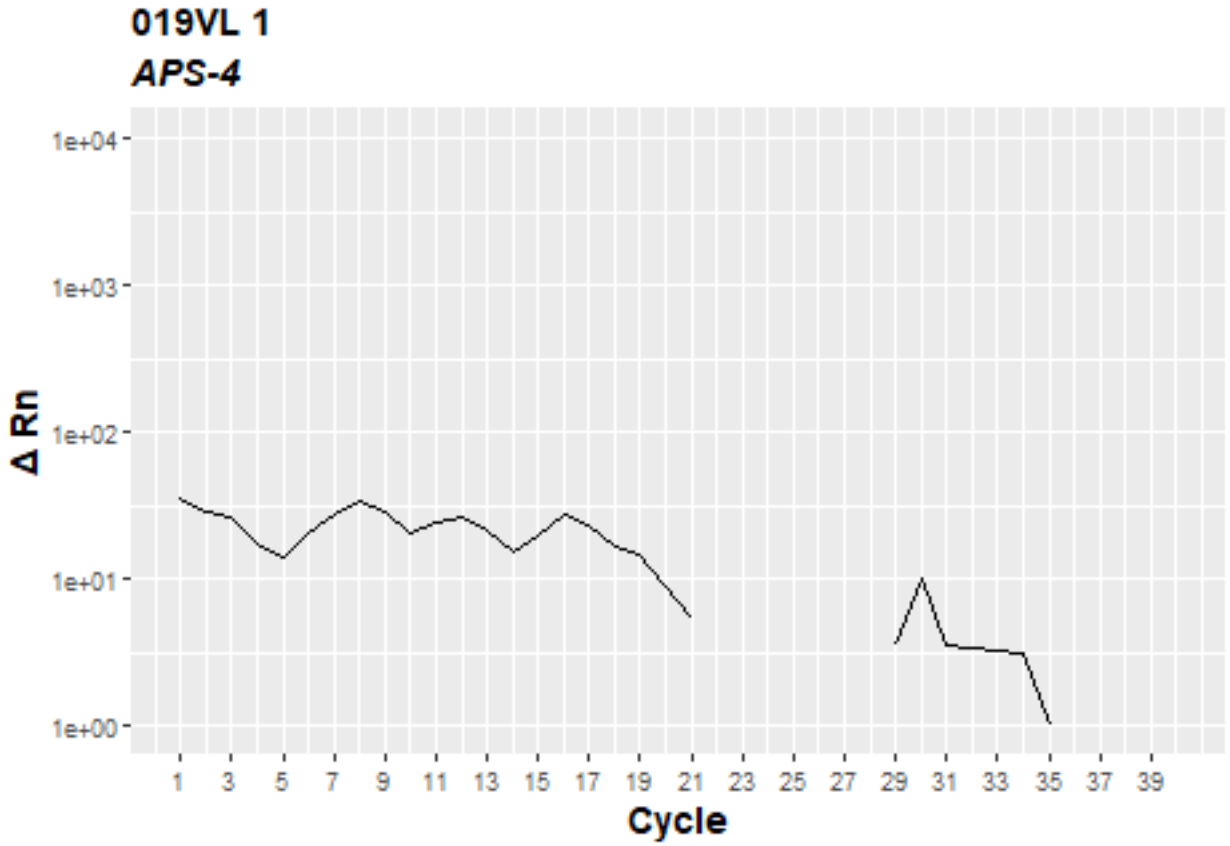

019VL 1
DHG-1
1e+01
1e+00
1e-01
1e-02
1e-03
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

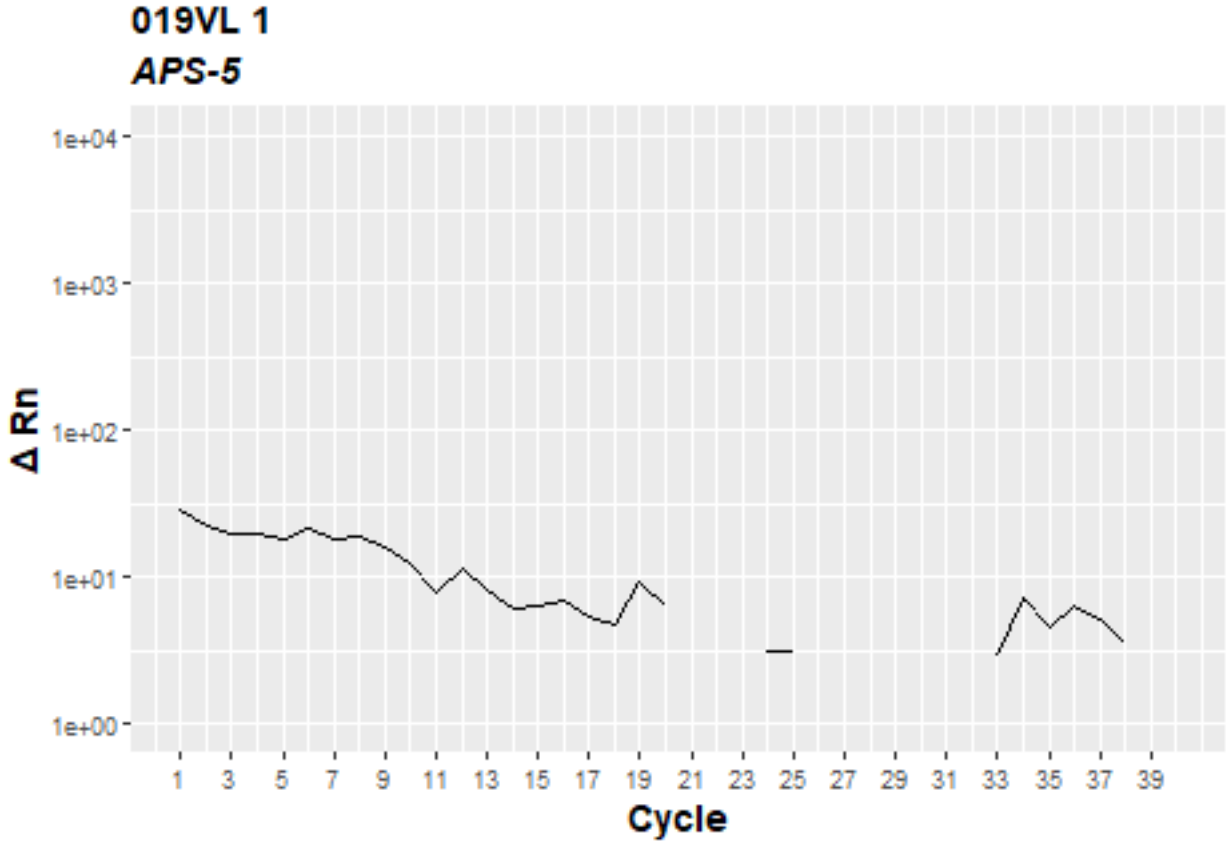

019VL 1
DHG-2
ΔRn
1e+01
1e+00
1e-01
1e-02
1e-03
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

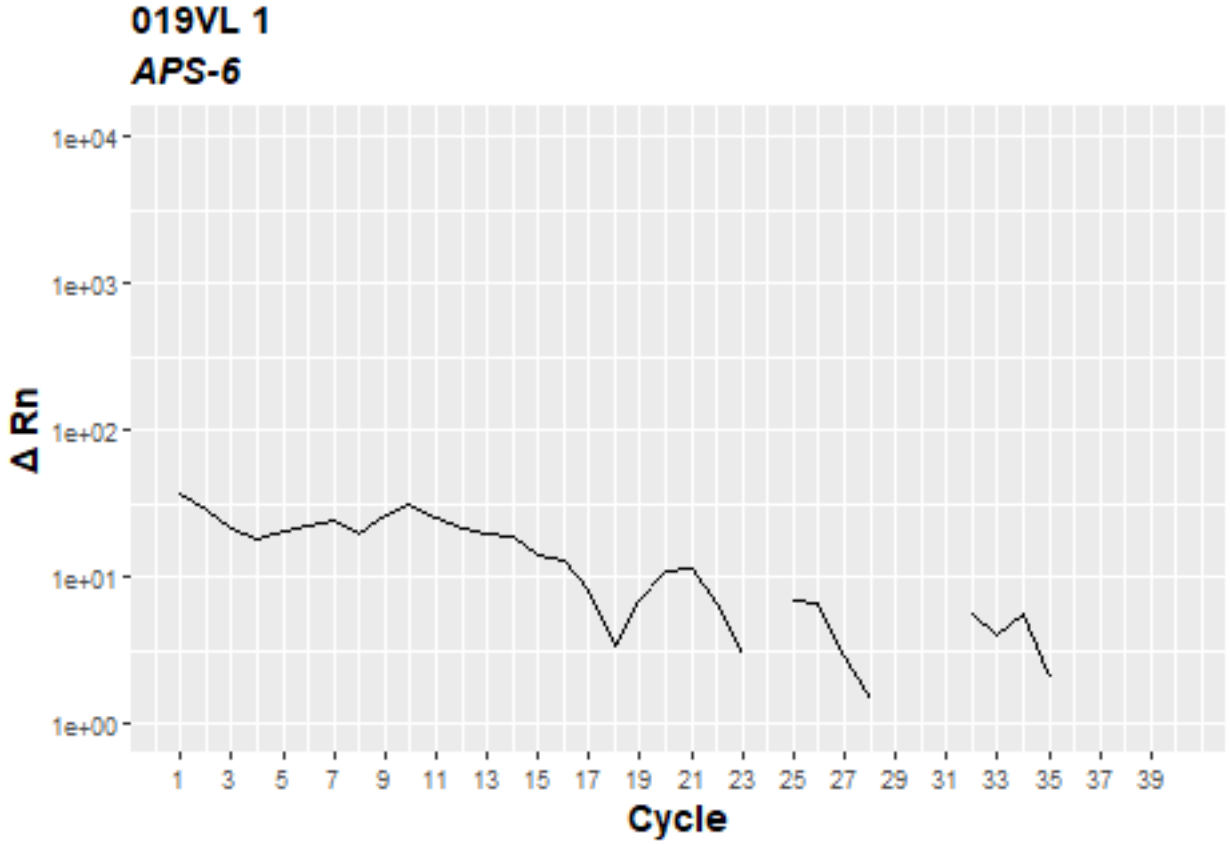

019VL 1
APS-1
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

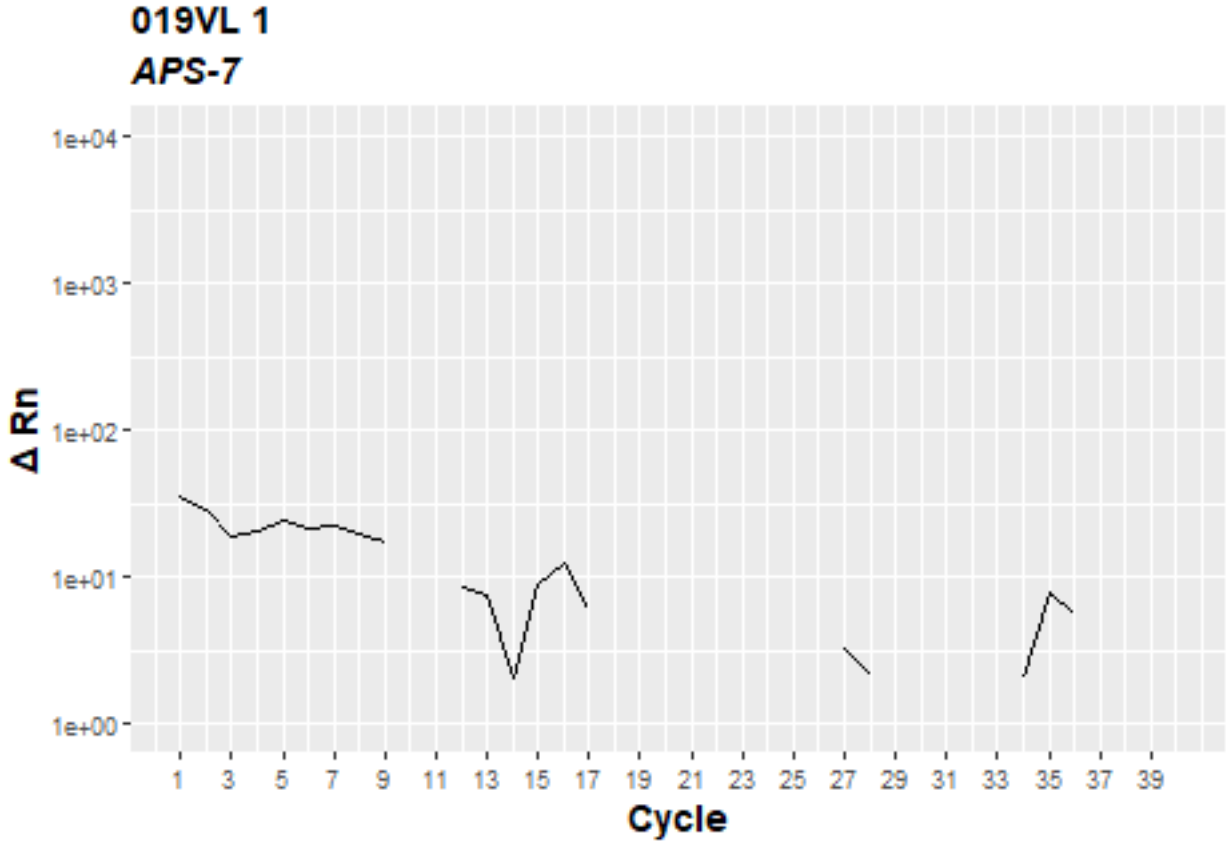

019VL 1
APS-2
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

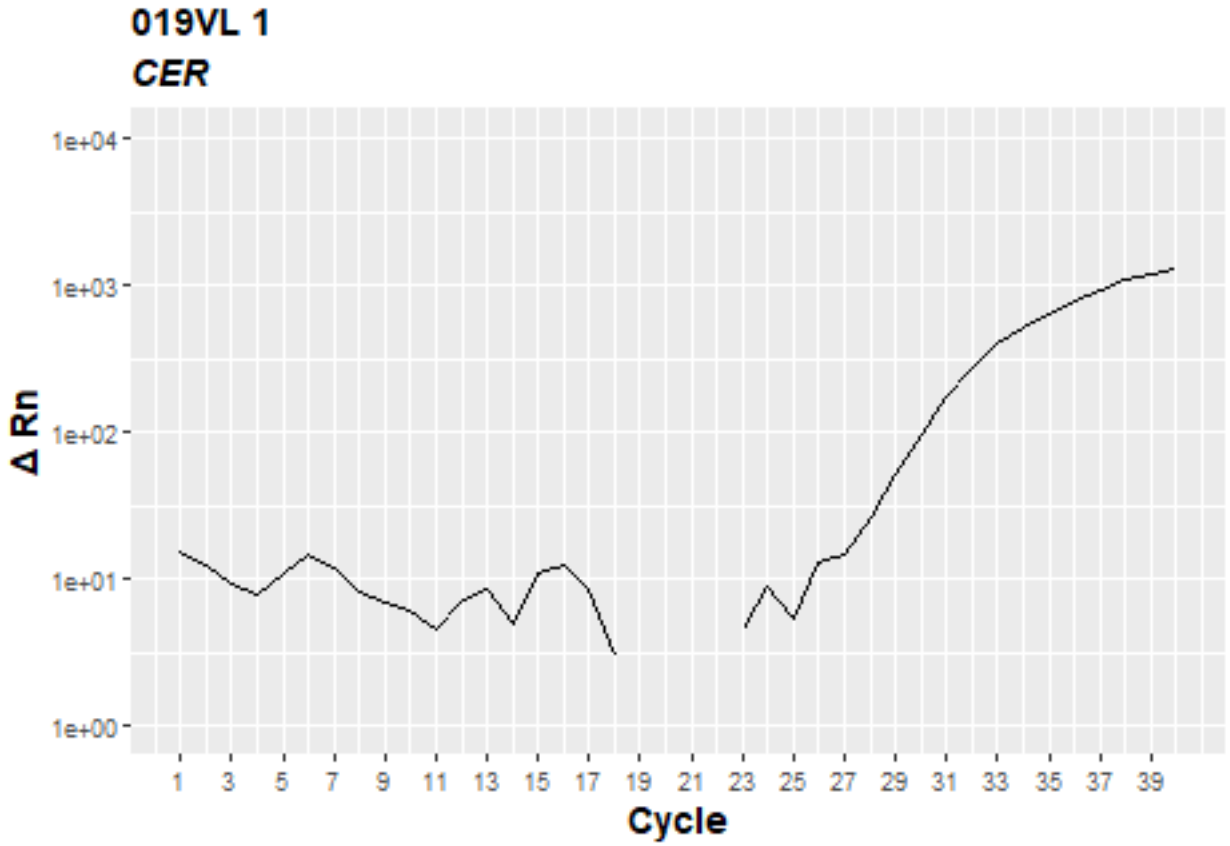

019VL 1
APS-3
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

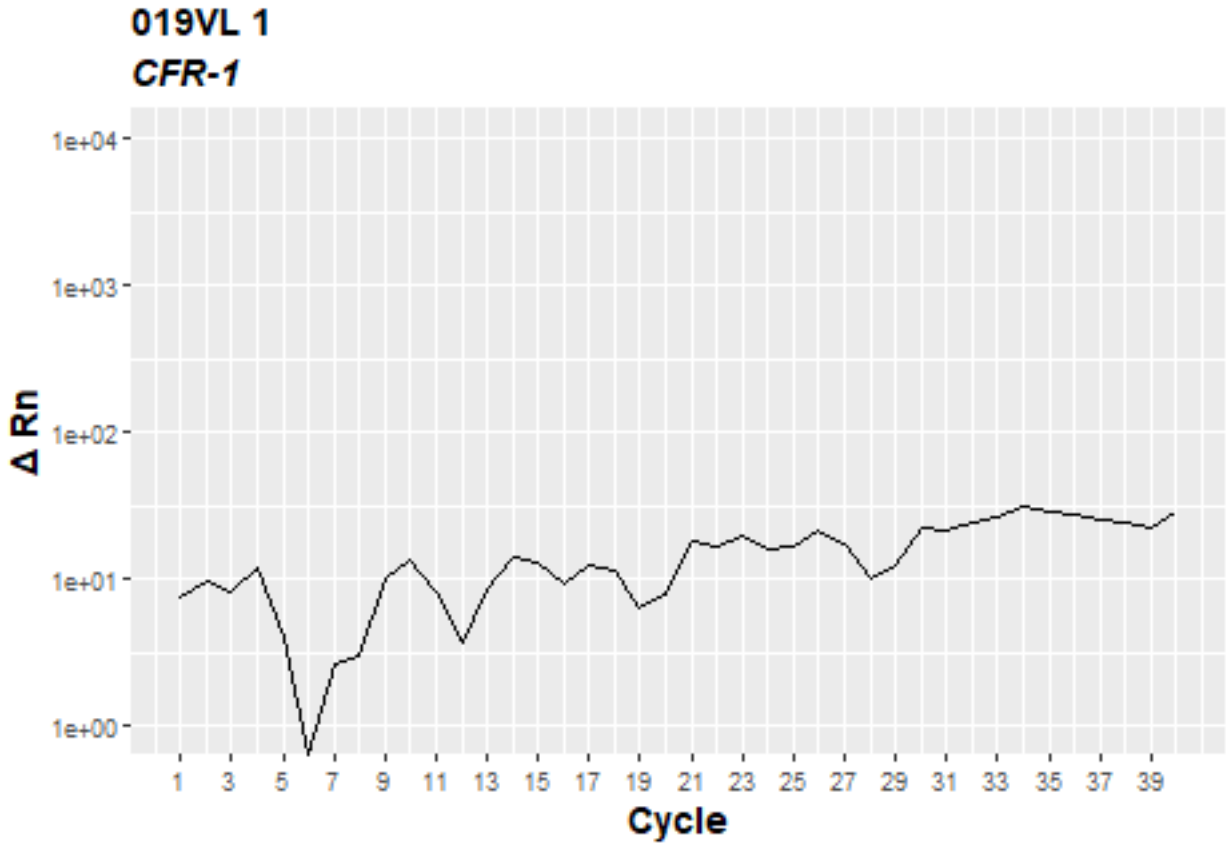

019VL 1
APS-4
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

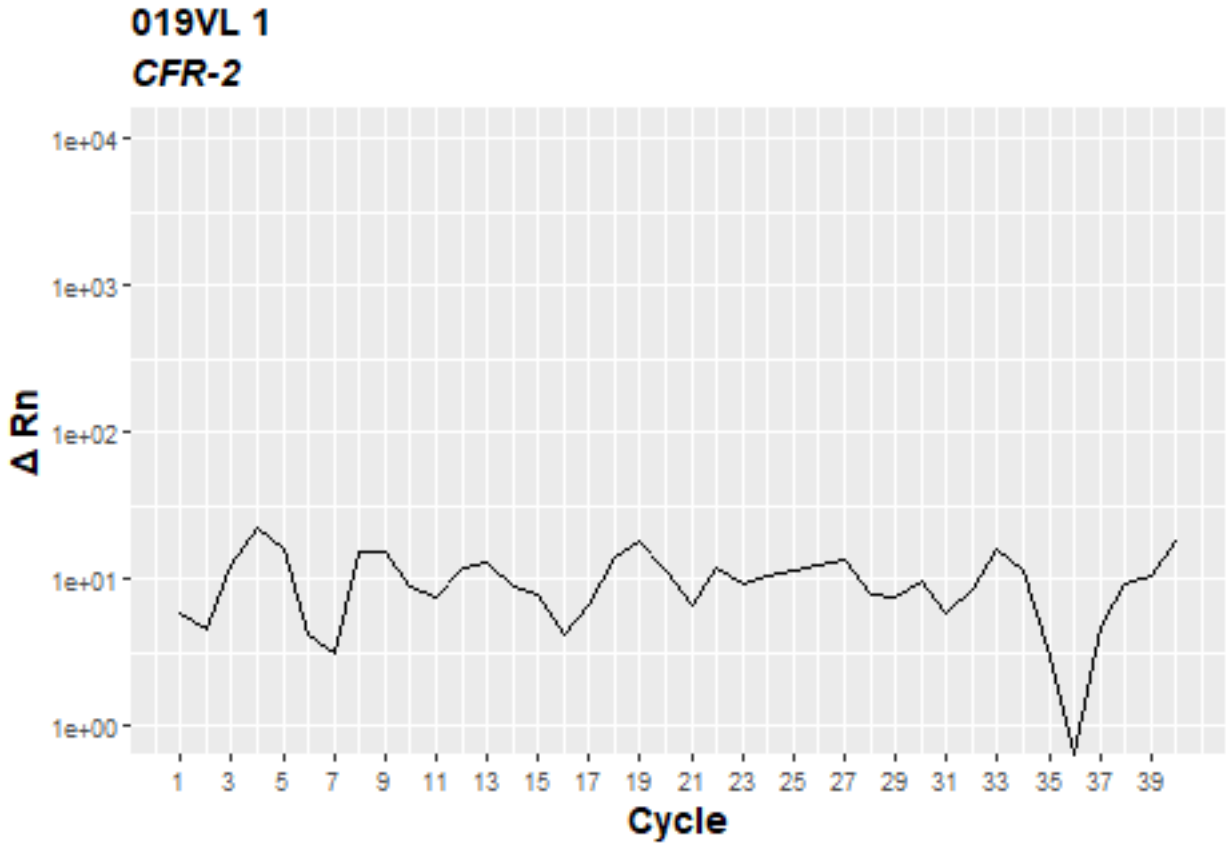

019VL 1
APS-5
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

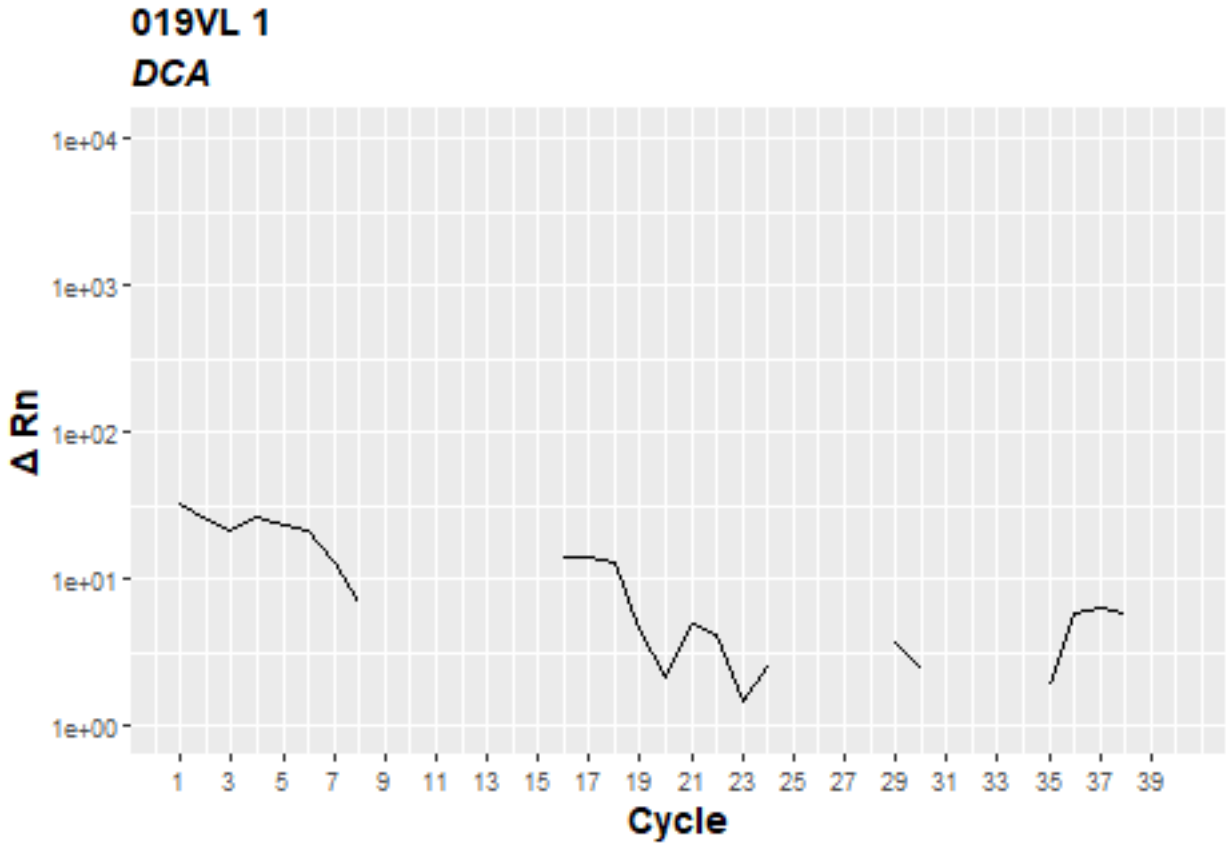

019VL 1
APS-6
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

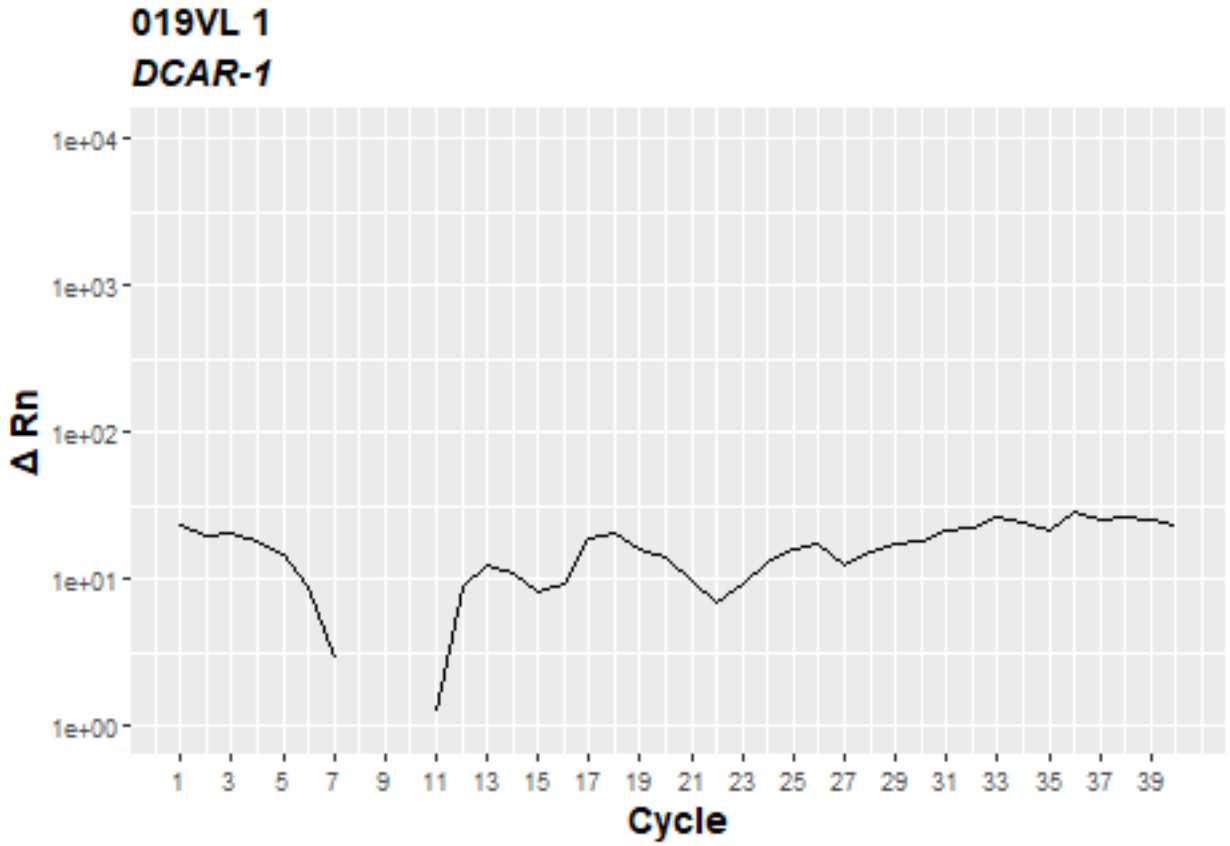

019VL 1
APS-7
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

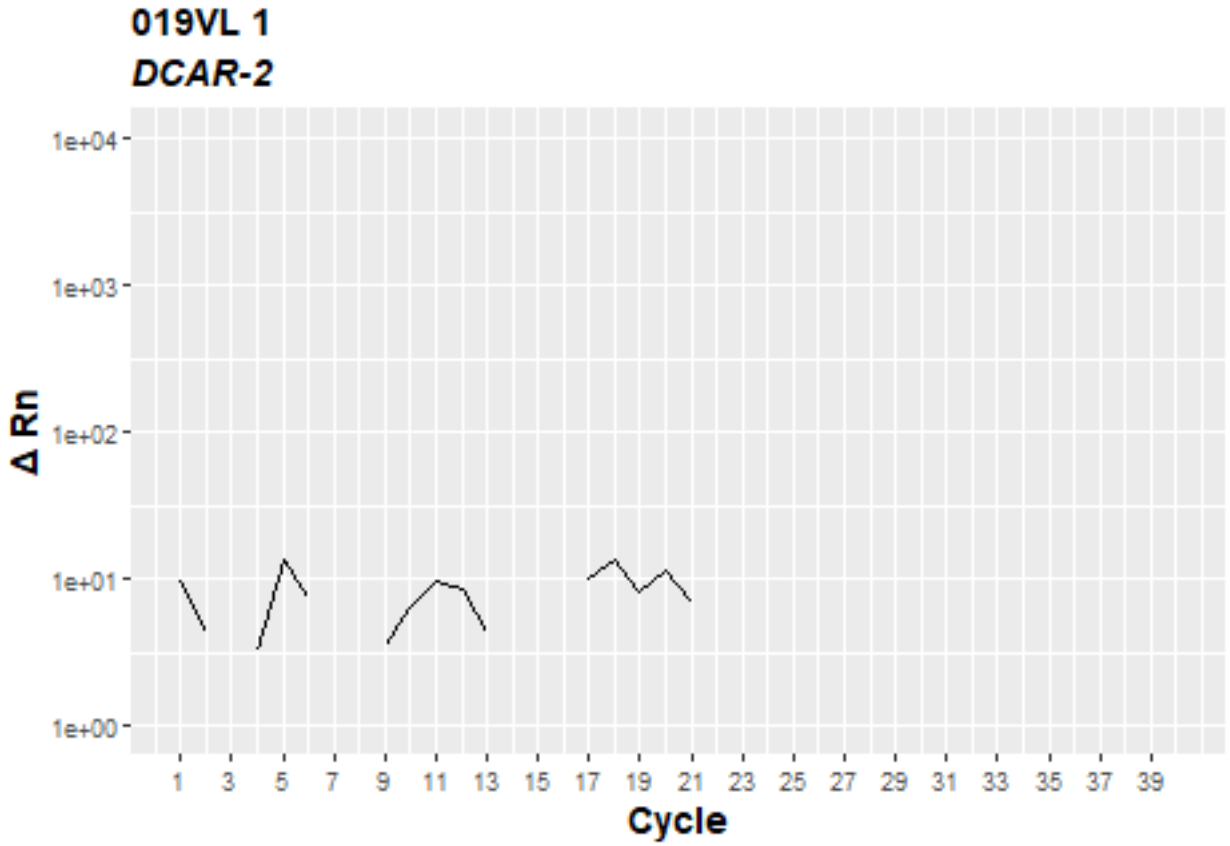

019VL 1
CER
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

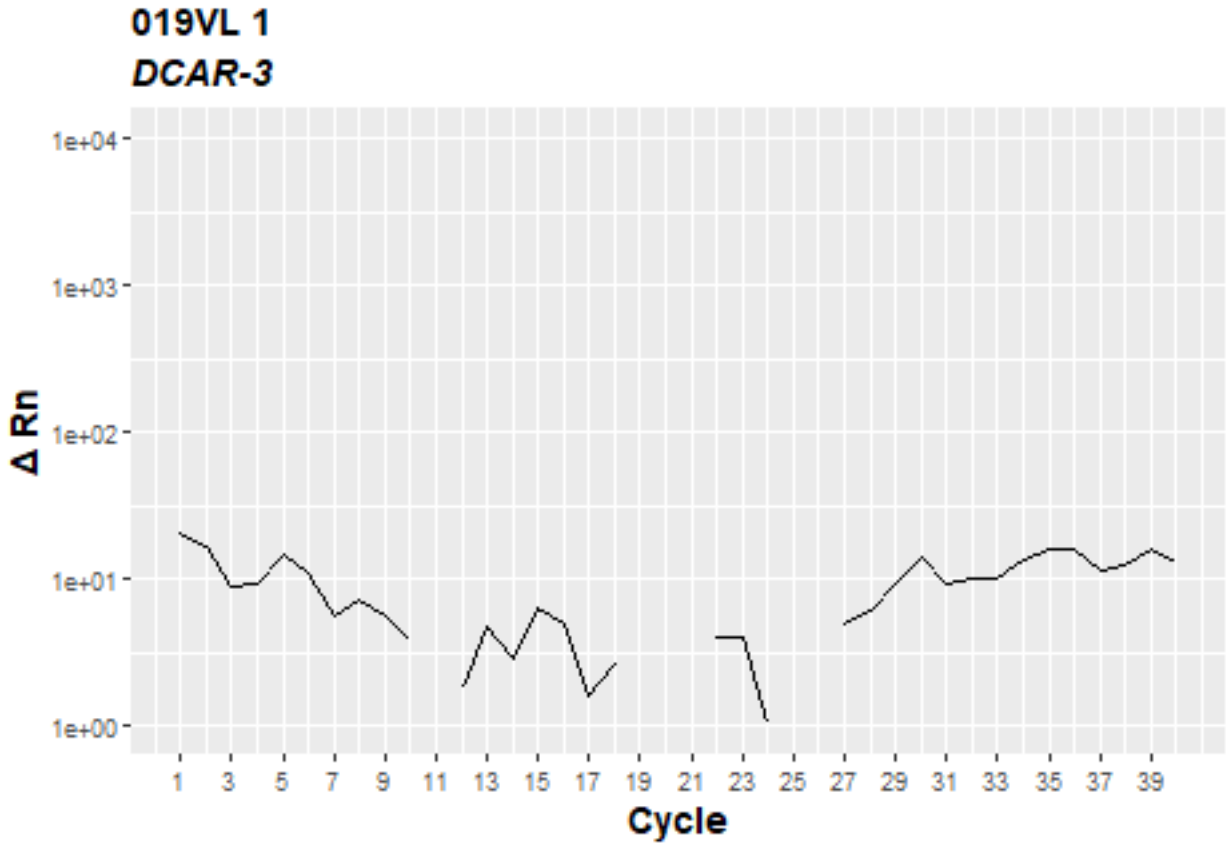

019VL 1
CFR-1
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

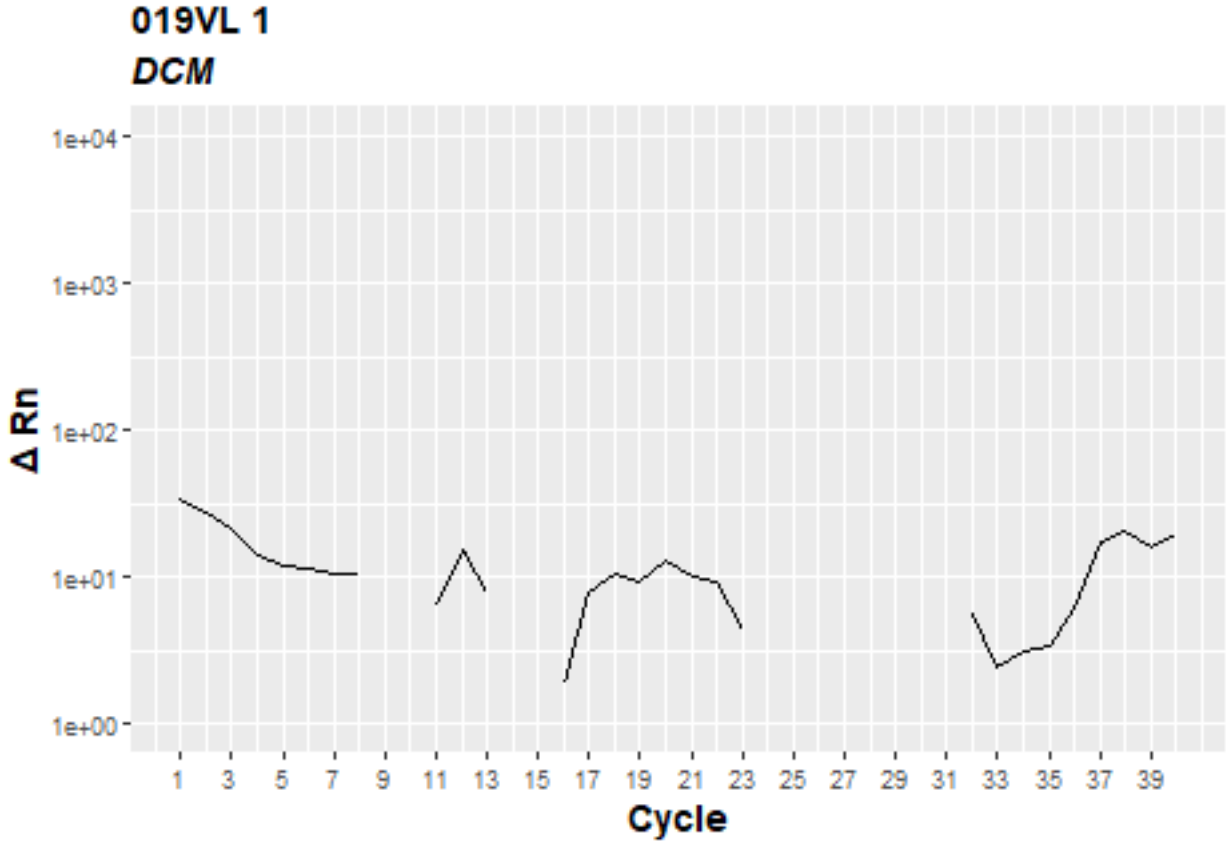

019VL 1
CFR-2
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

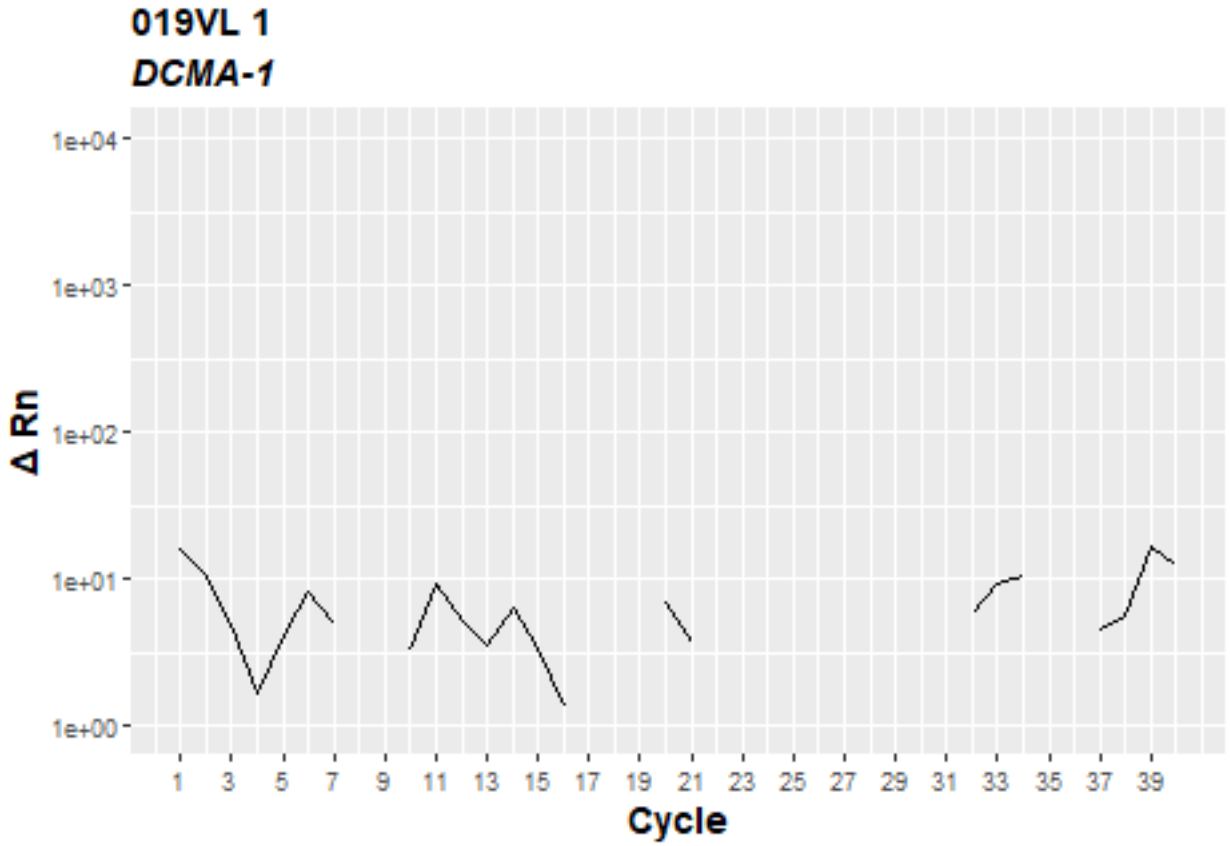

019VL 1
DCA
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

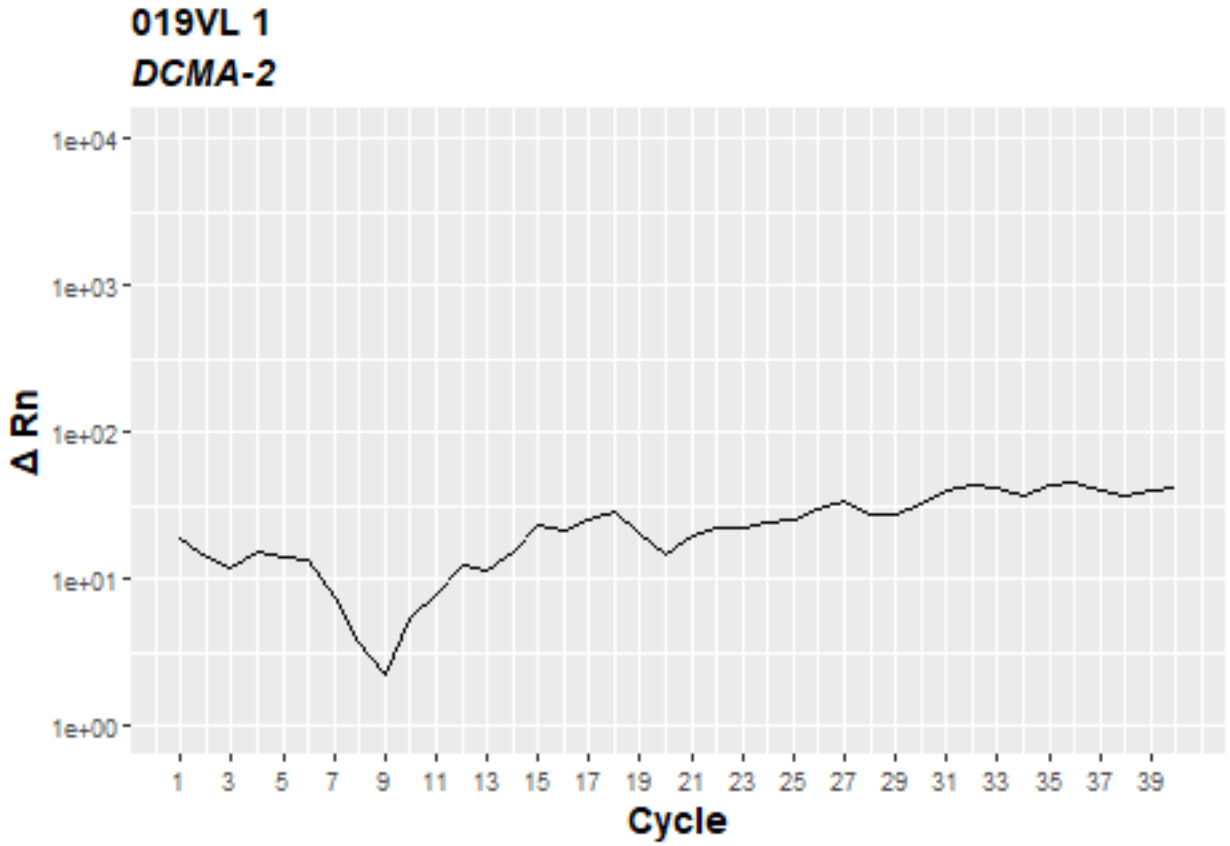

019VL 1
DCAR-1
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

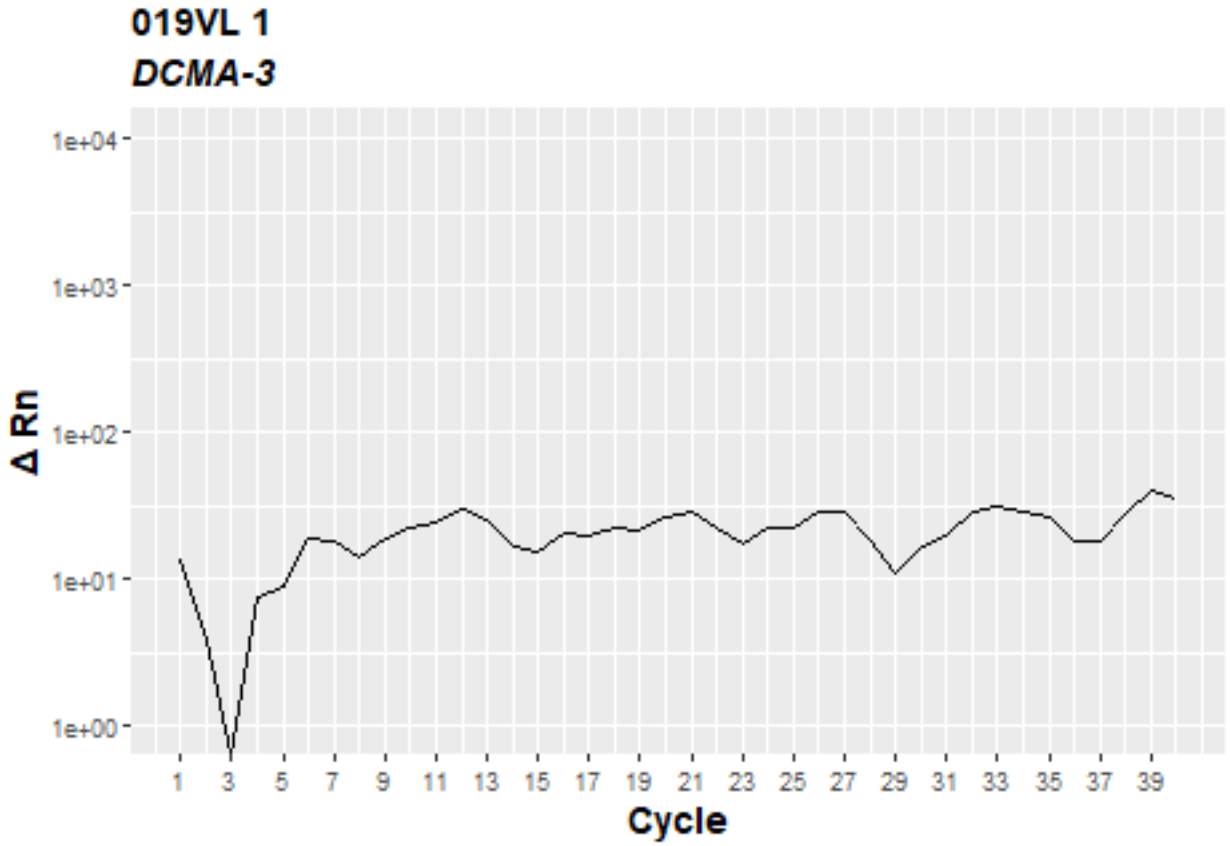

019VL 1
DCAR-2
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

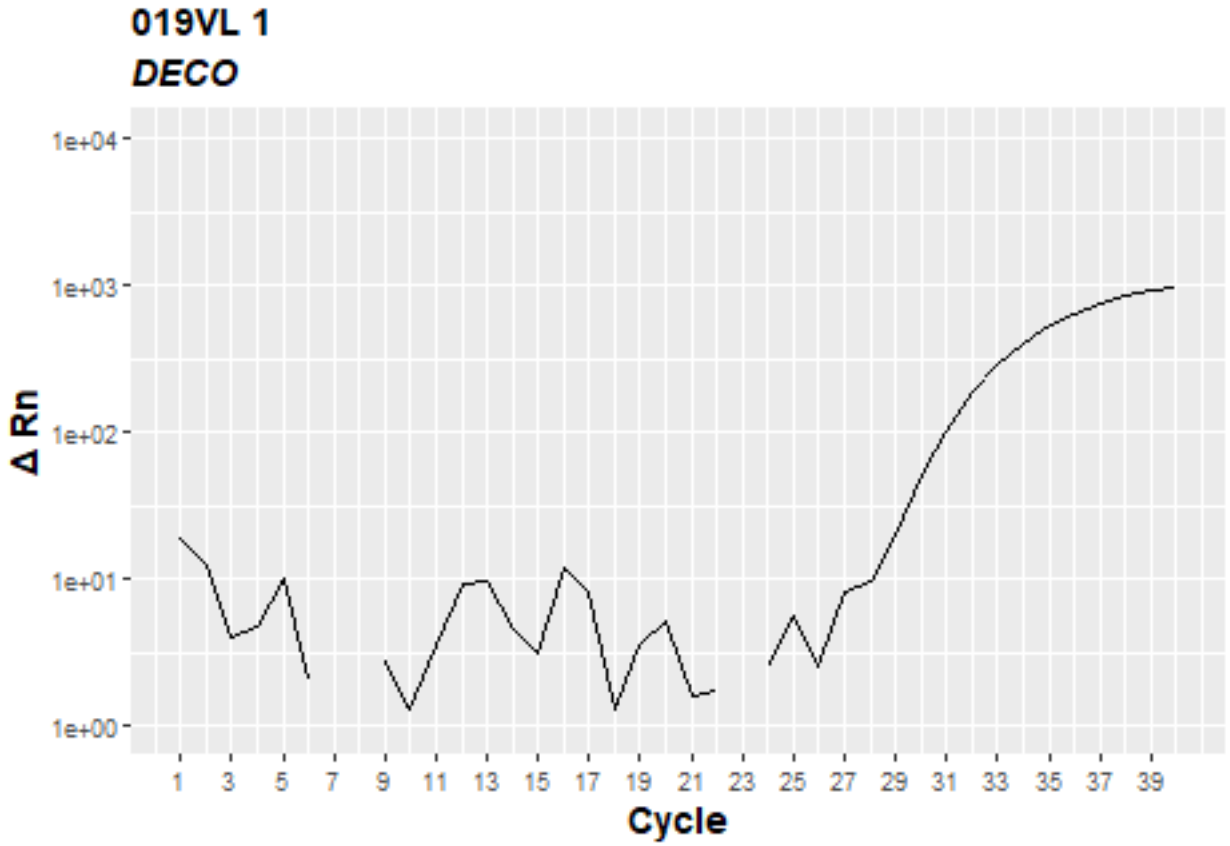

019VL 1
DCAR-3
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

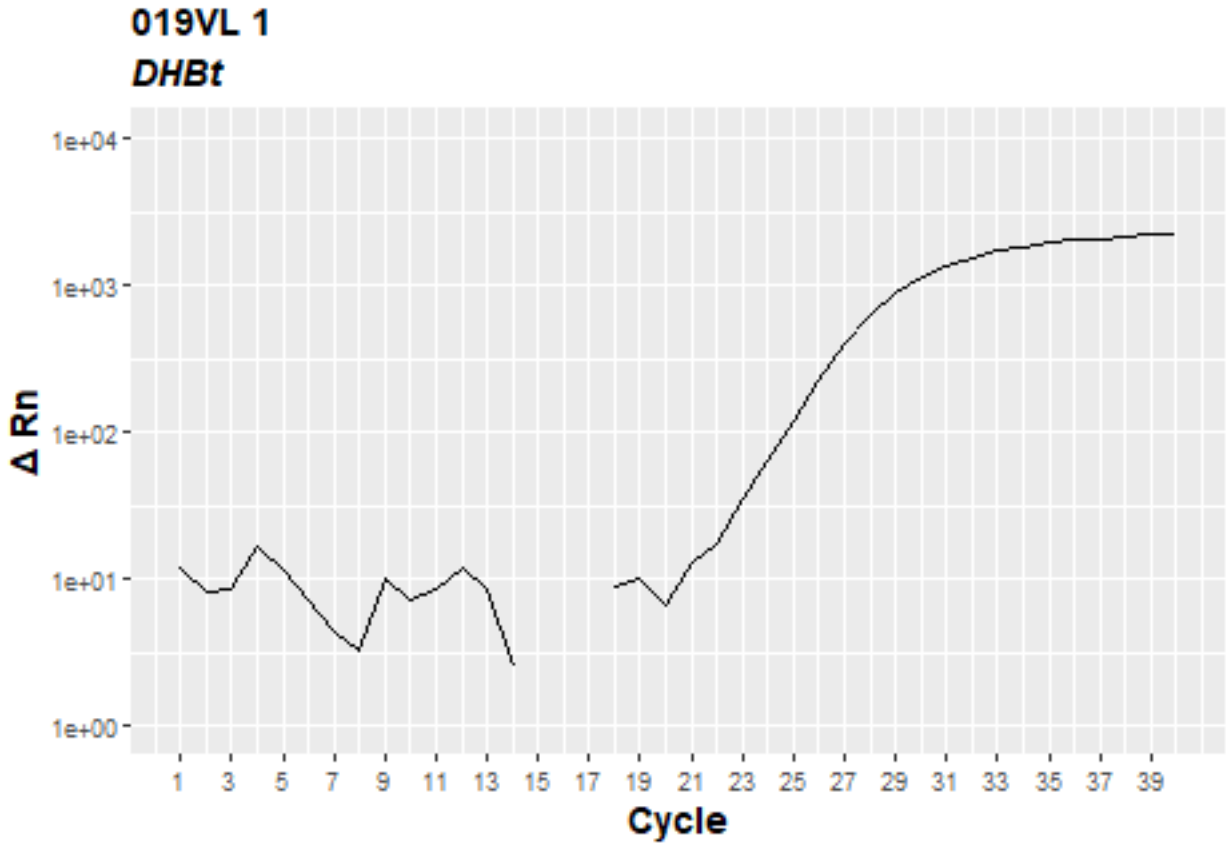

019VL 1
DCM
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

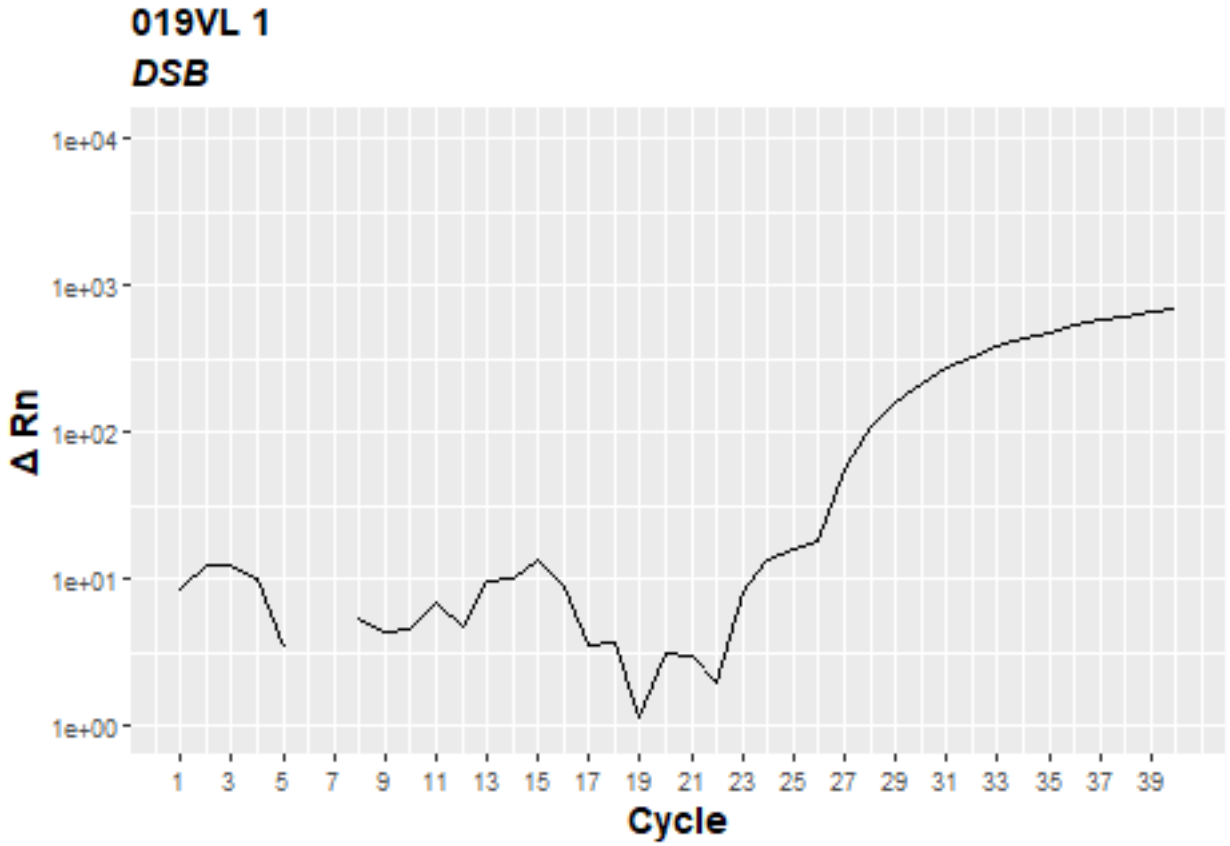

019VL 1
DCMA-1
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

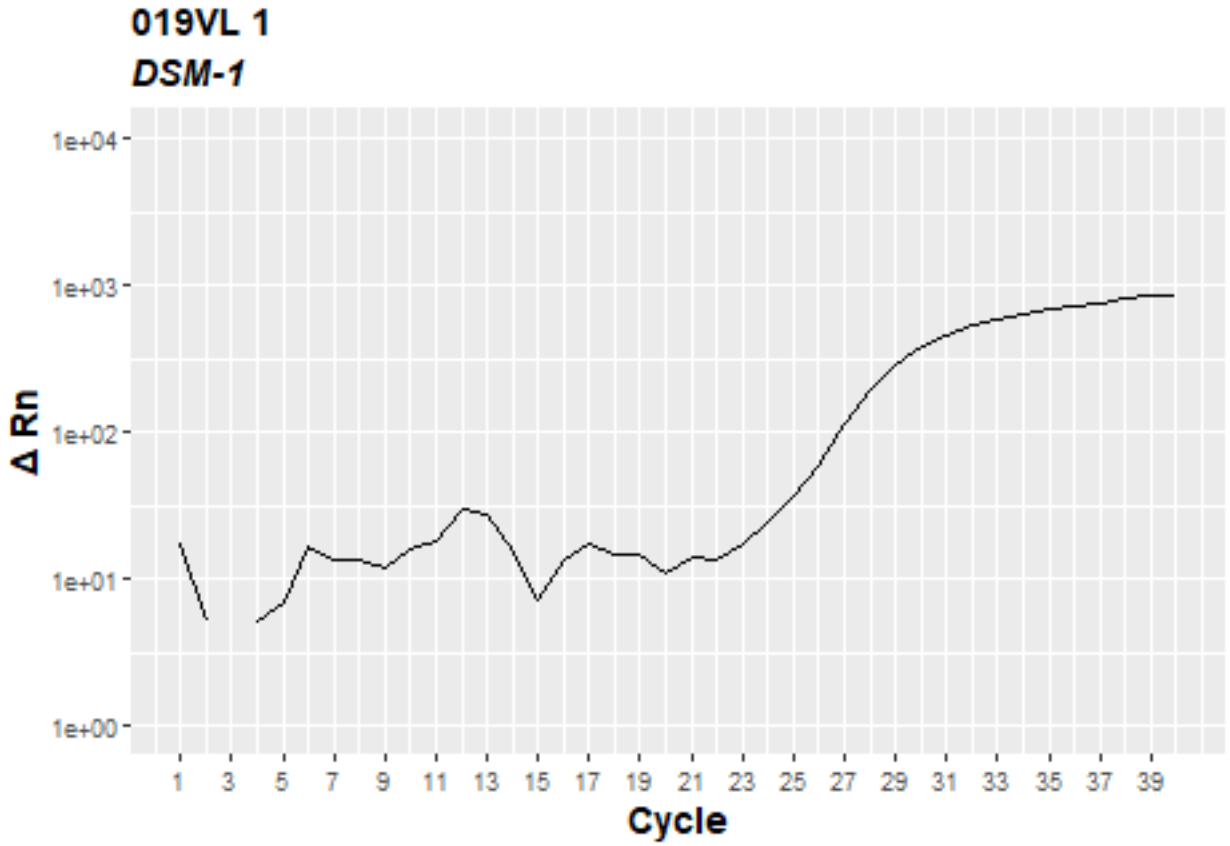

019VL 1
DCMA-2
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

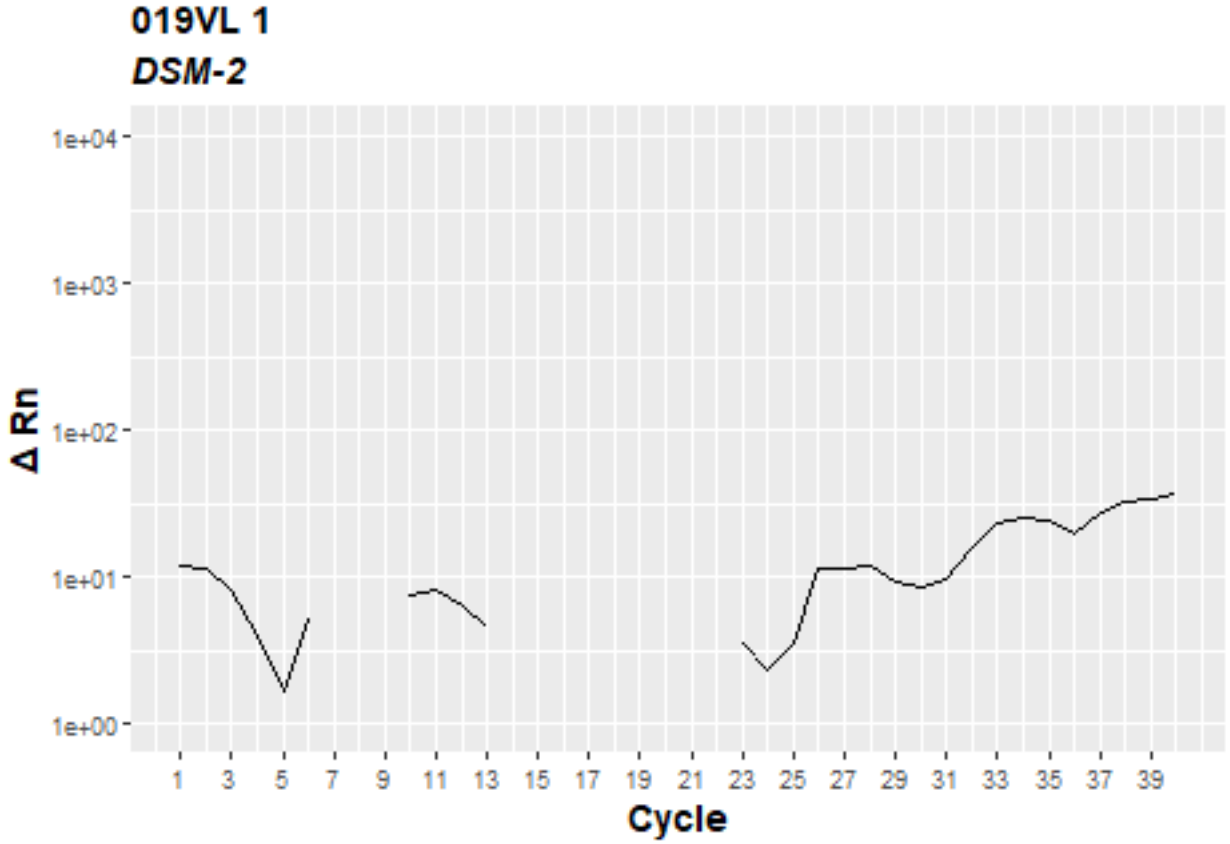

019VL 1
DCMA-3
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

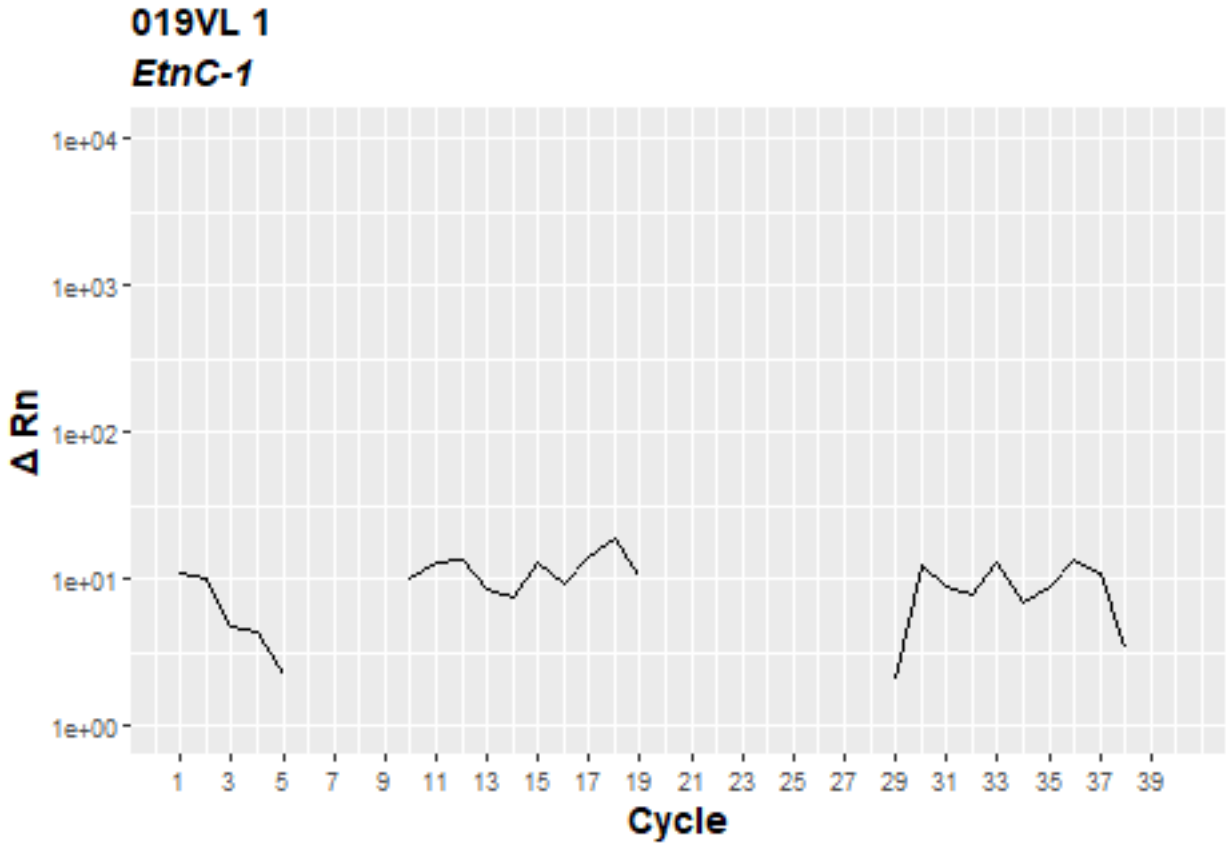

019VL 1
DECO
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

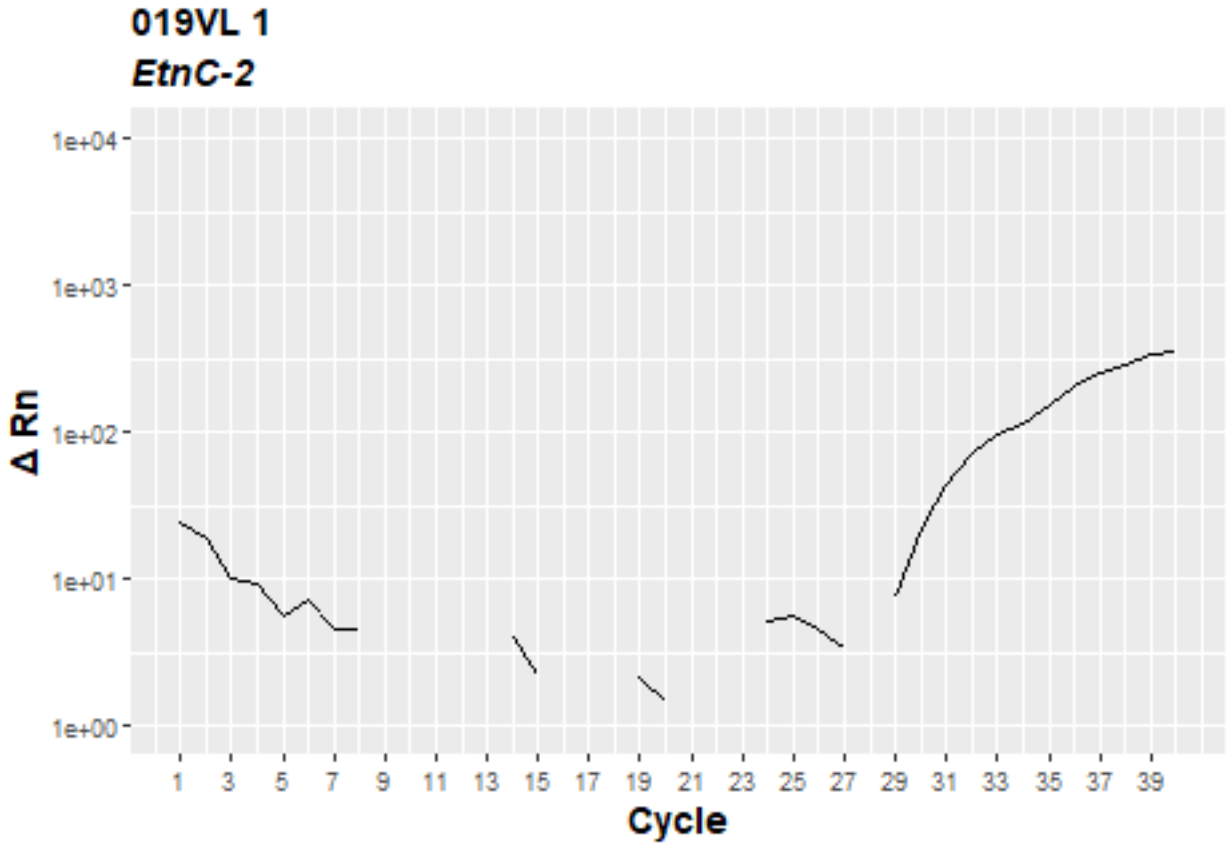

019VL 1
DHBt
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

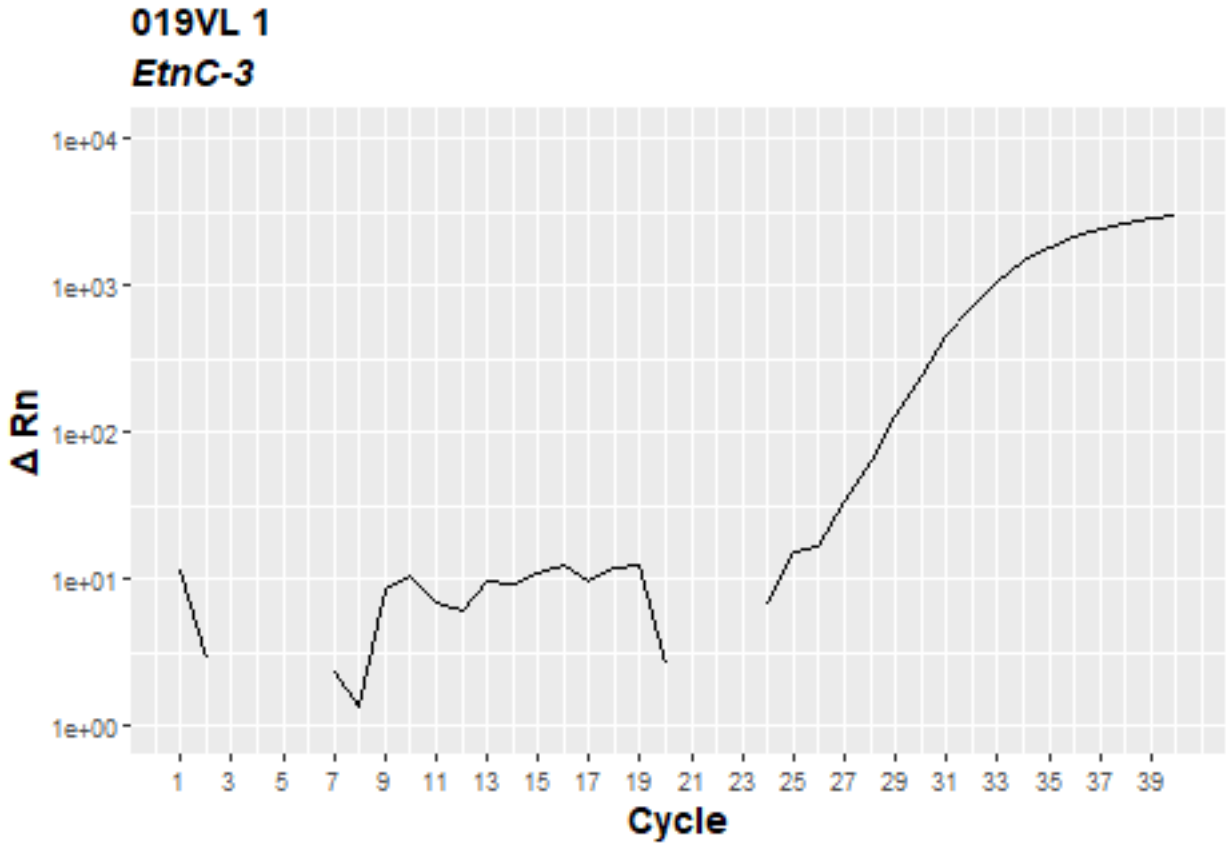

019VL 1
DSB
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

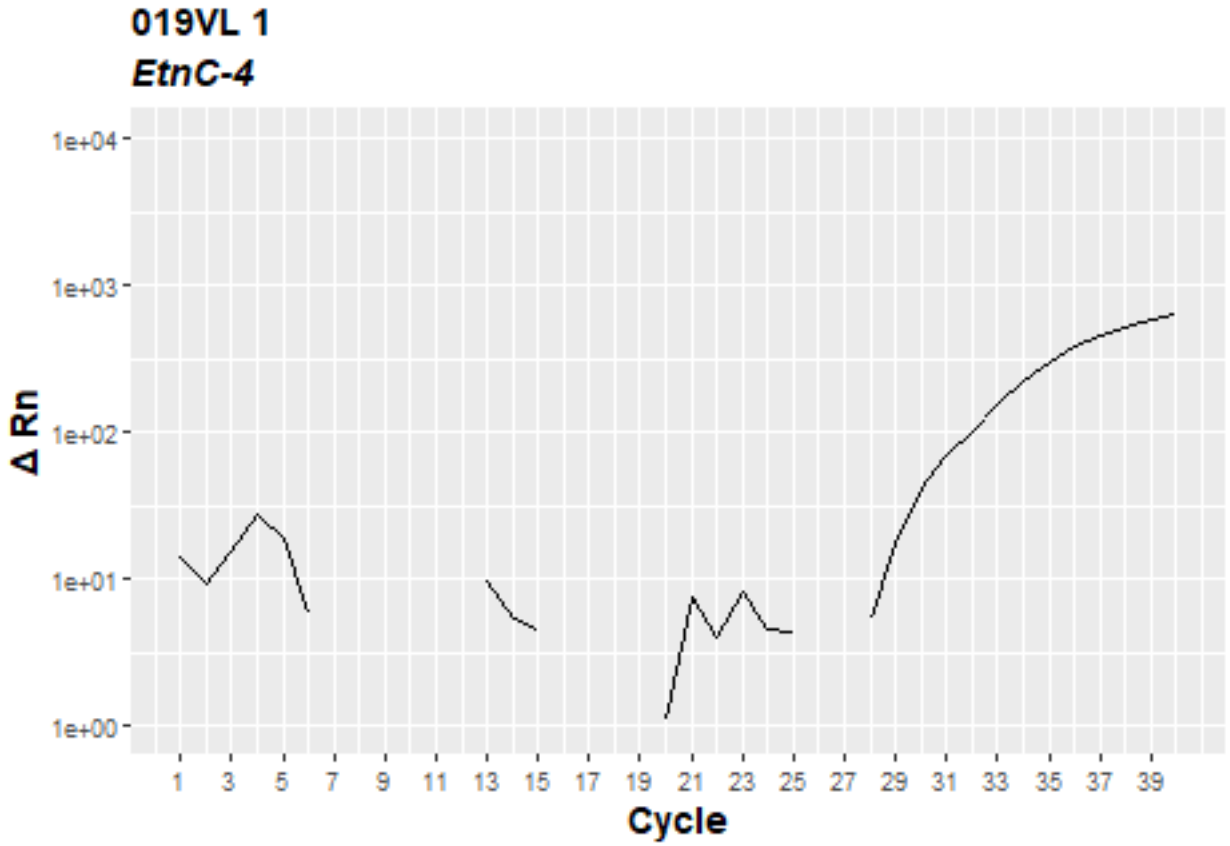

019VL 1
DSM-1
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

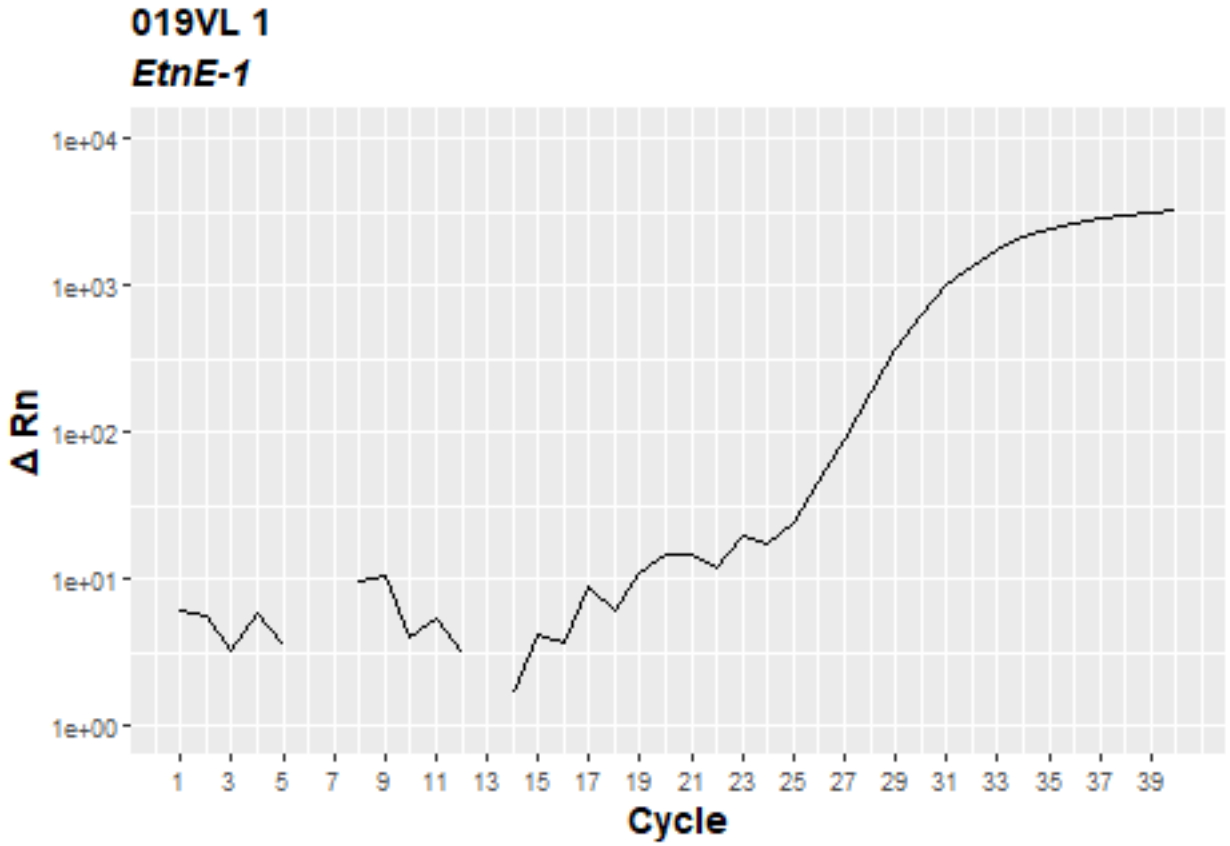

019VL 1
DSM-2
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

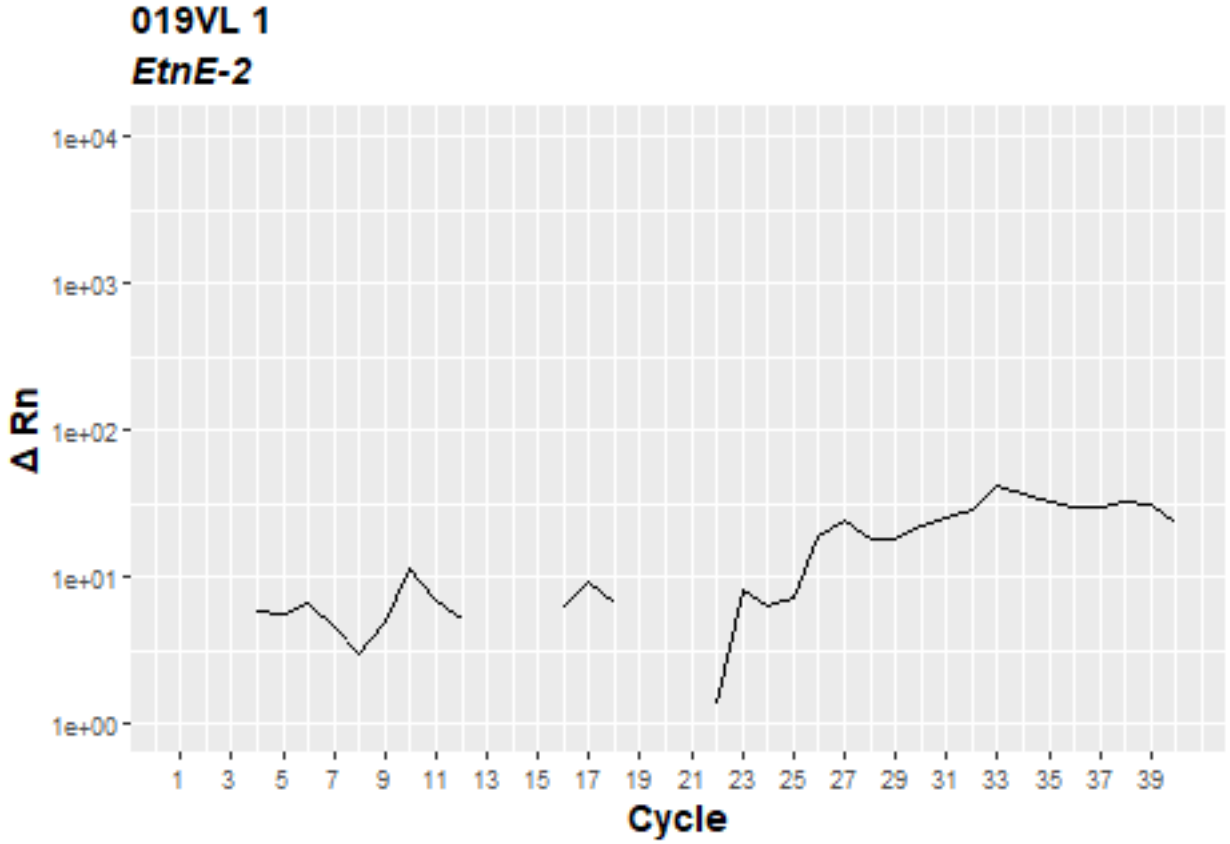

019VL 1
EtnC-1
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

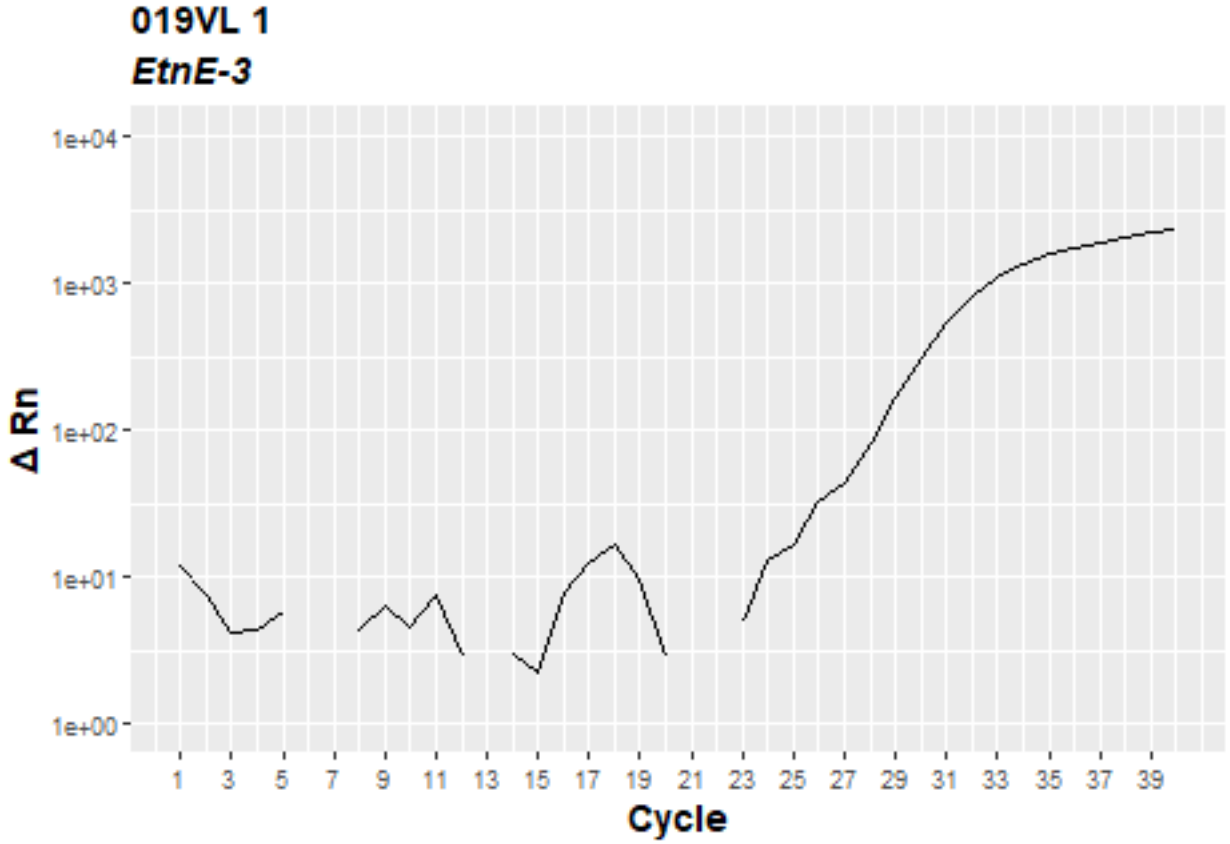

019VL 1
EtnC-2
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

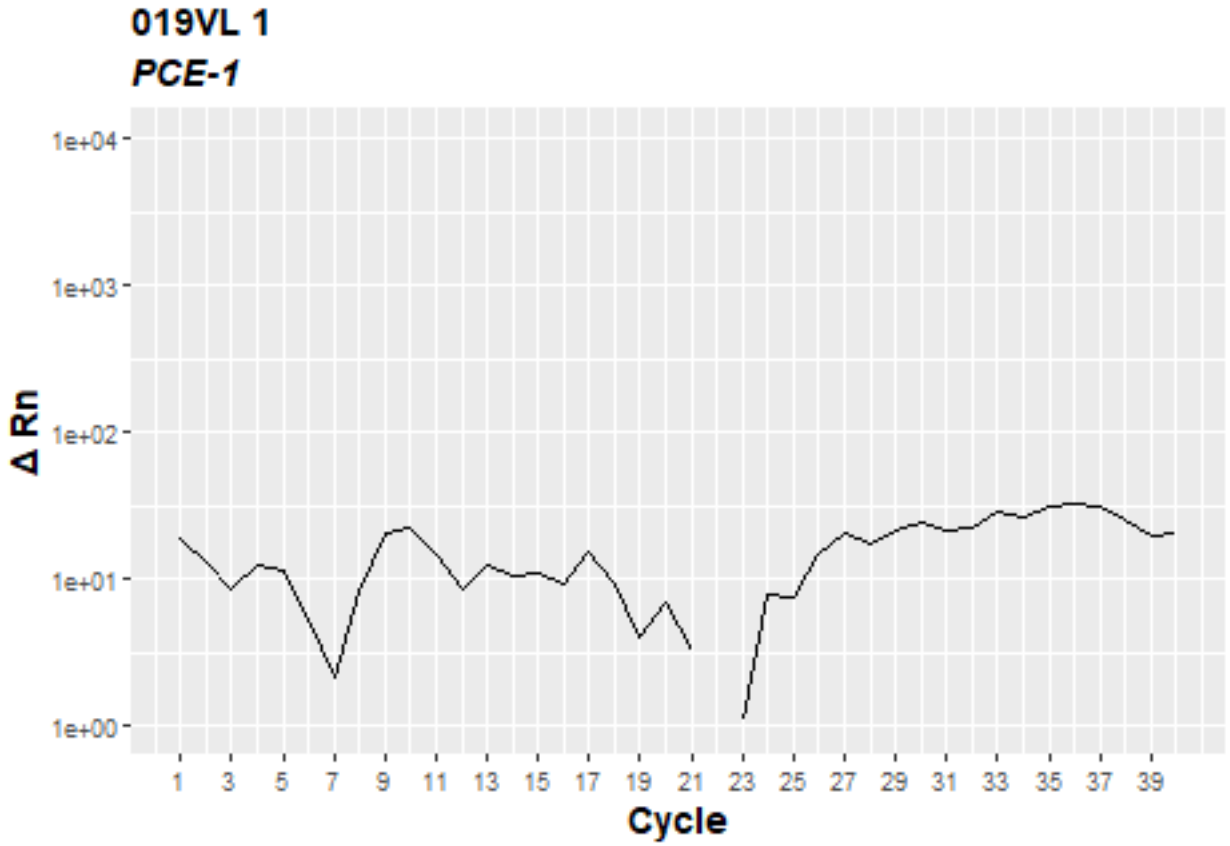

019VL 1
EtnC-3
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

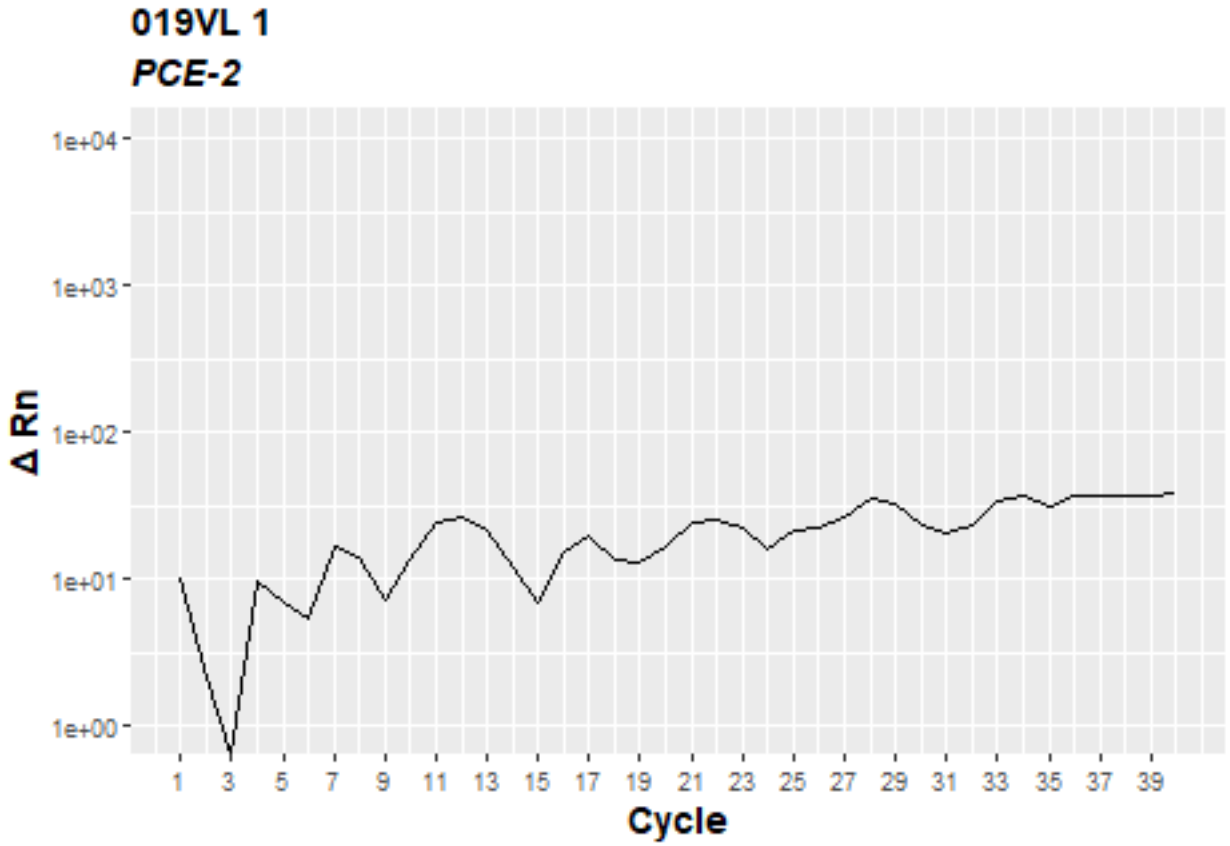

019VL 1
EtnC-4
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

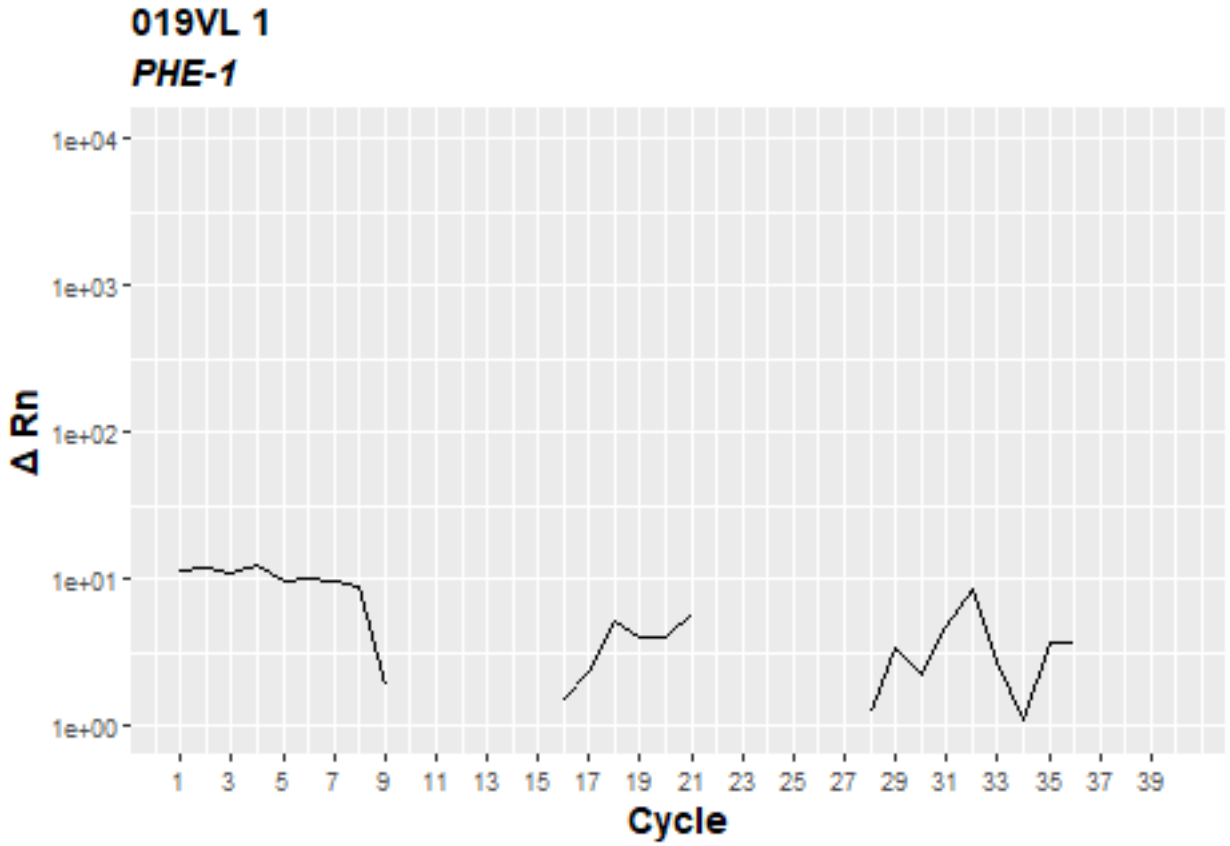

019VL 1
EtnE-1
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

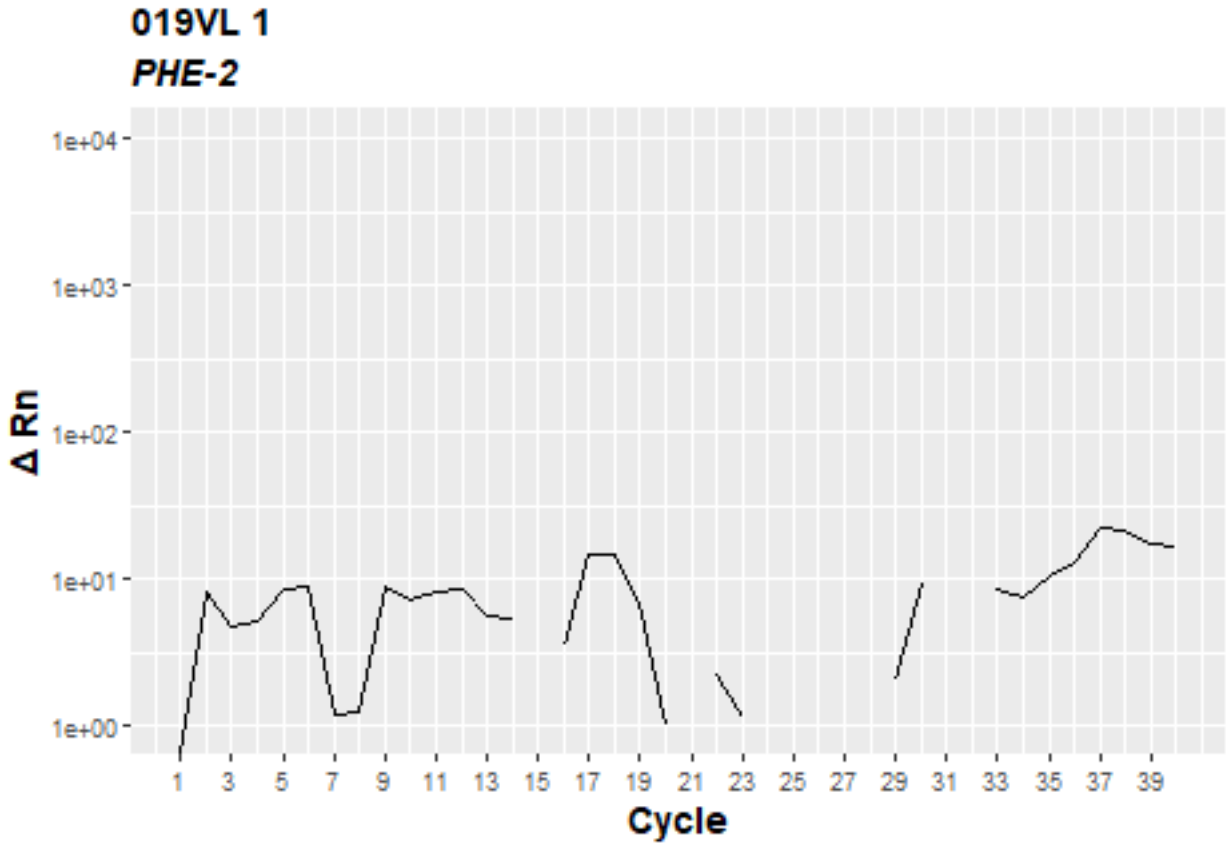

019VL 1
EtnE-2
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

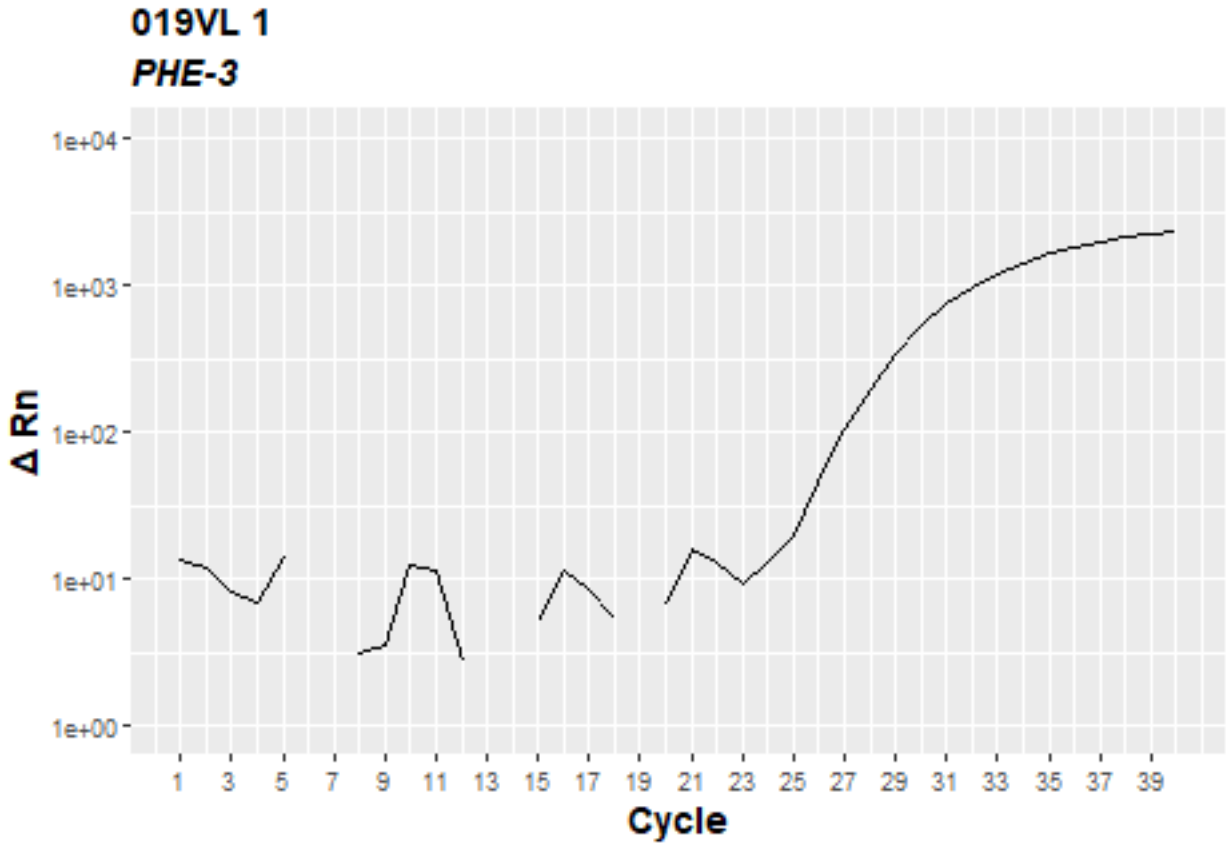

019VL 1
EtnE-3
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

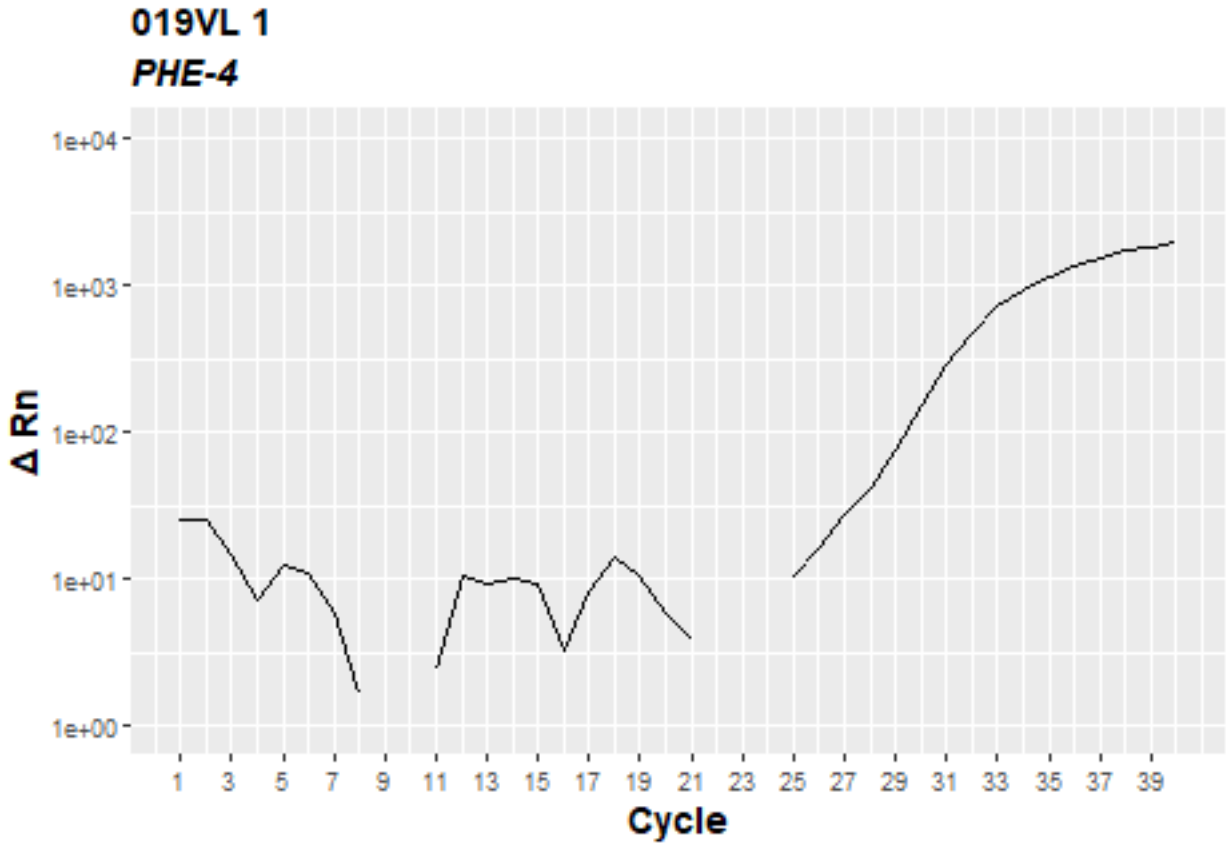

019VL 1
PCE-1
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

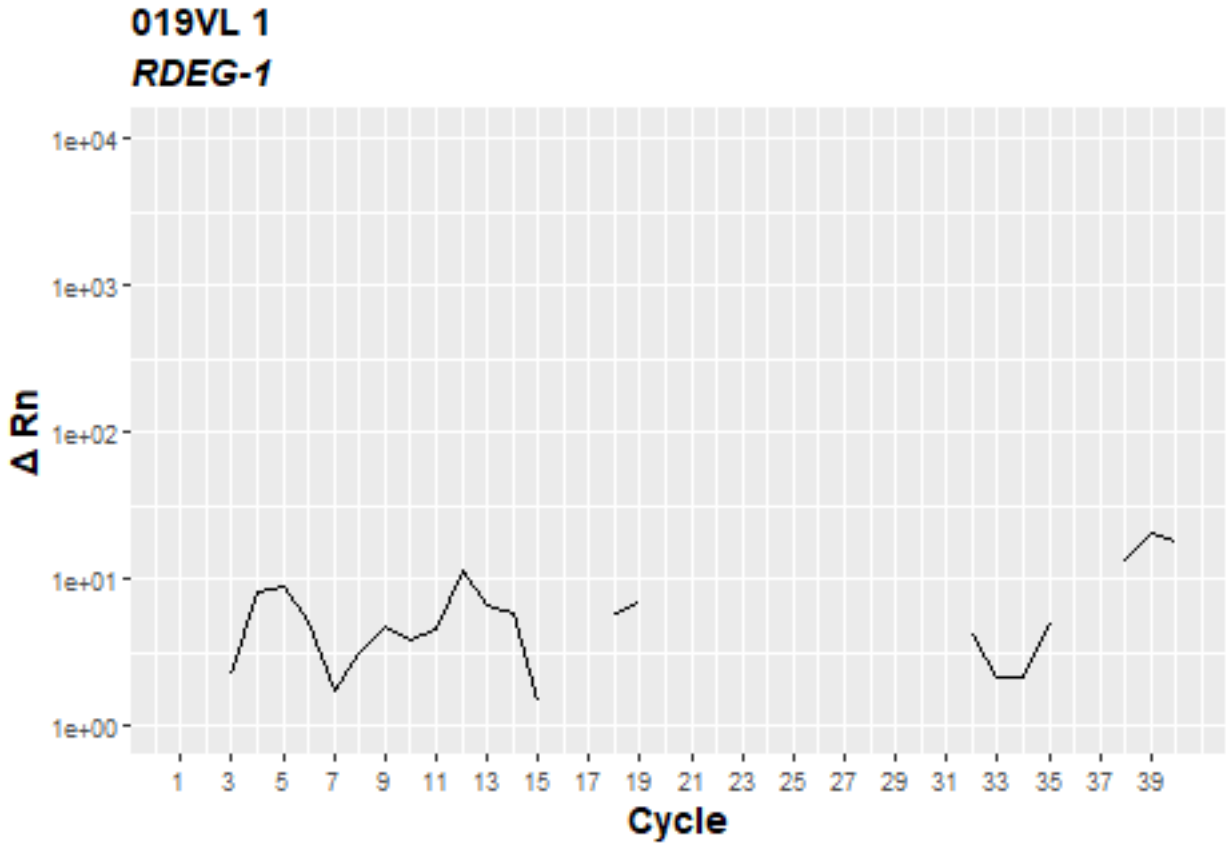

019VL 1
PCE-2
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

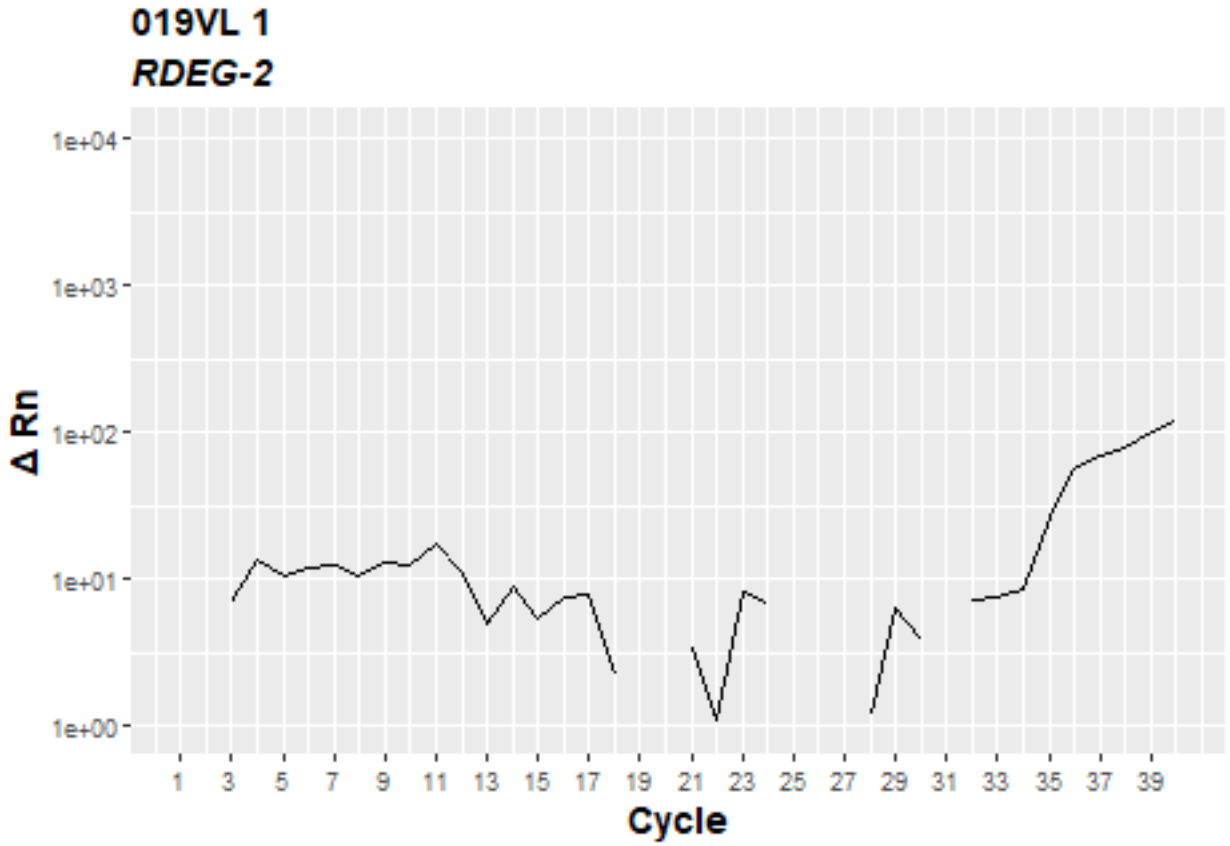

019VL 1
PHE-1
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

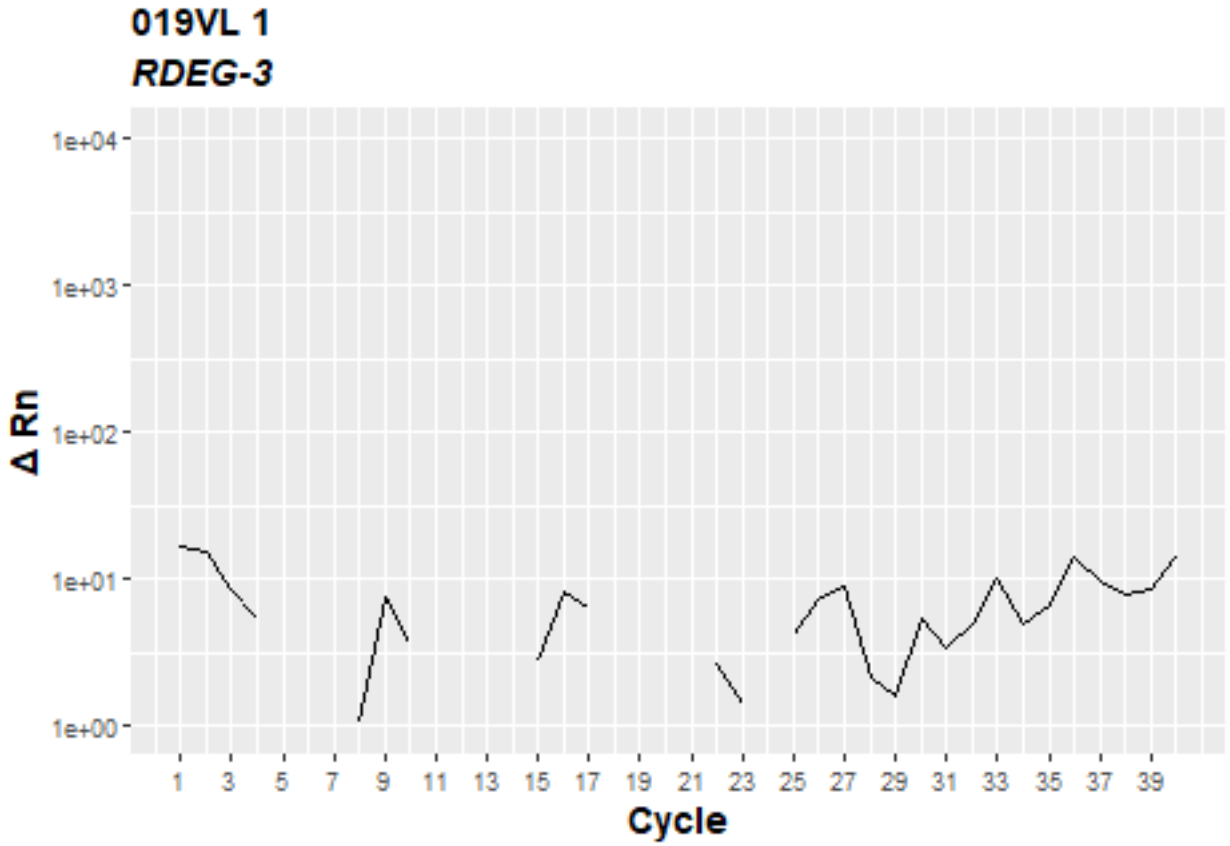

019VL 1
PHE-2
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

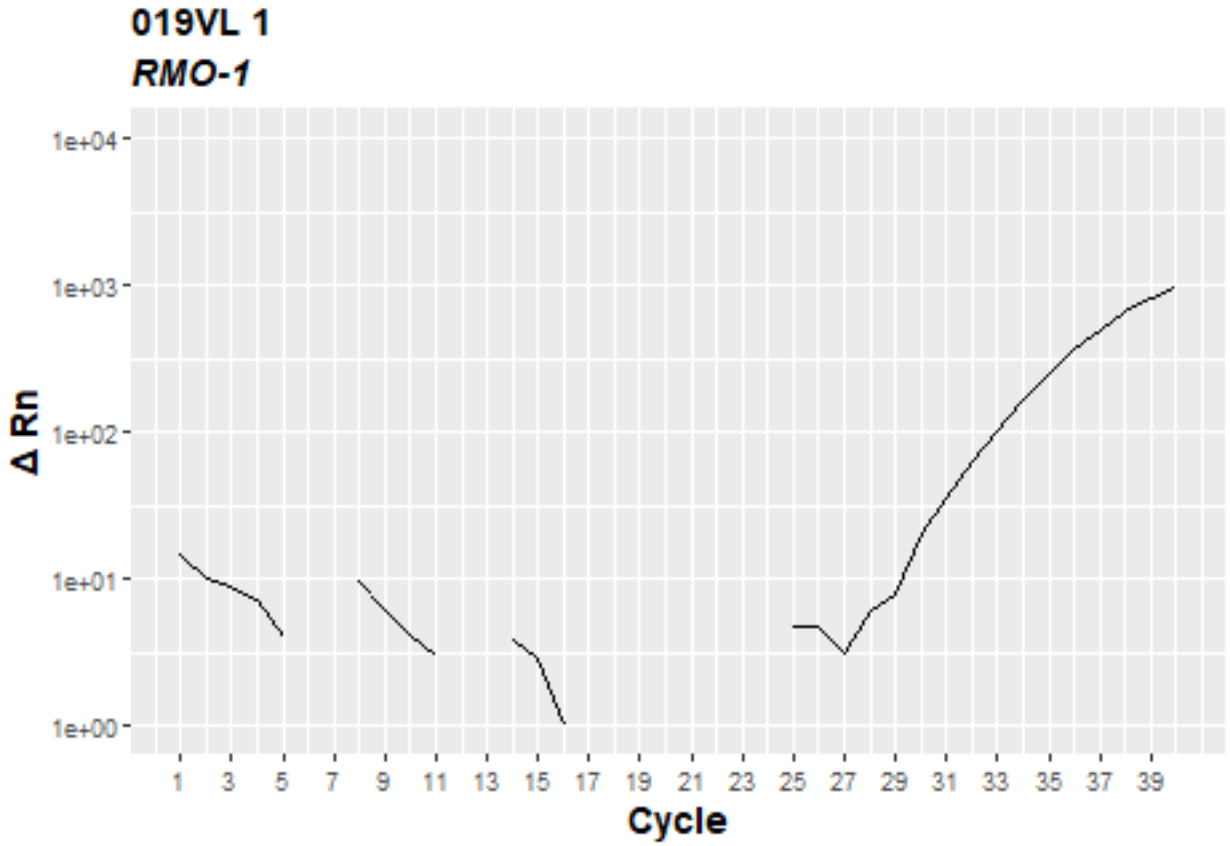

019VL 1
PHE-3
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

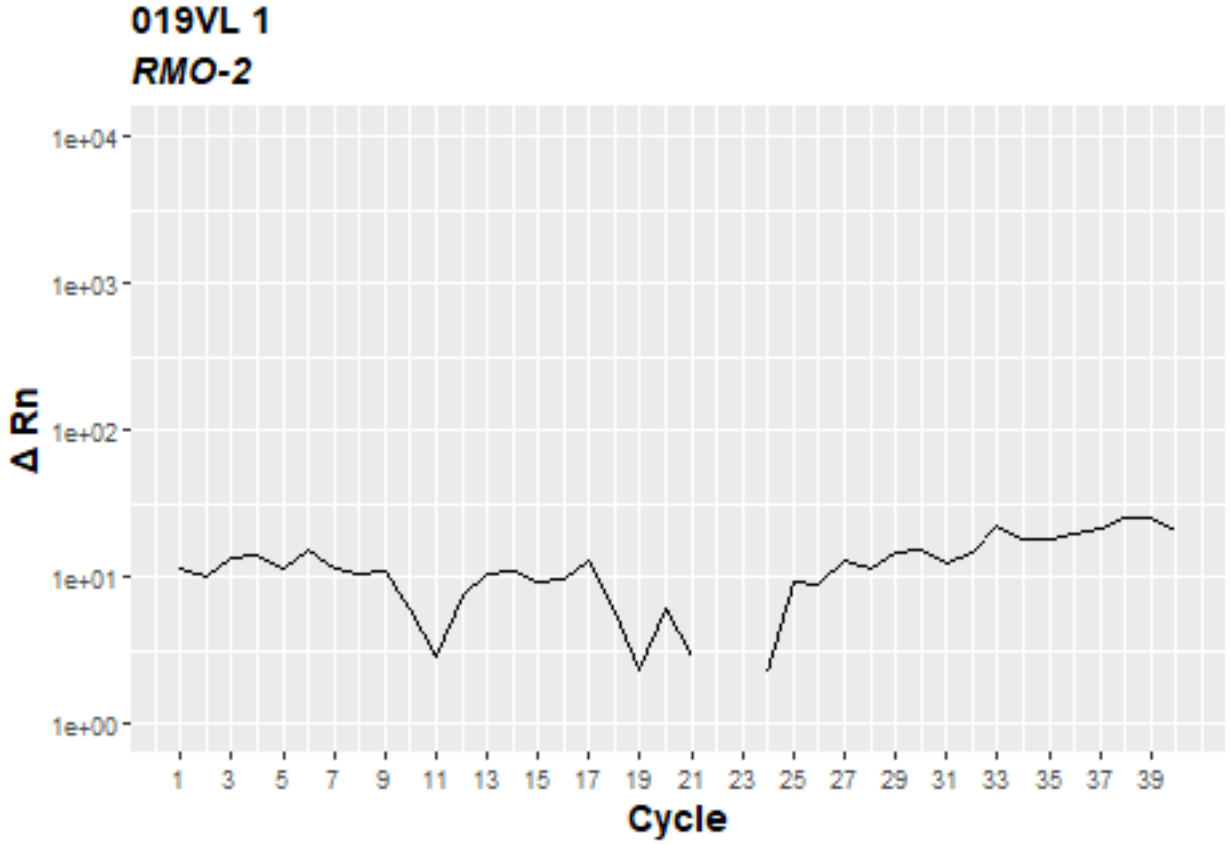

019VL 1
PHE-4
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

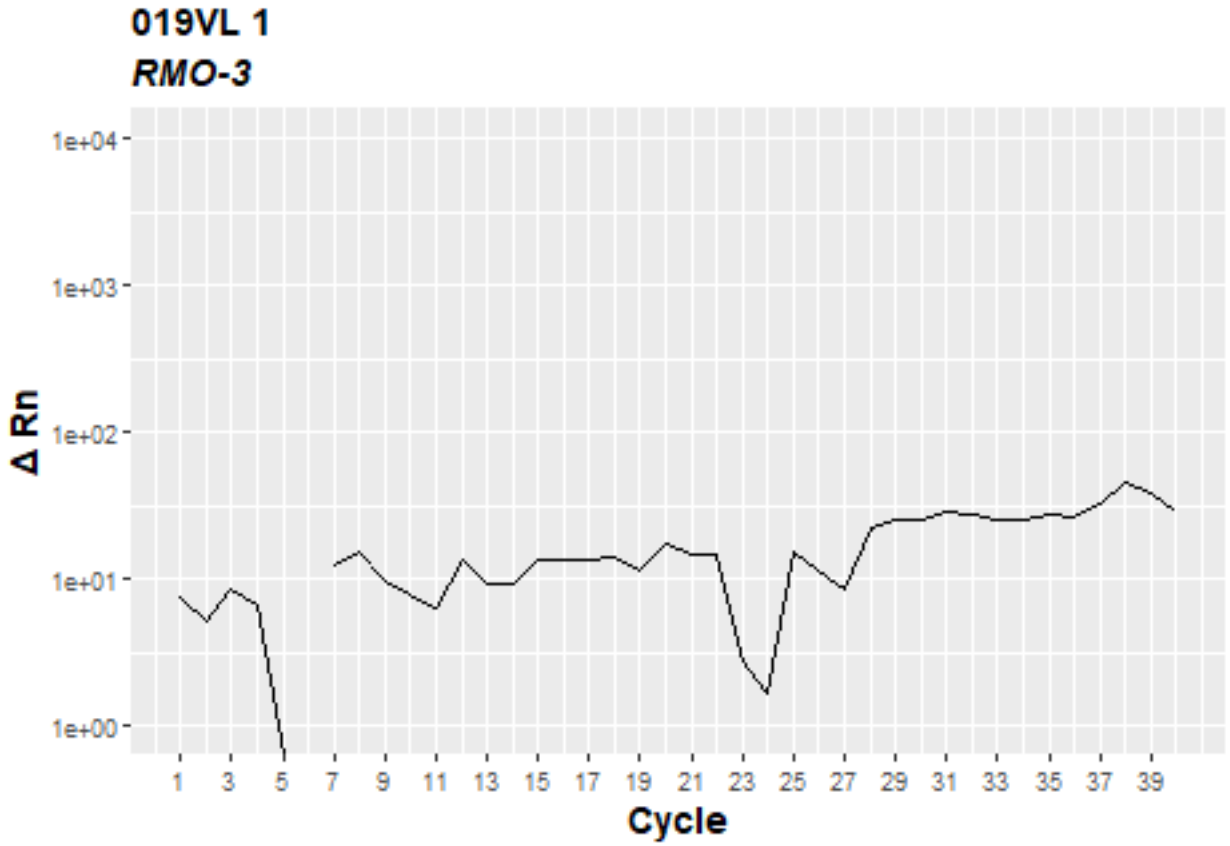

019VL 1
RDEG-1
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

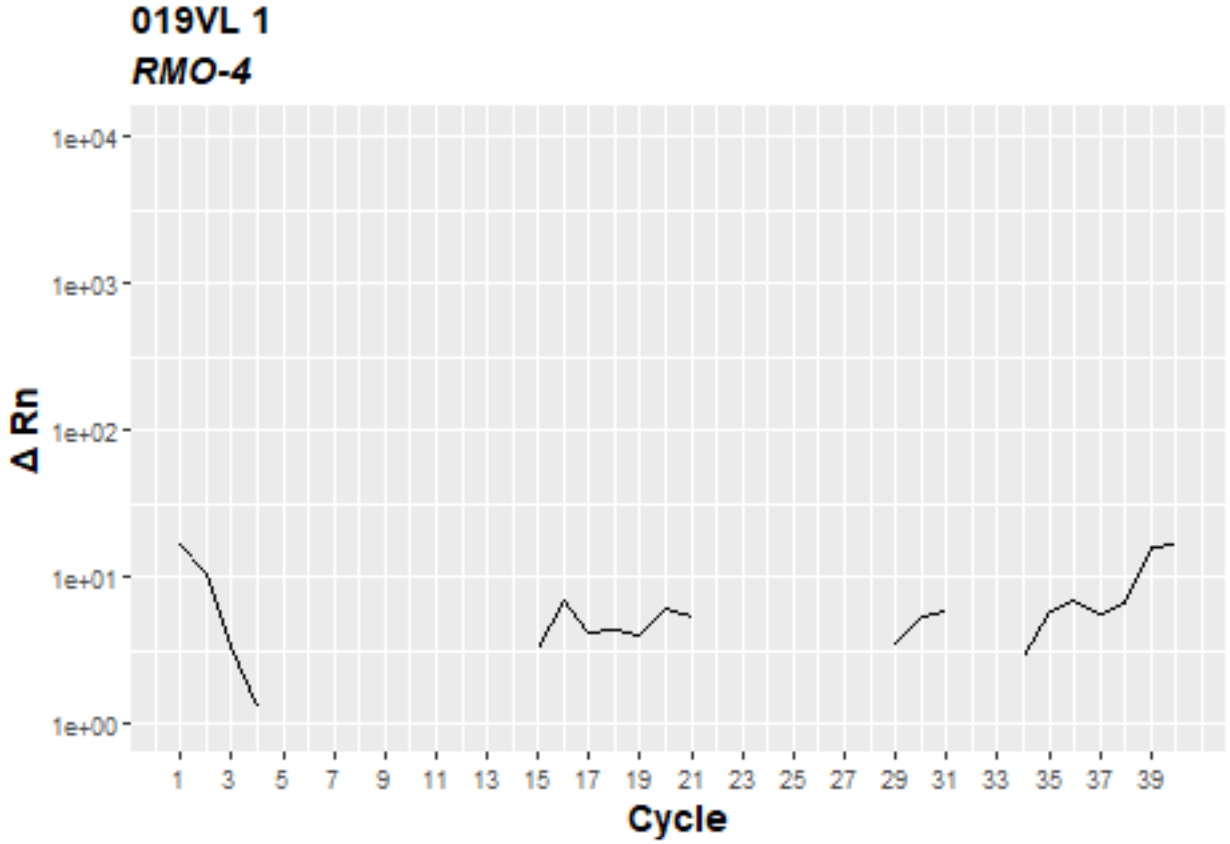

019VL 1
RDEG-2
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

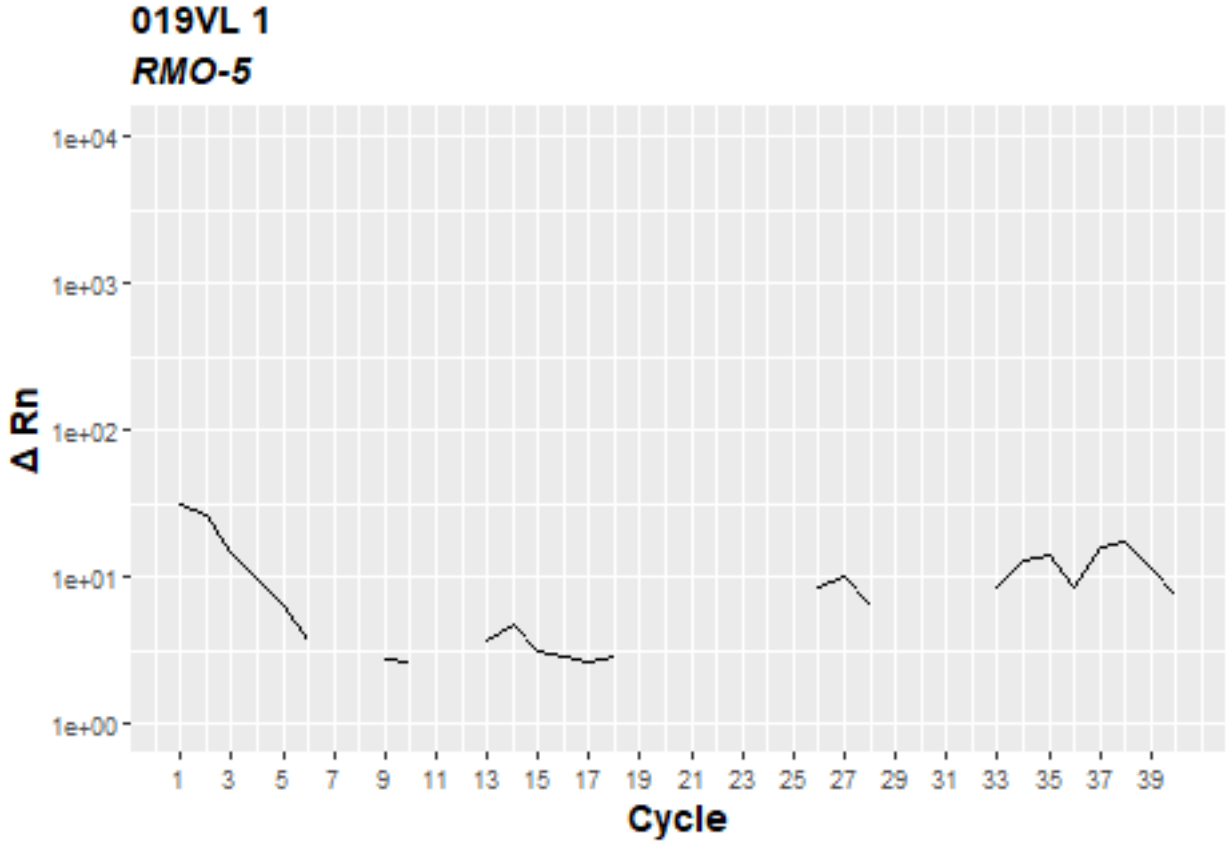

019VL 1
RDEG-3
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

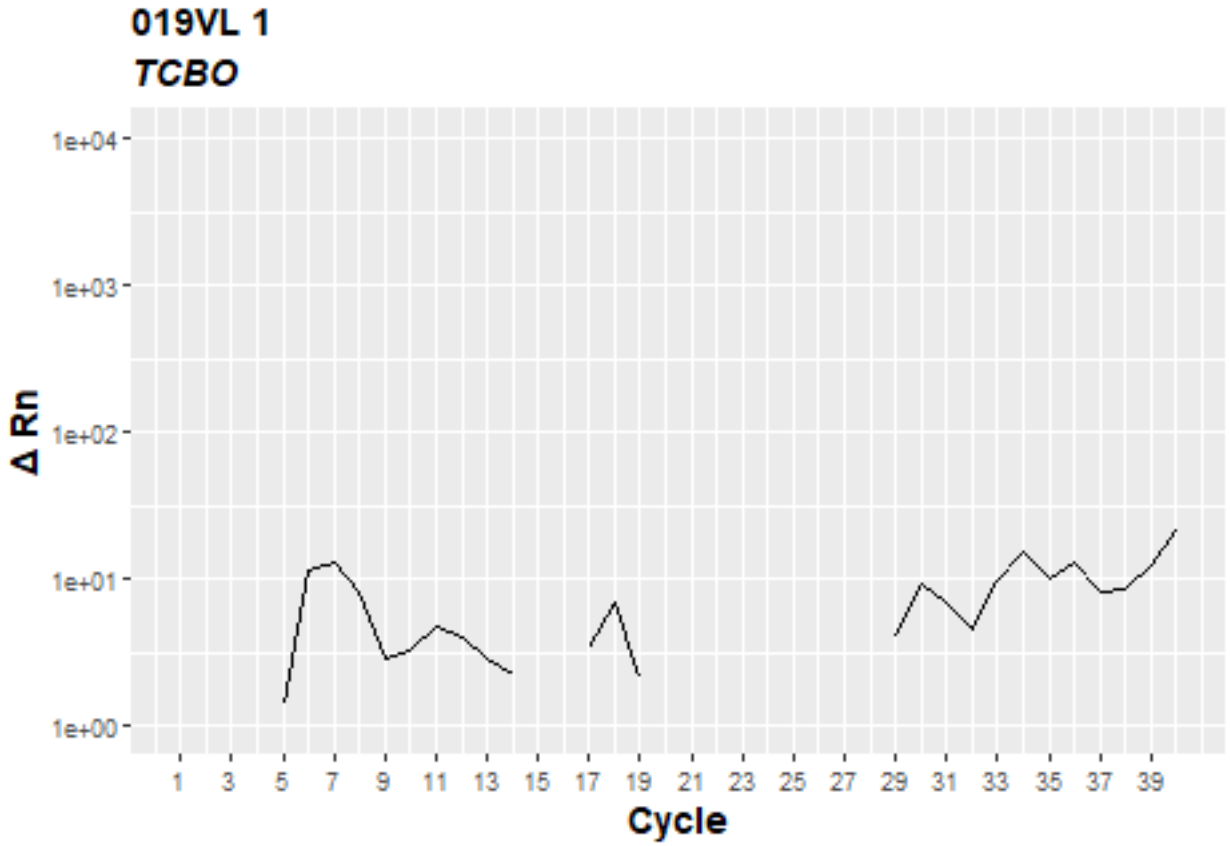

019VL 1
RMO-1
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

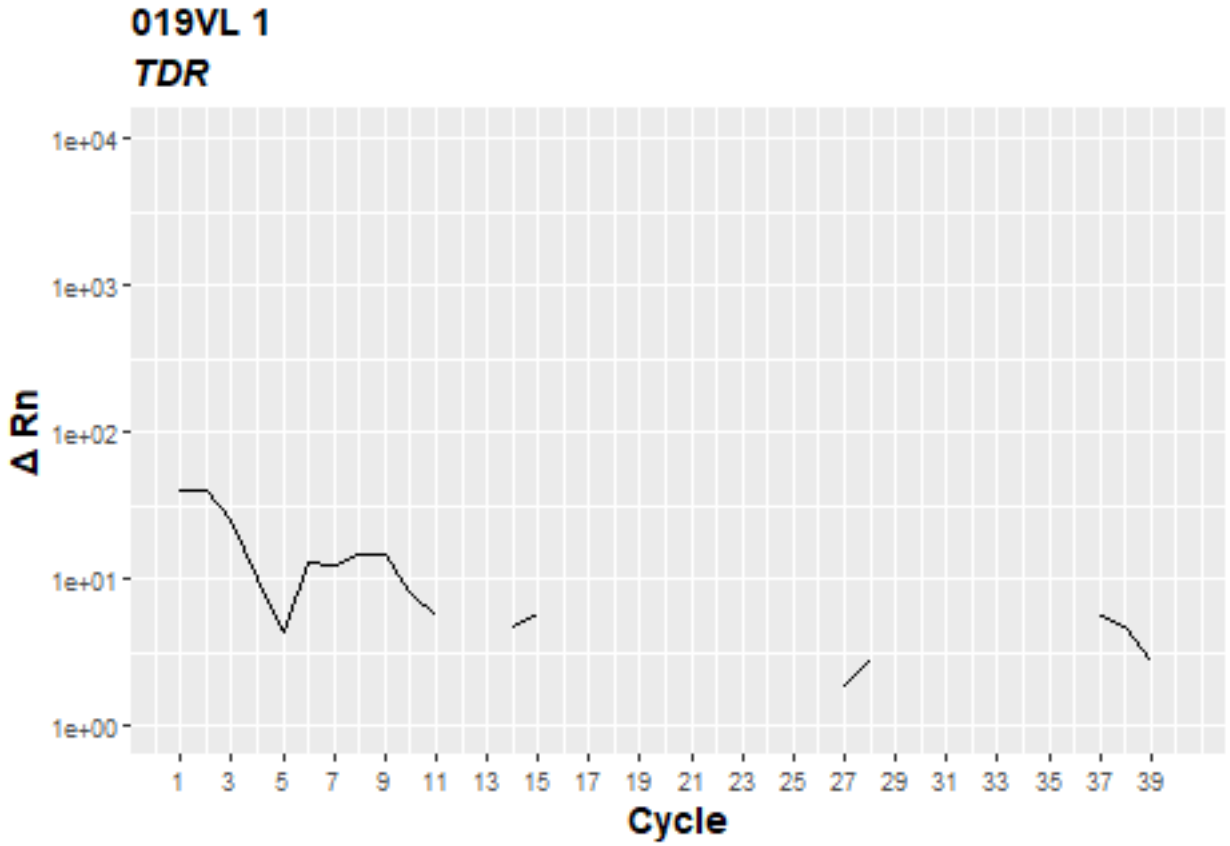

019VL 1
RMO-2
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

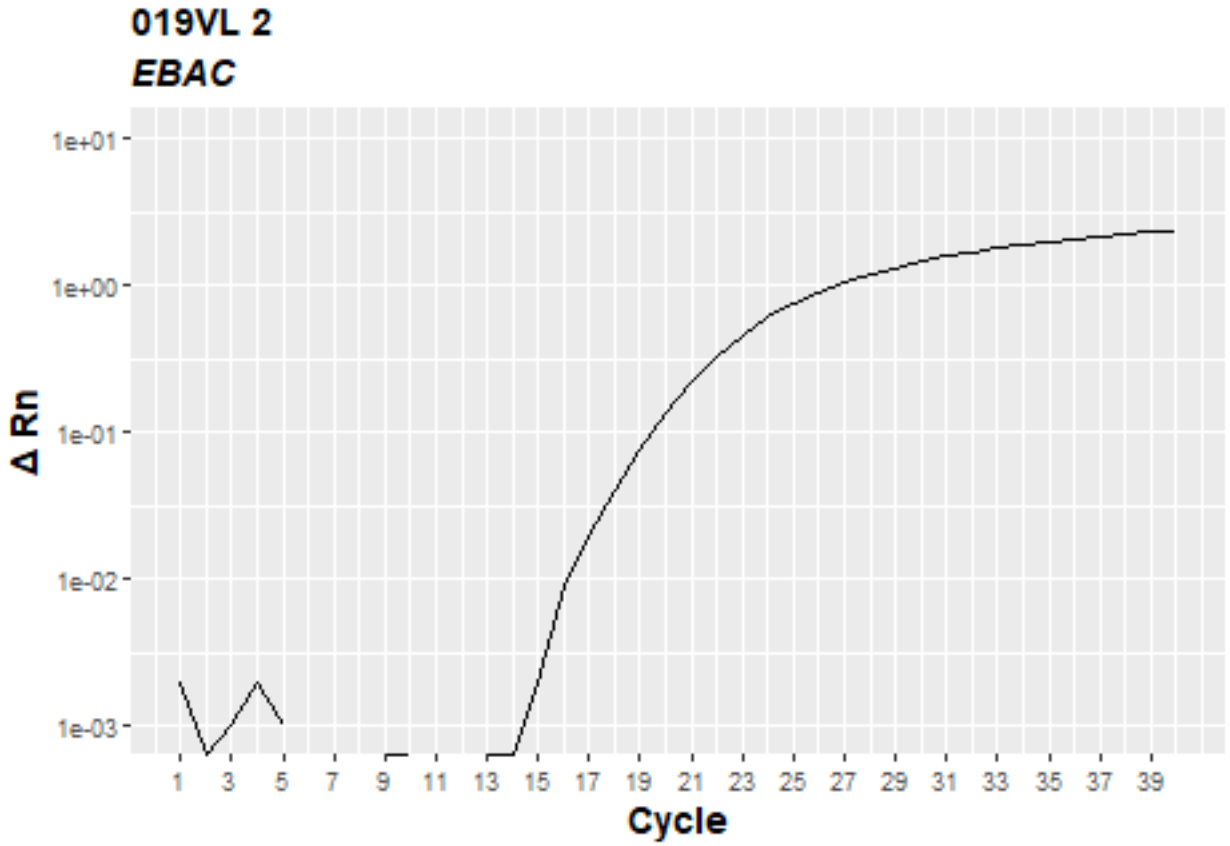

019VL 1
RMO-3
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

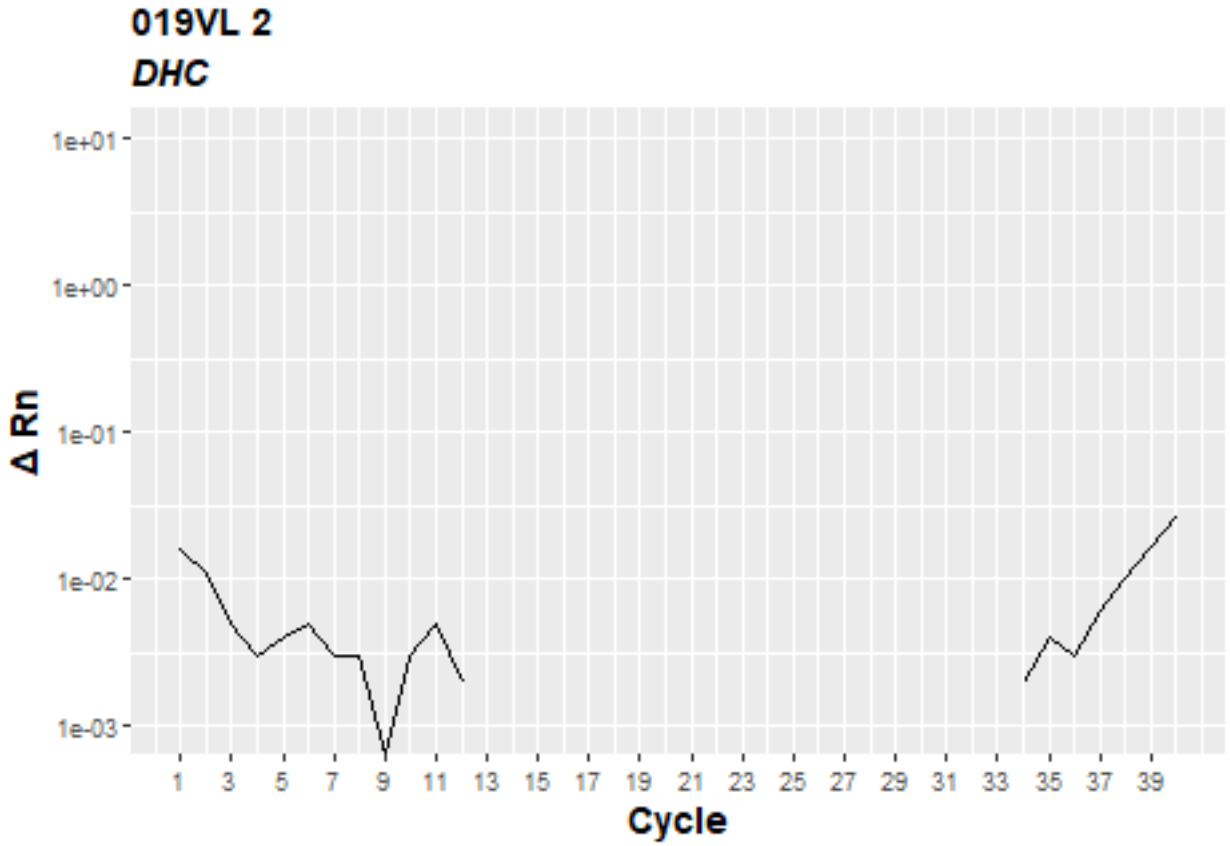

019VL 1
RMO-4
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

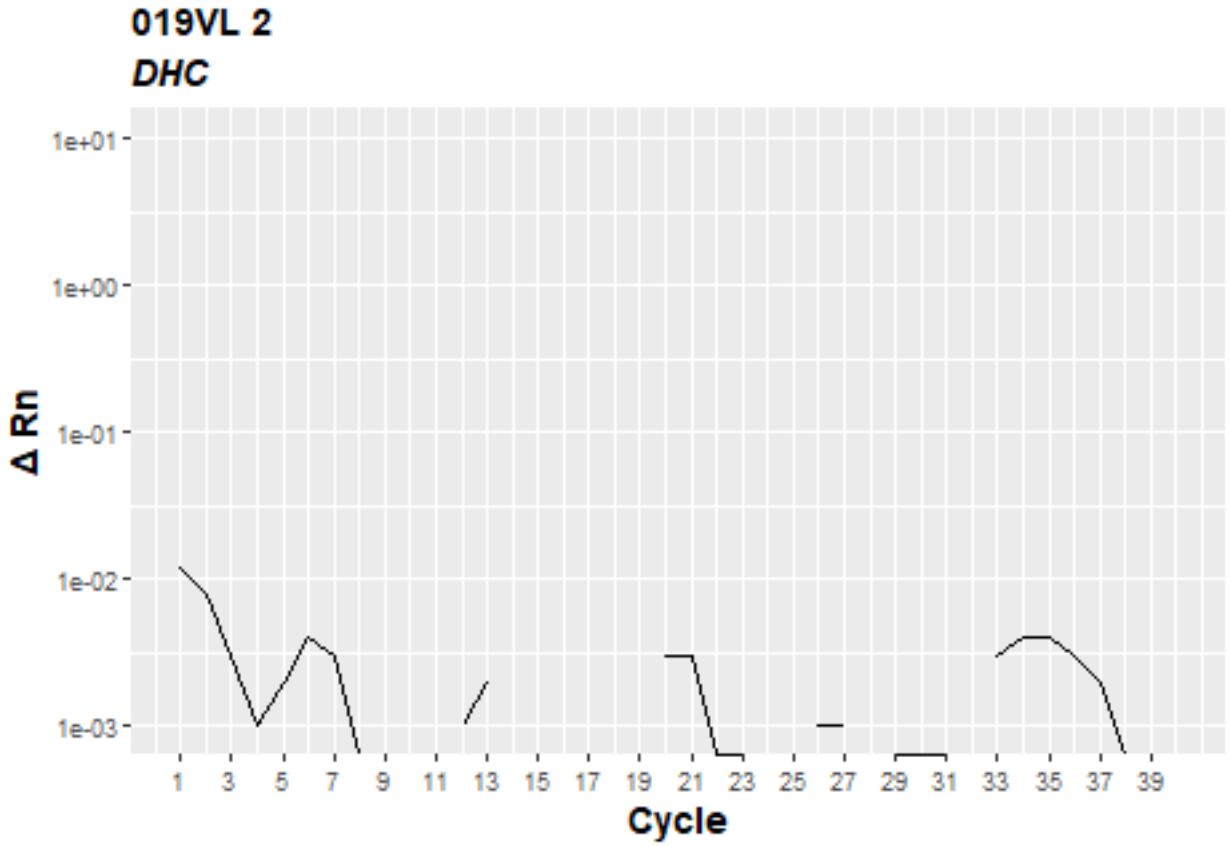

019VL 1
RMO-5
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

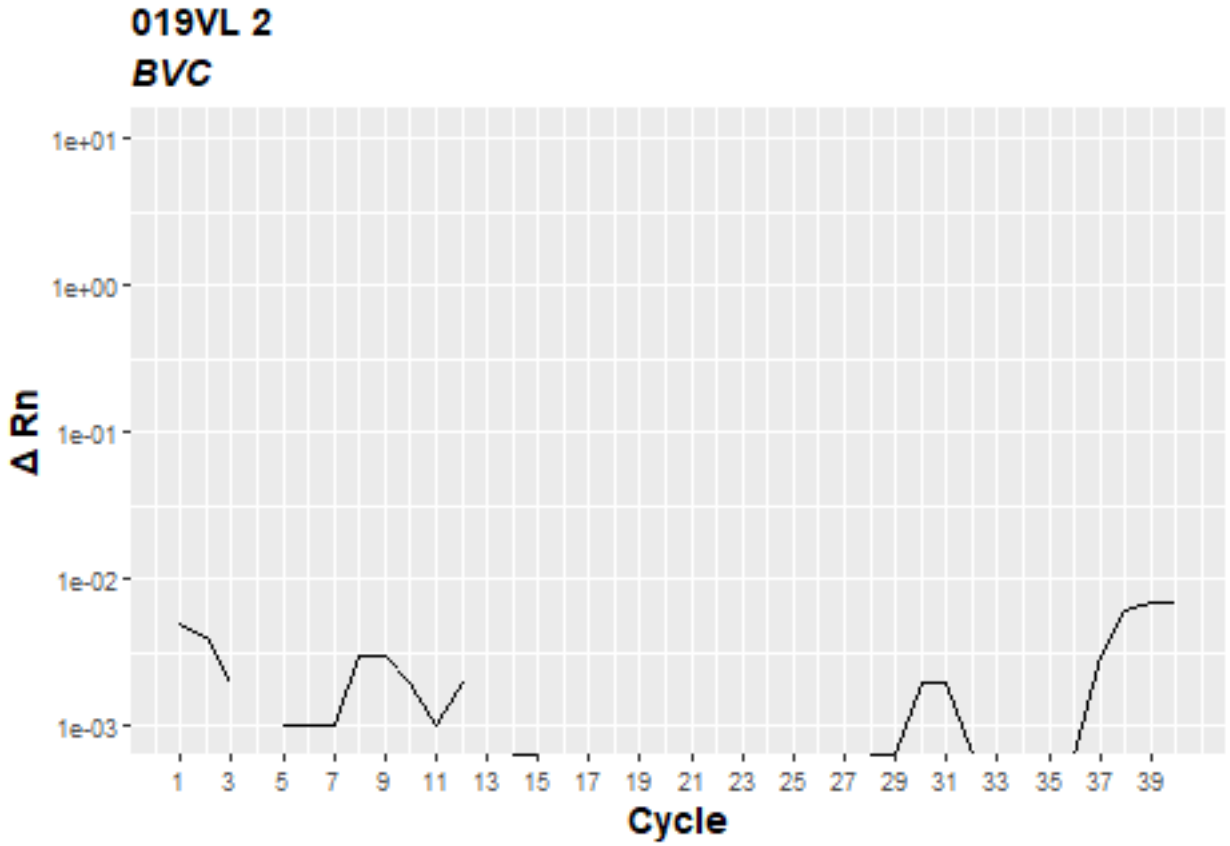

019VL 1
TCBO
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

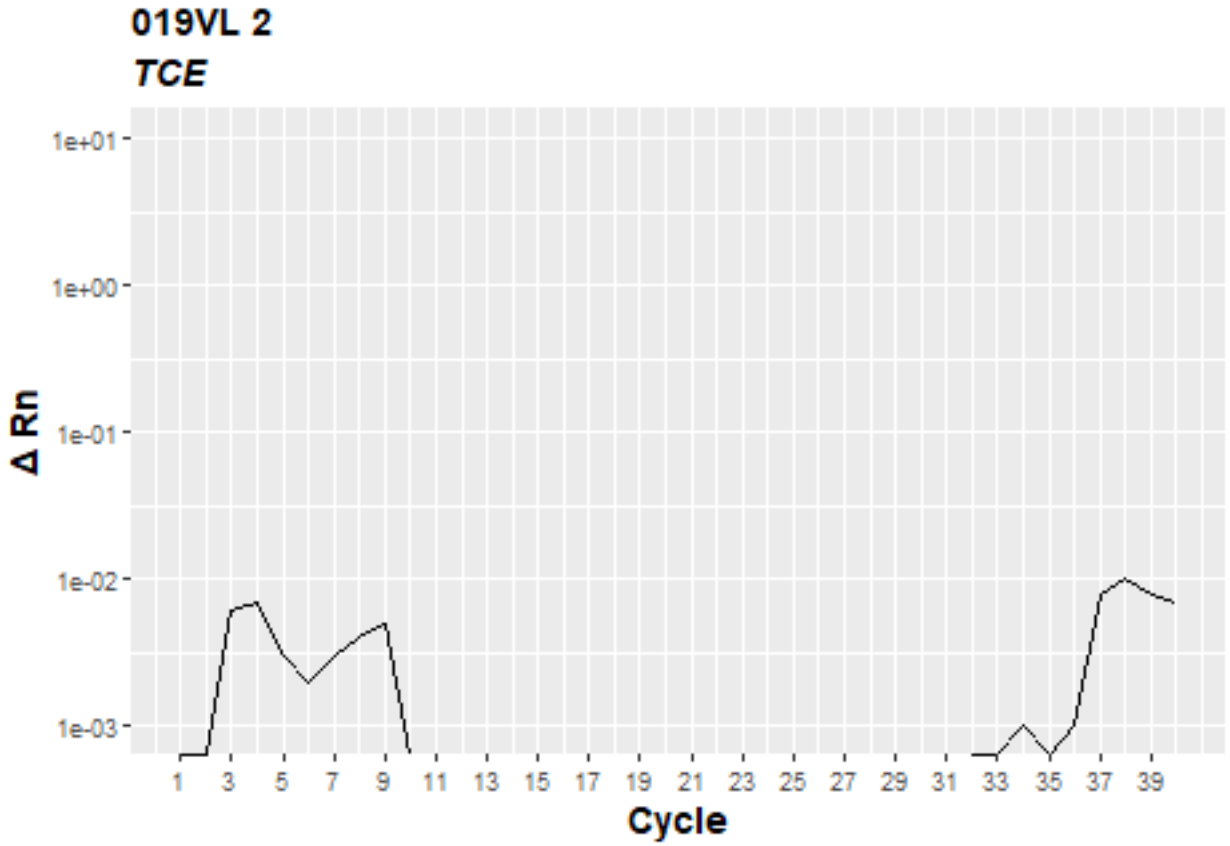

019VL 1
TDR
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

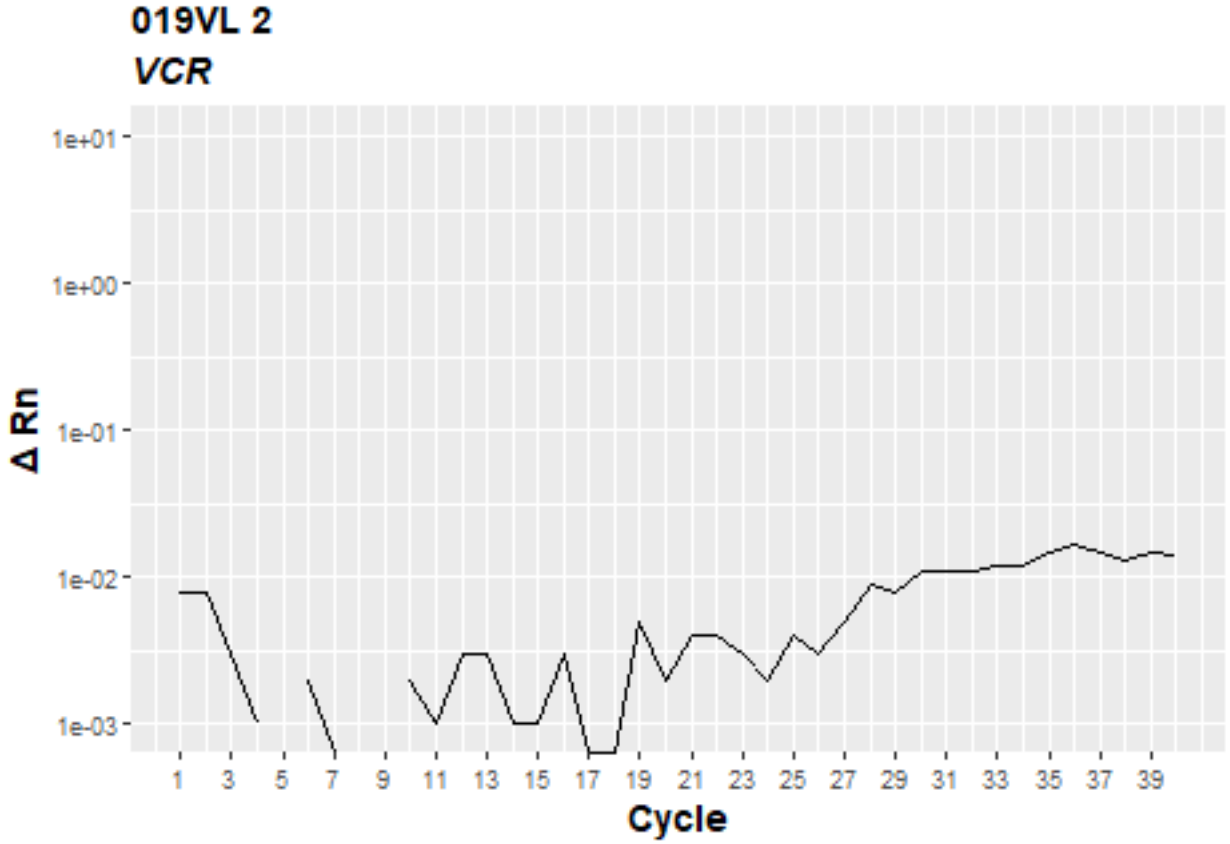

019VL 2
EBAC
ΔRn
1e+01
1e+00
1e-01
1e-02
1e-03
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

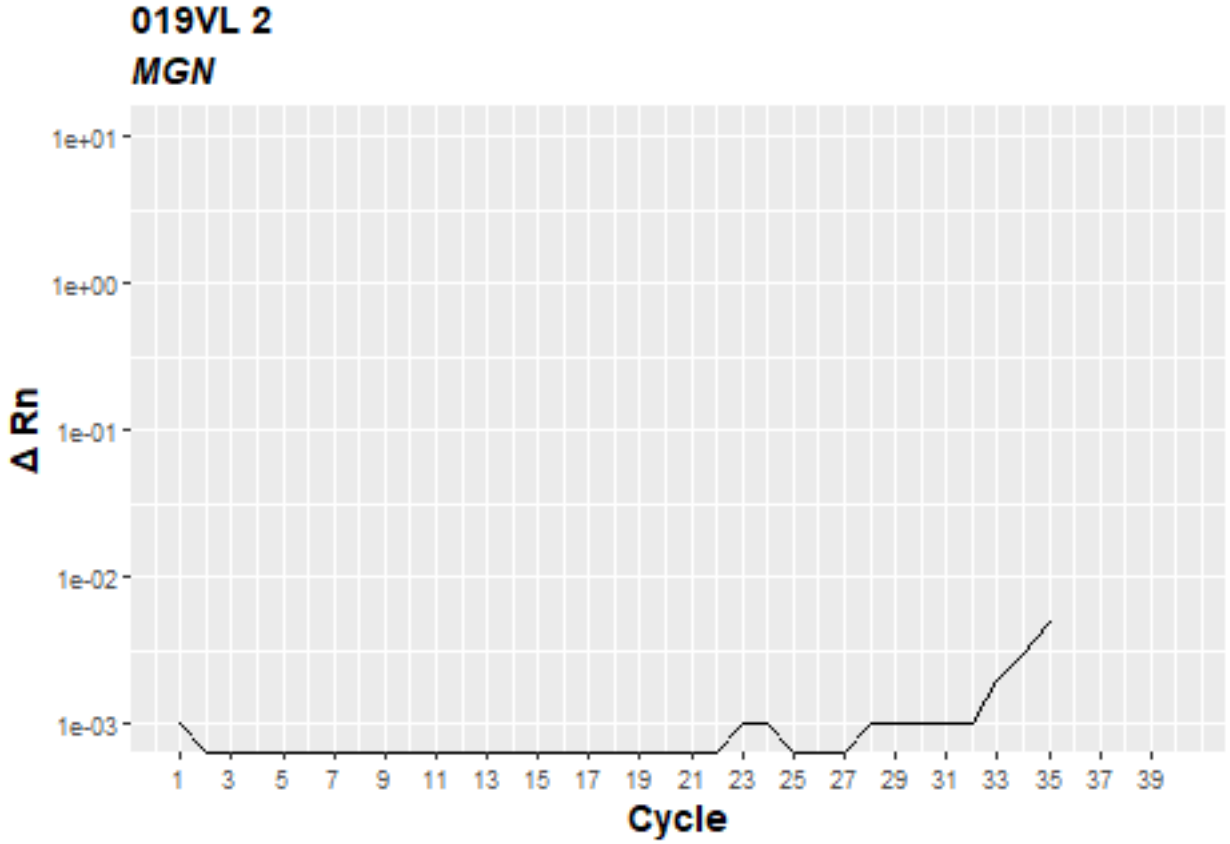

019VL 2
DHC
1e+01
1e+00
1e-01
1e-02
1e-03
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

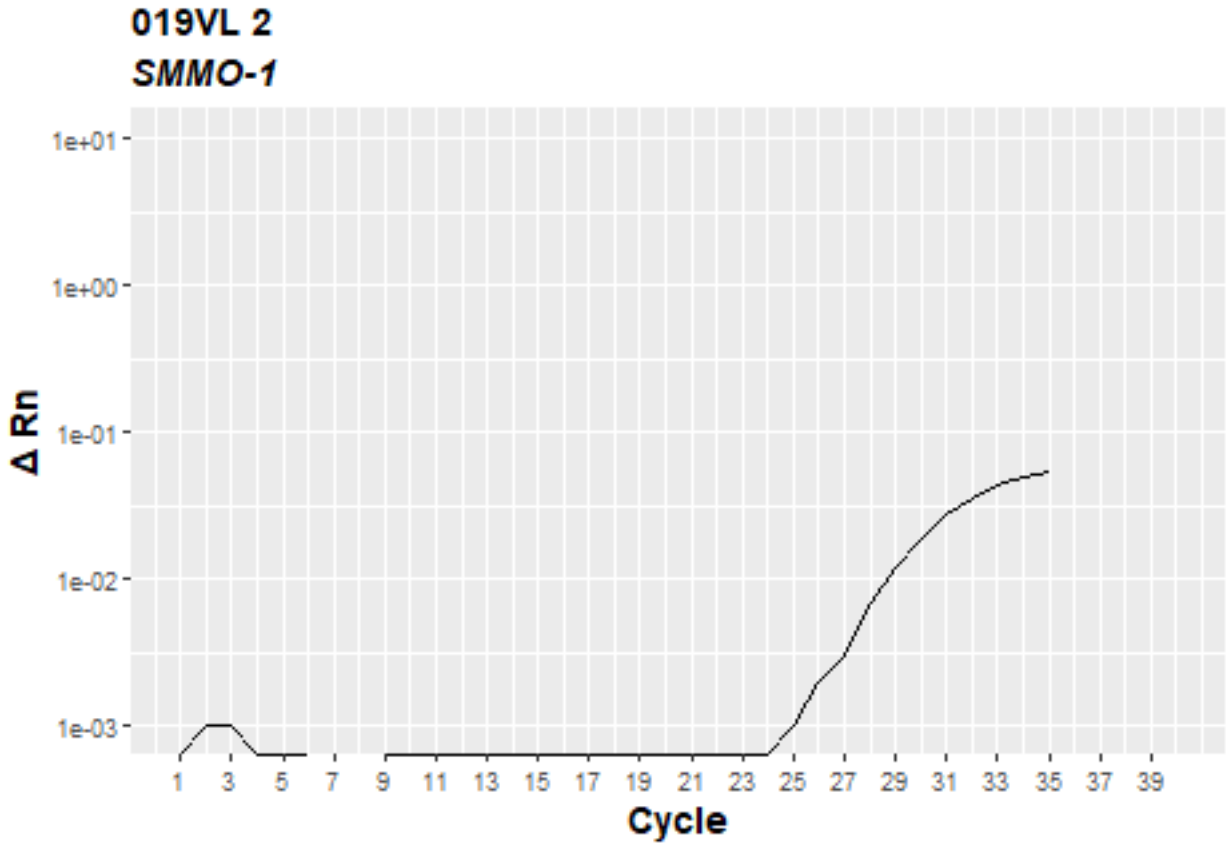

019VL 2
DHC
ΔRn
1e+01
1e+00
1e-01
1e-02
1e-03
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle


019VL 2
BVC
1e+01
1e+00
1e-01
1e-02
1e-03
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

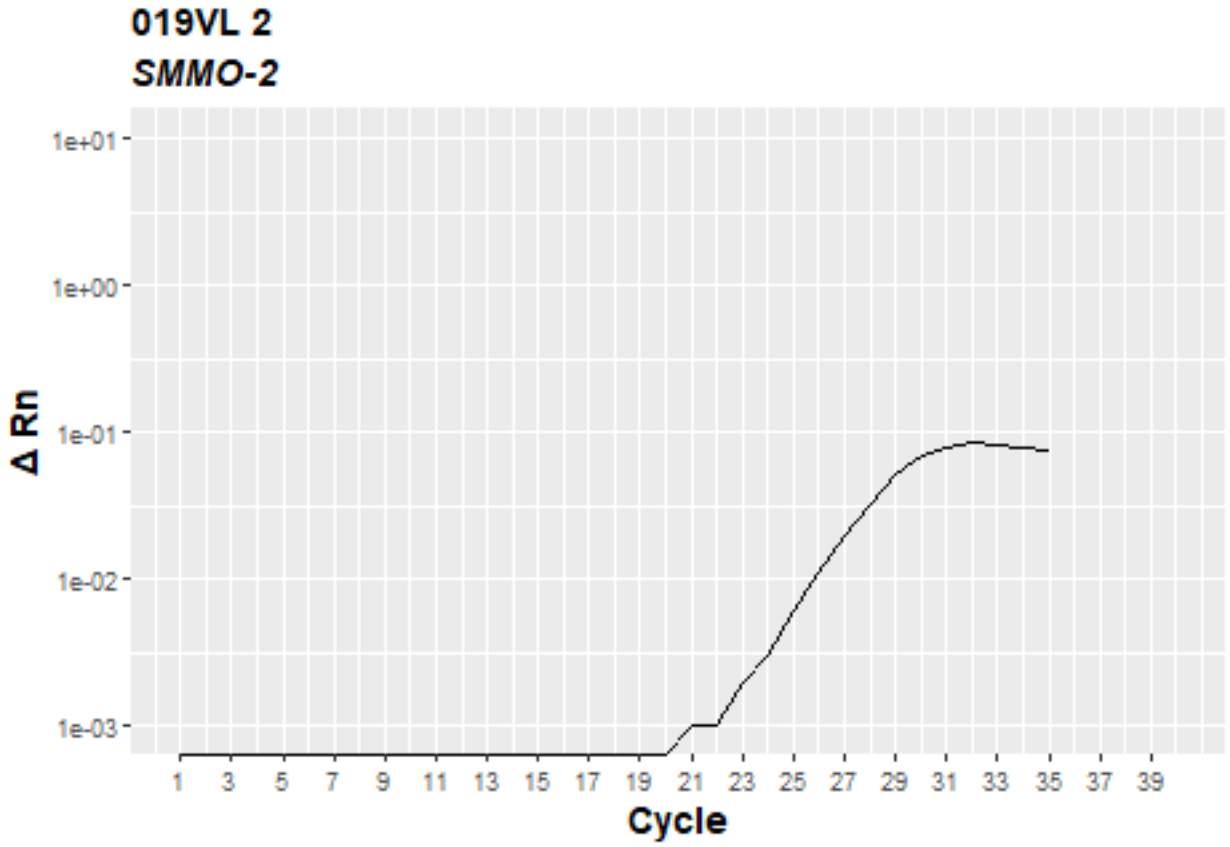

019VL 2
TCE
1e+01
1e+00
1e-01
1e-02
1e-03
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle


019VL 2
VCR
1e+01
1e+00
1e-01
1e-02
1e-03
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

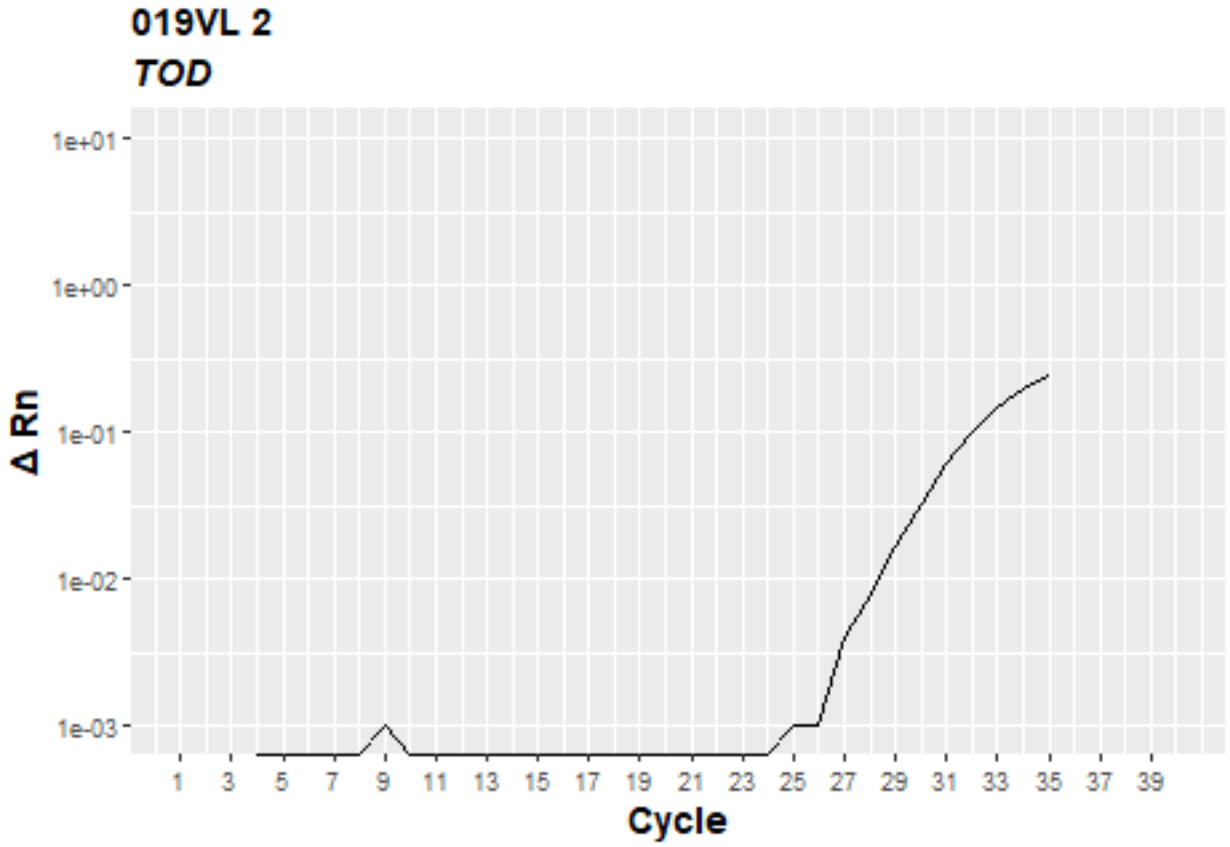

019VL 2
MGN
1e+01
1e+00
1e-01
1e-02
1e-03
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle



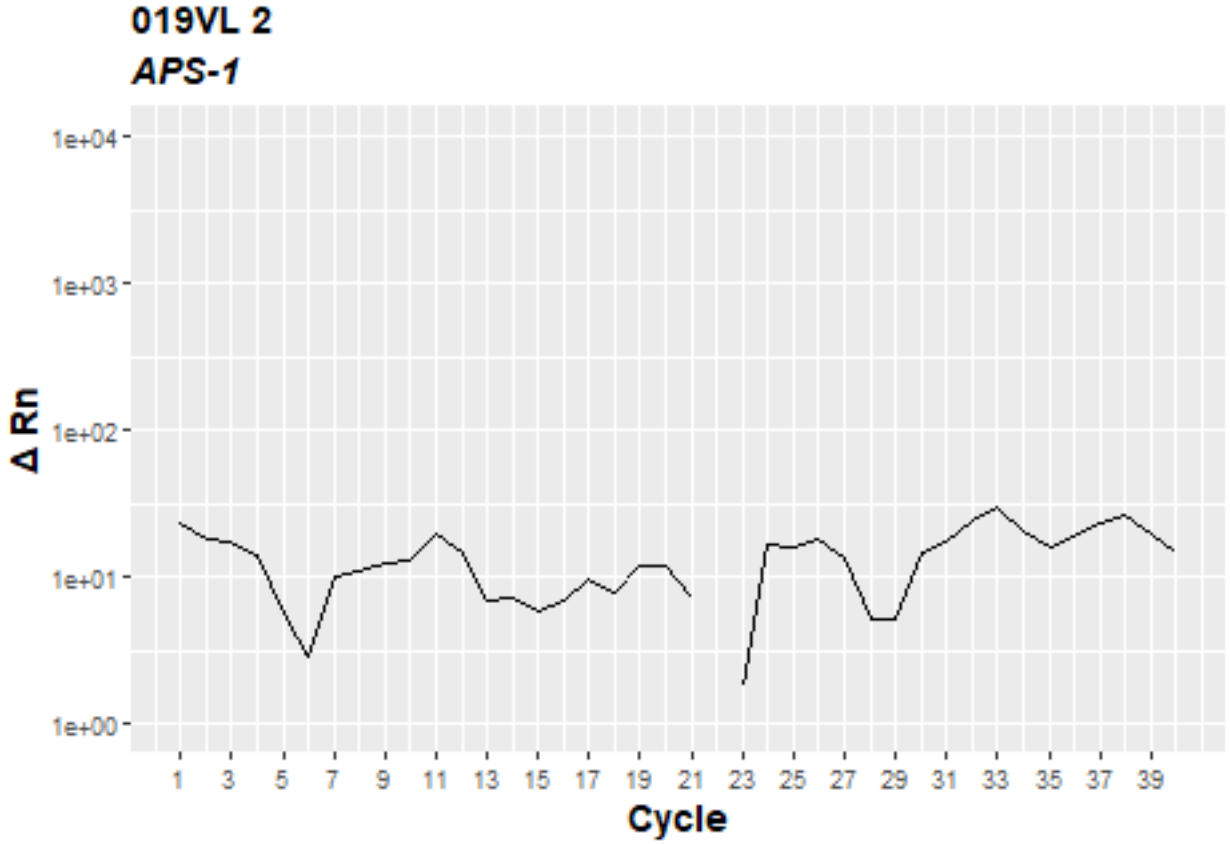
Comments: SMMO-1 for 019VL-2 was manually called 'Undetermined' because it did not match the melting temperature of the positive control.

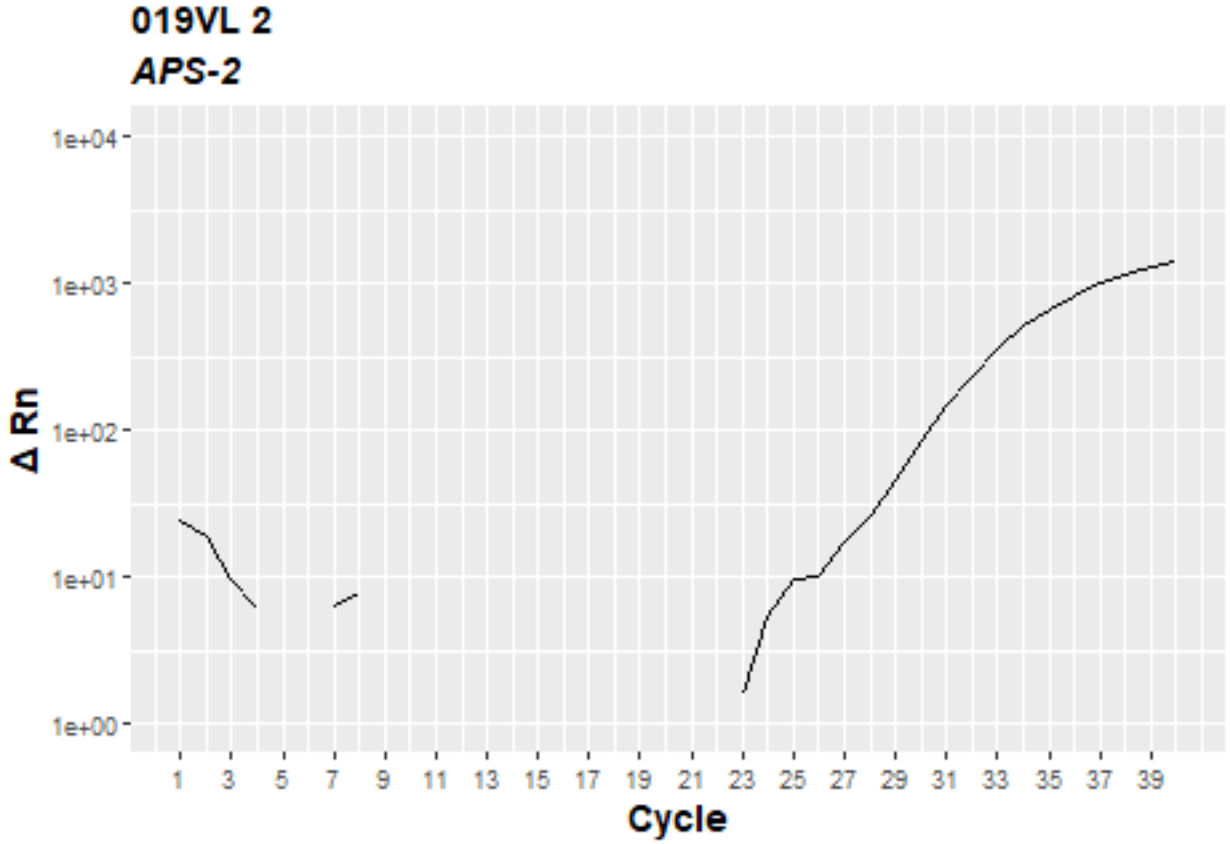


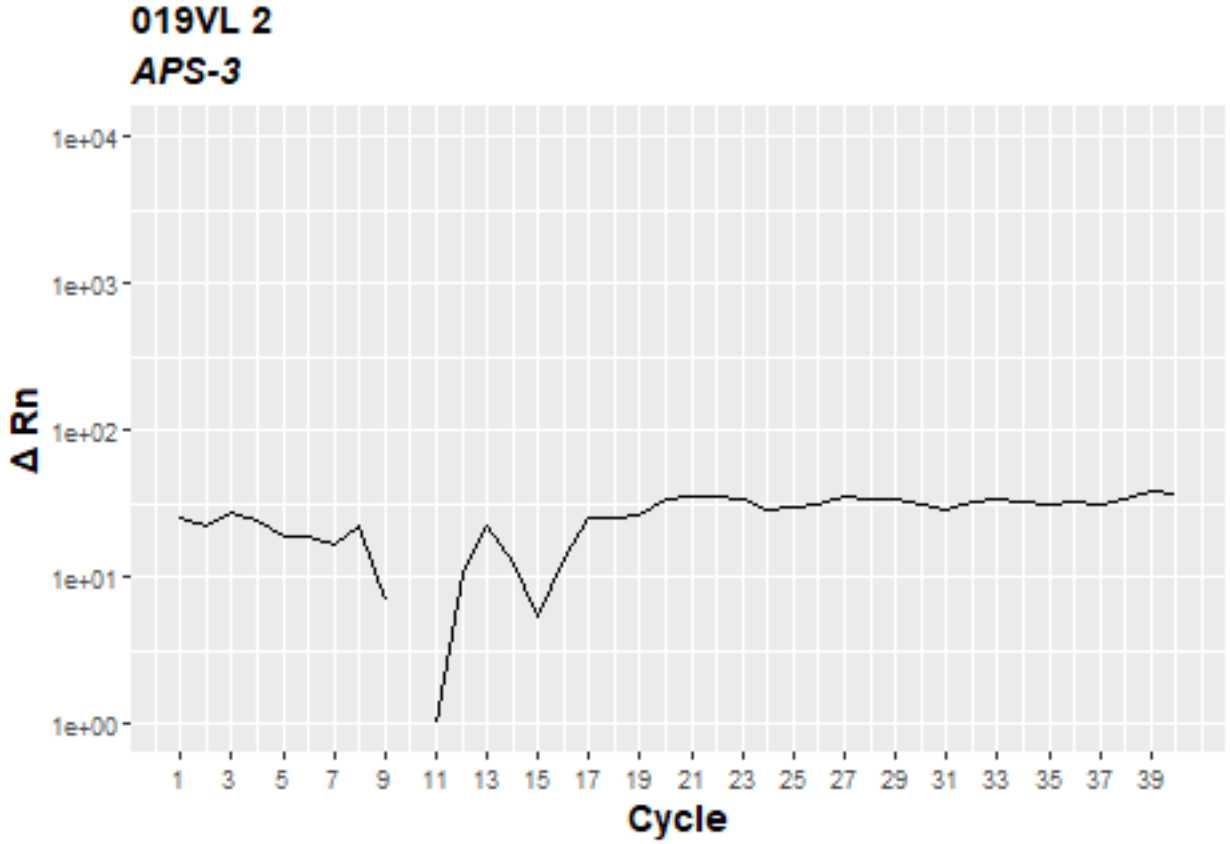
Comments: SMMO-2 for 019VL-2 was manually called 'Undetermined' because it did not match the melting temperature of the positive control.

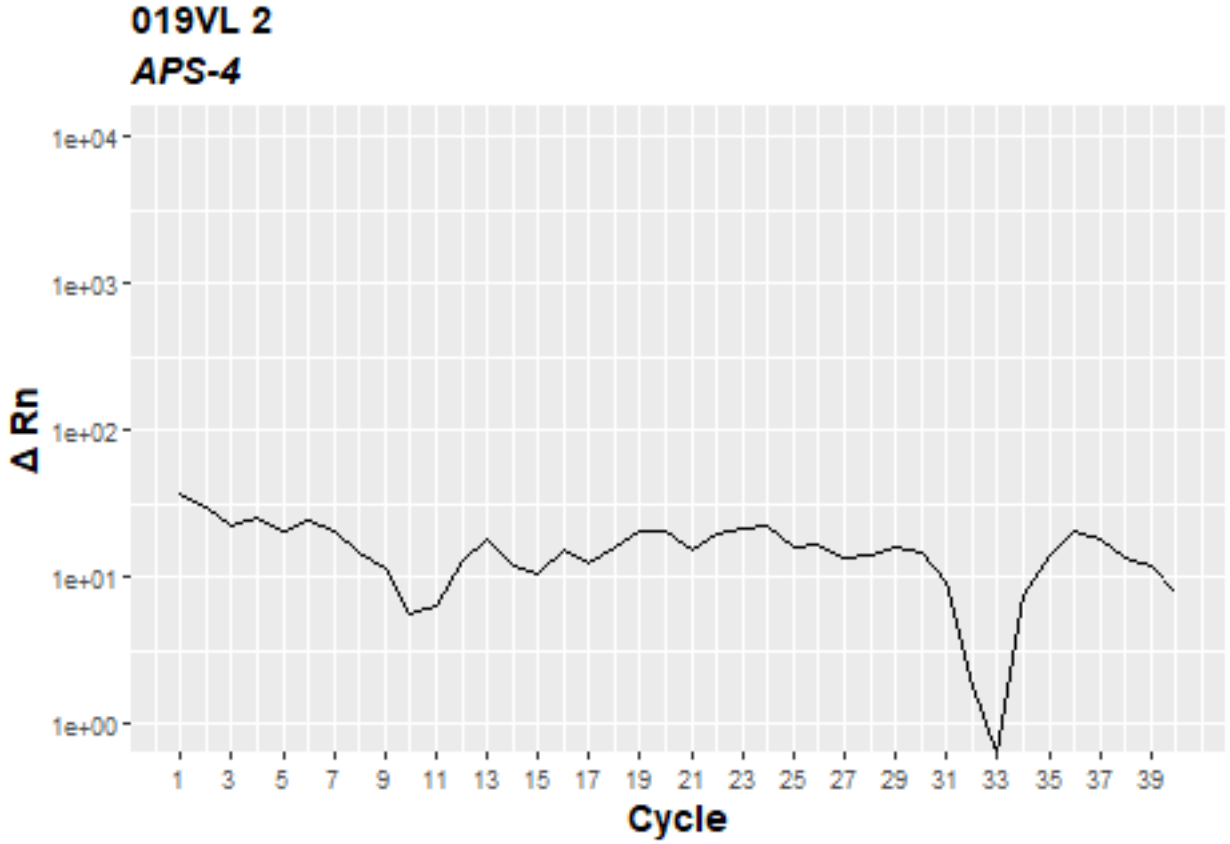


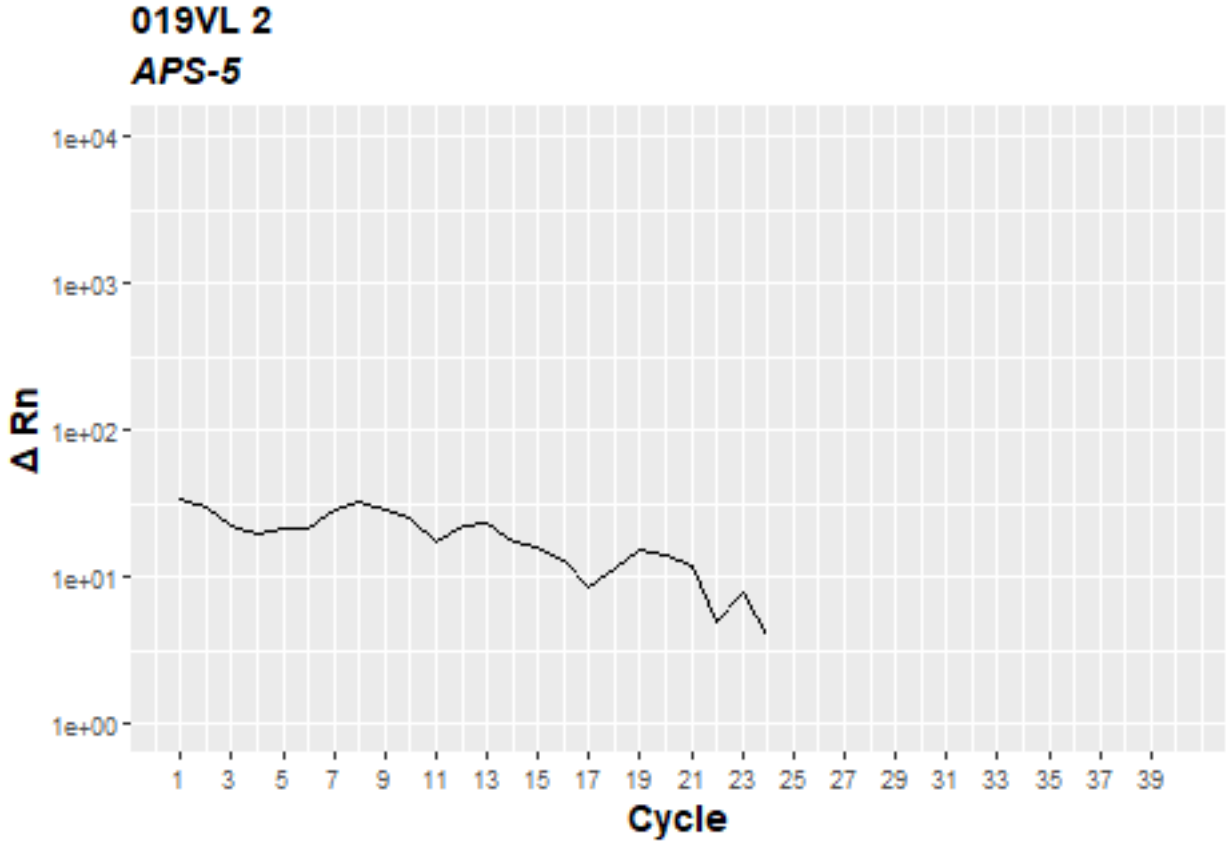
Comments: TOD for 019VL-2 was manually called 'Undetermined' because it did not match the melting temperature of the positive control.

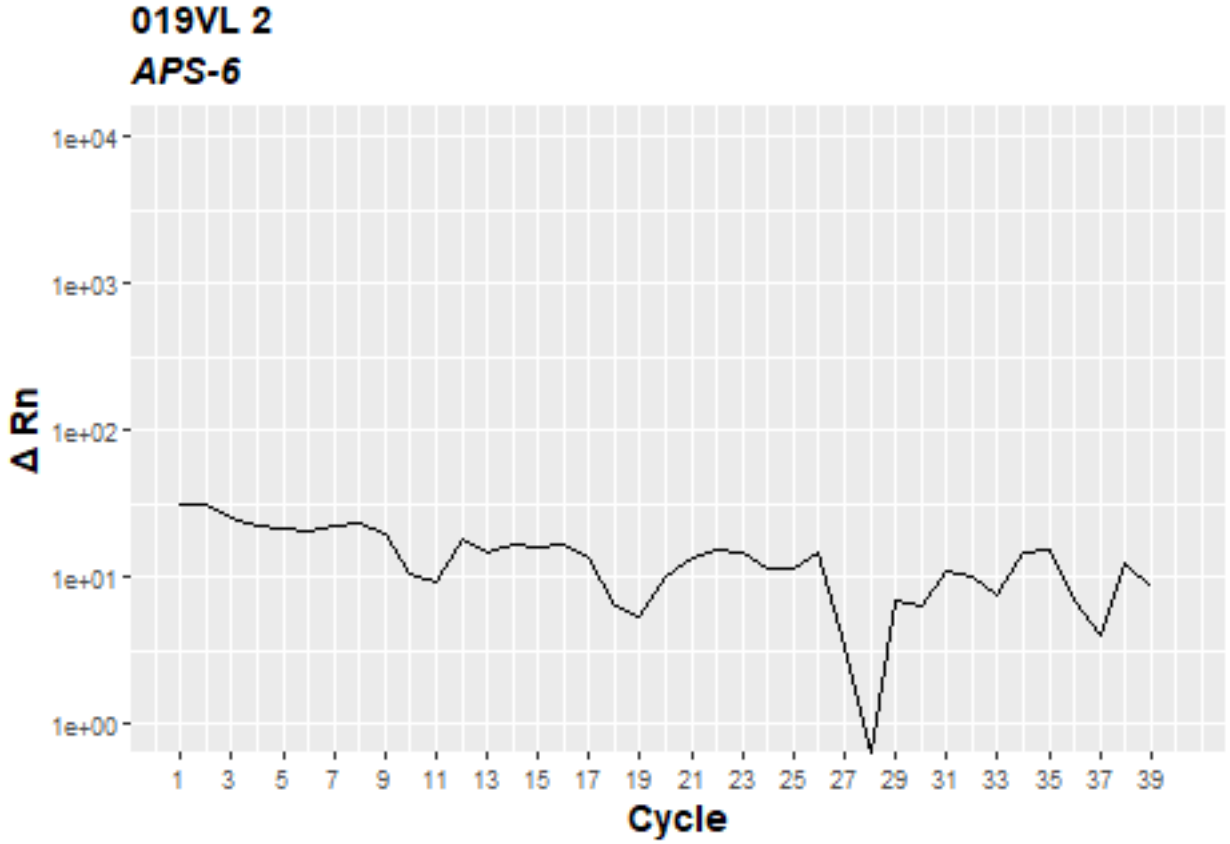

019VL 2
APS-1
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

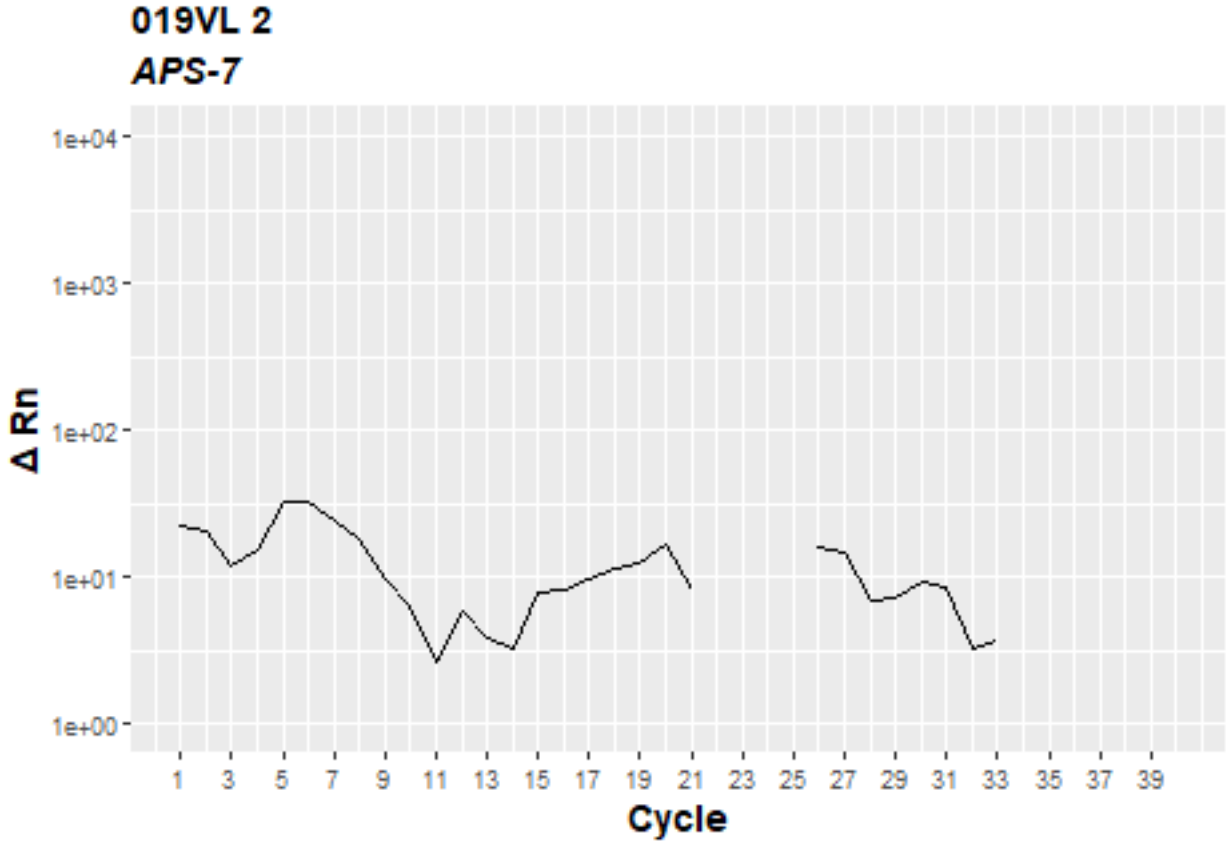

019VL 2
APS-2
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

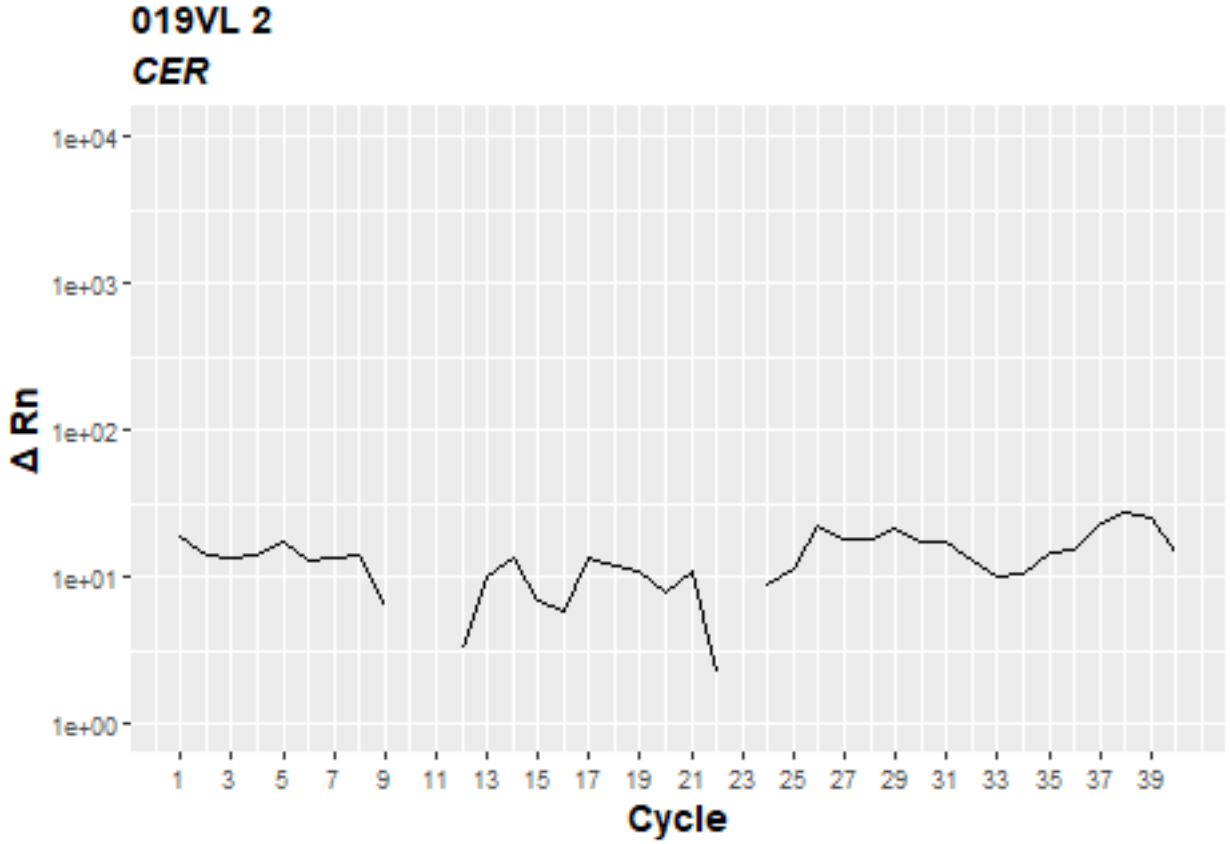

019VL 2
APS-3
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

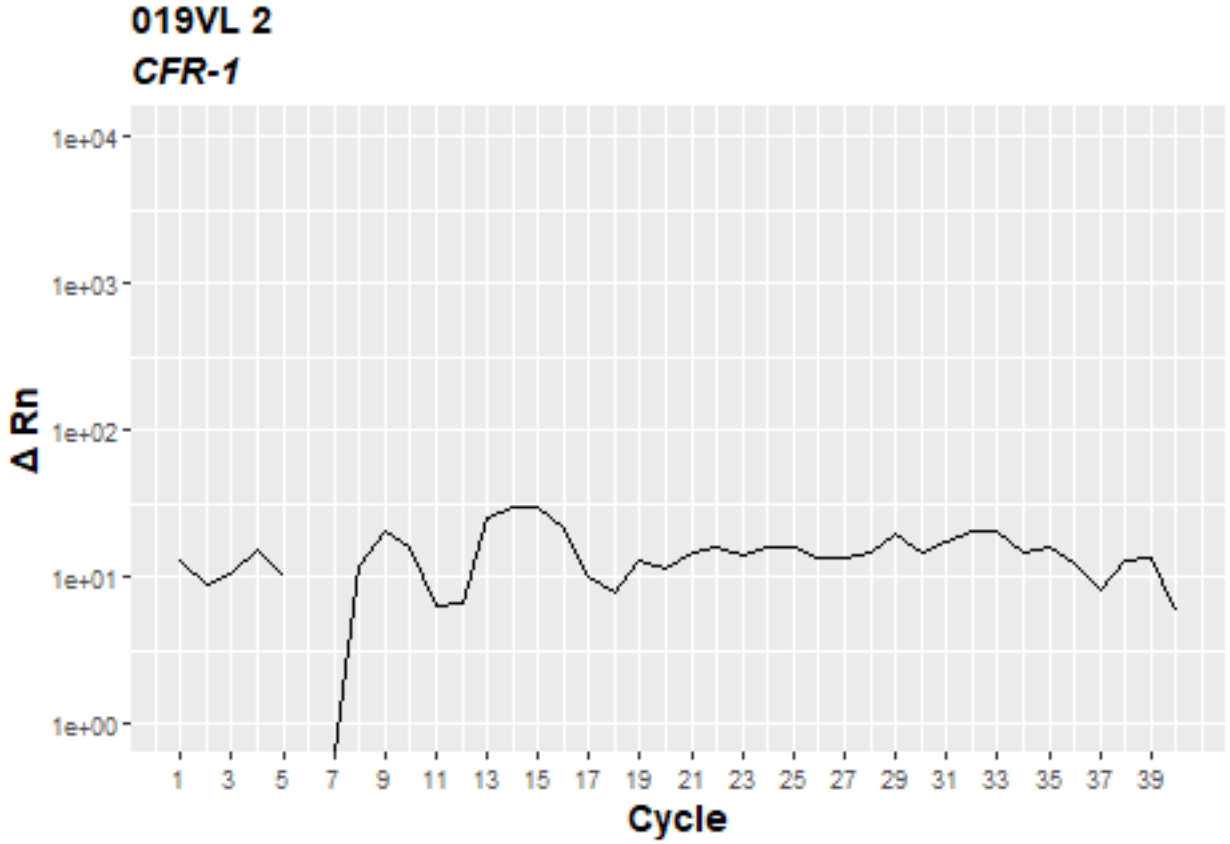

019VL 2
APS-4
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

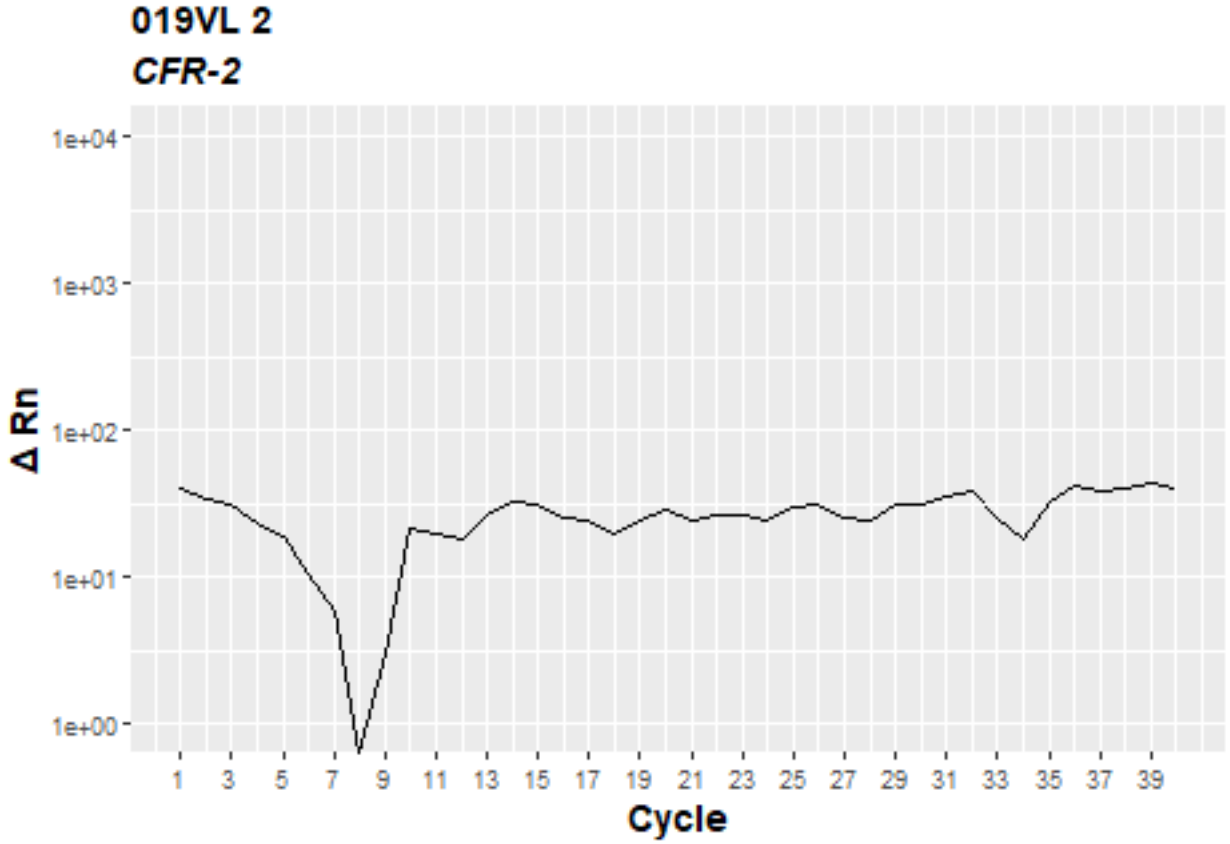

019VL 2
APS-5
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

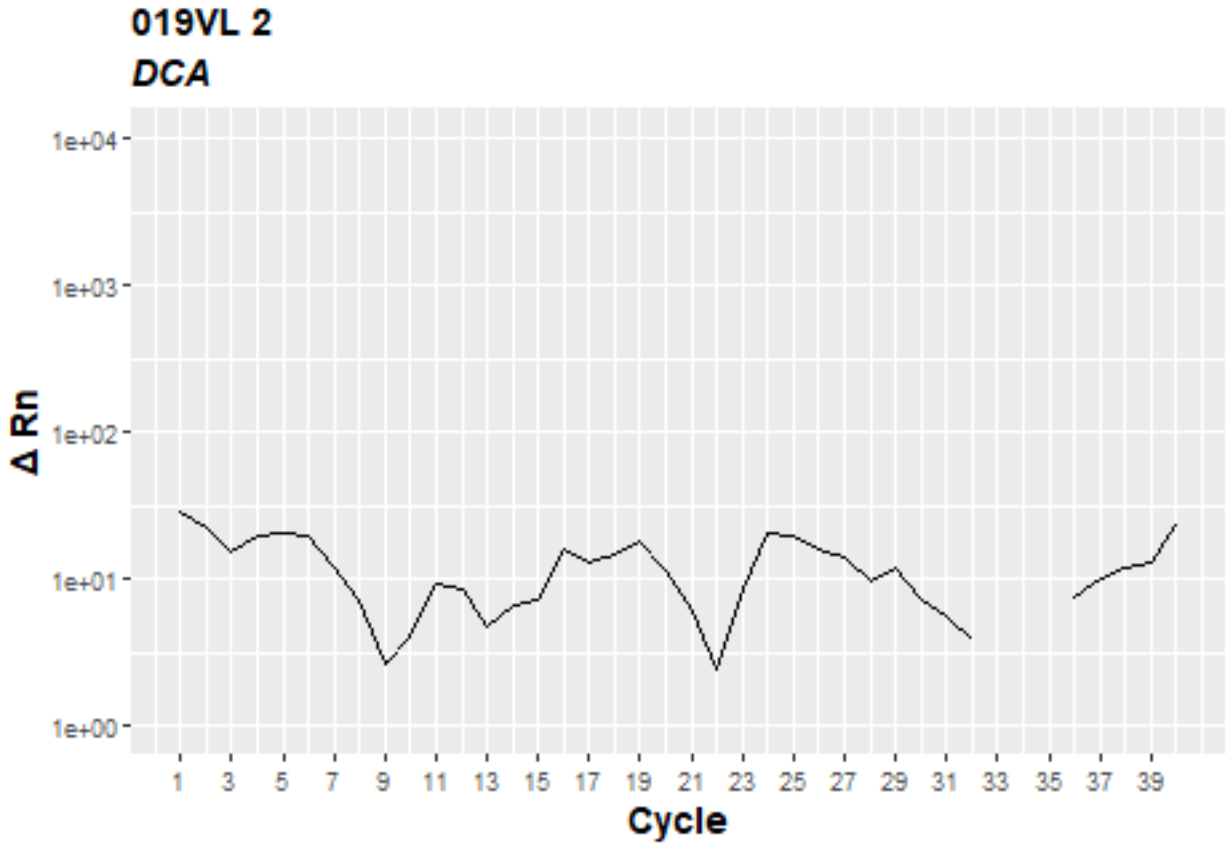

019VL 2
APS-6
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

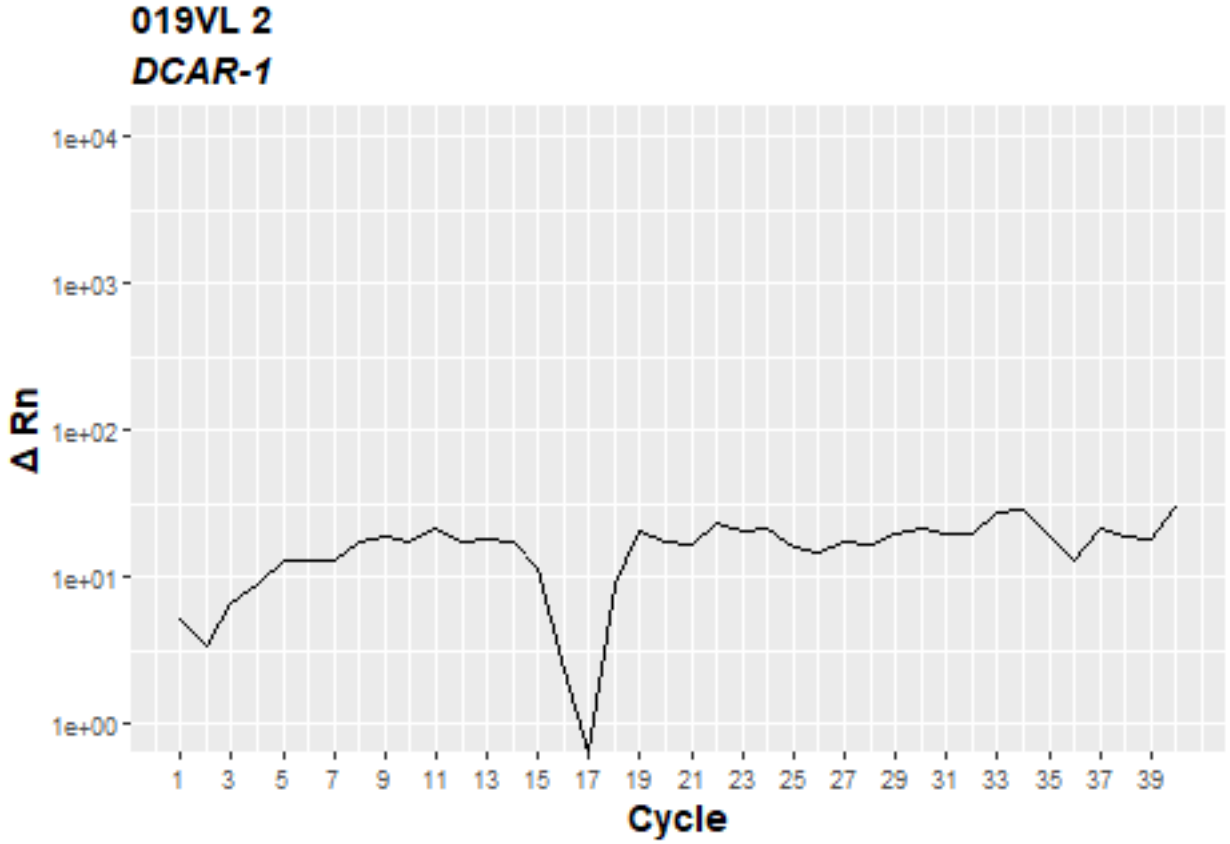

019VL 2
APS-7
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

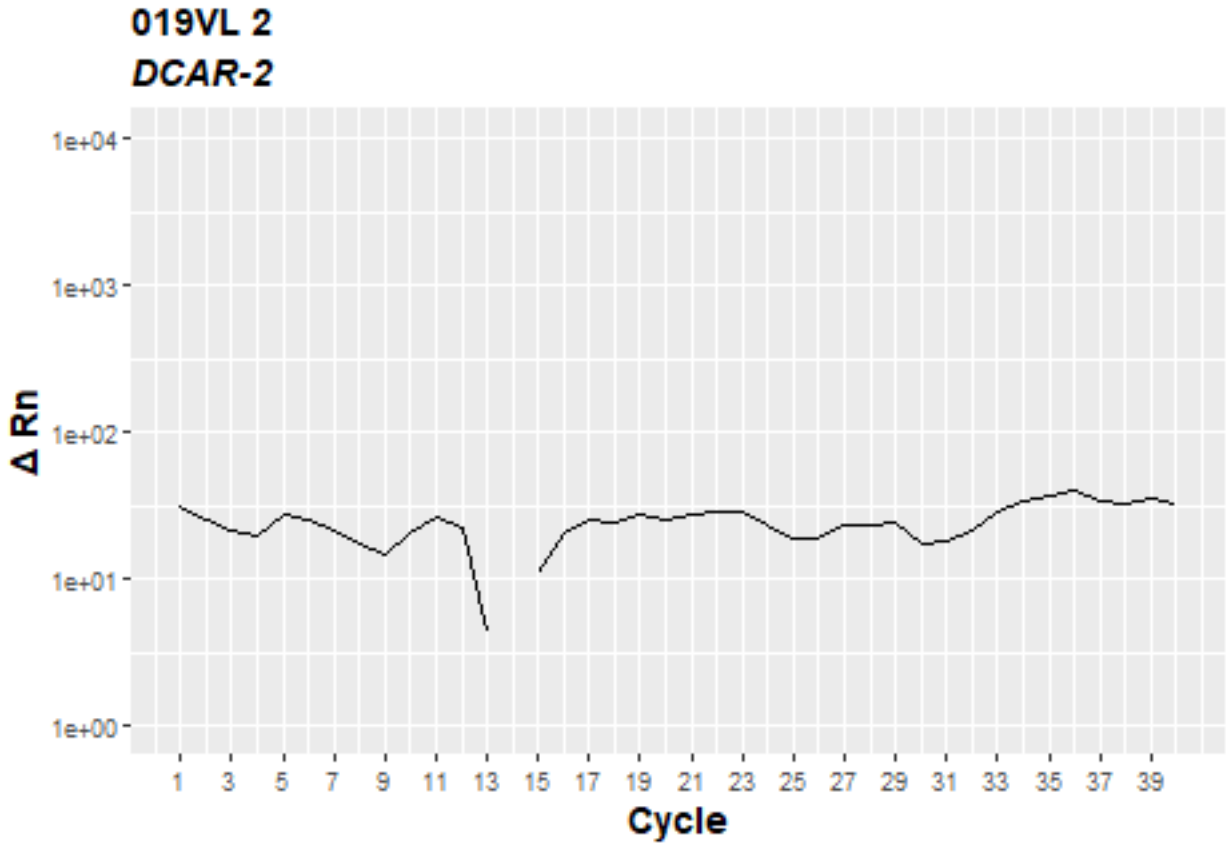

019VL 2
CER
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

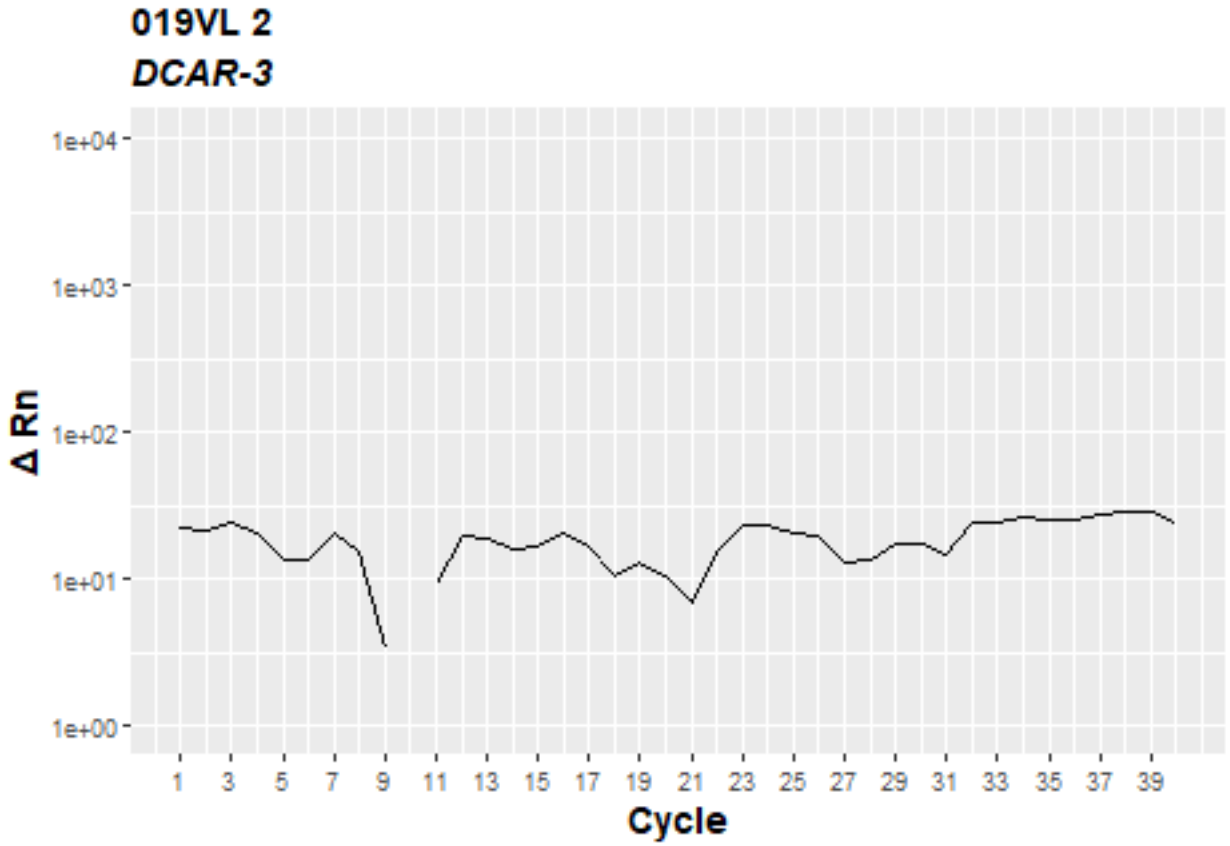

019VL 2
CFR-1
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

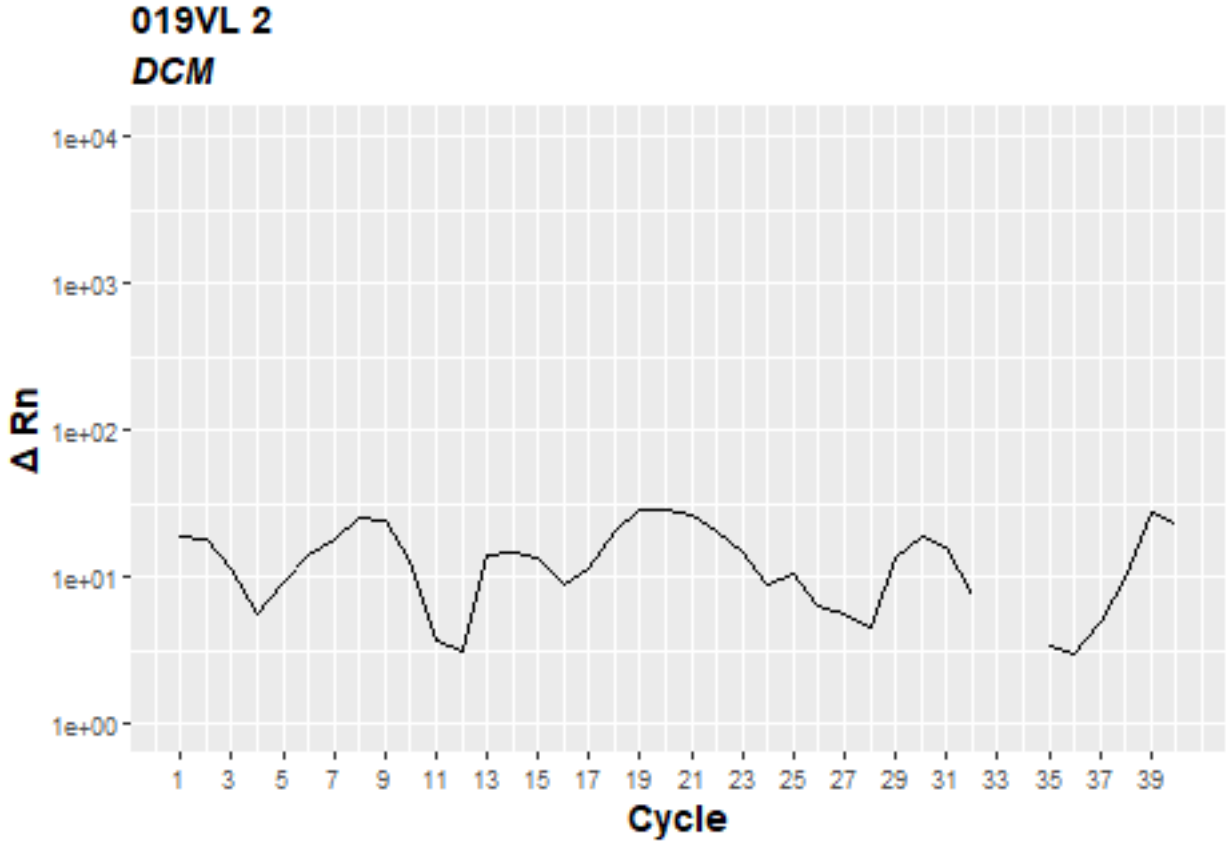

019VL 2
CFR-2
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

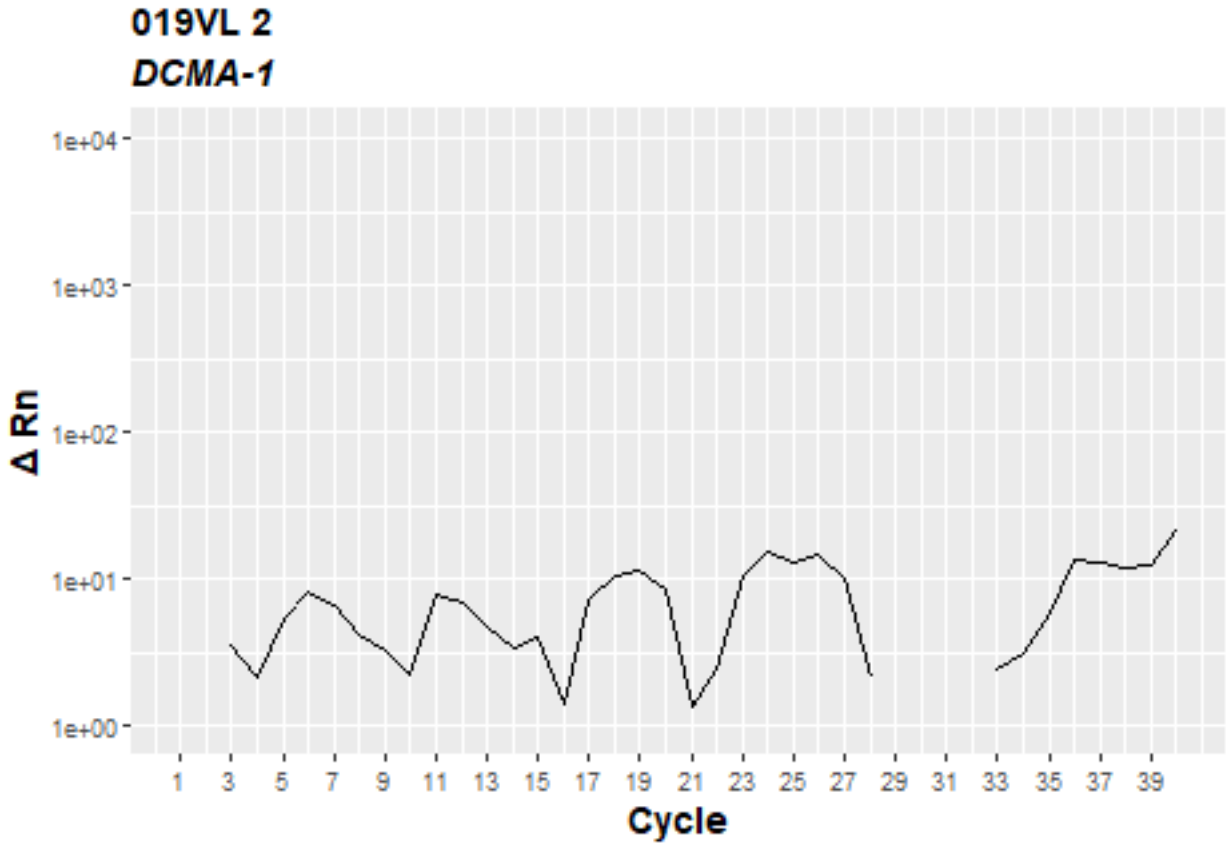

019VL 2
DCA
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

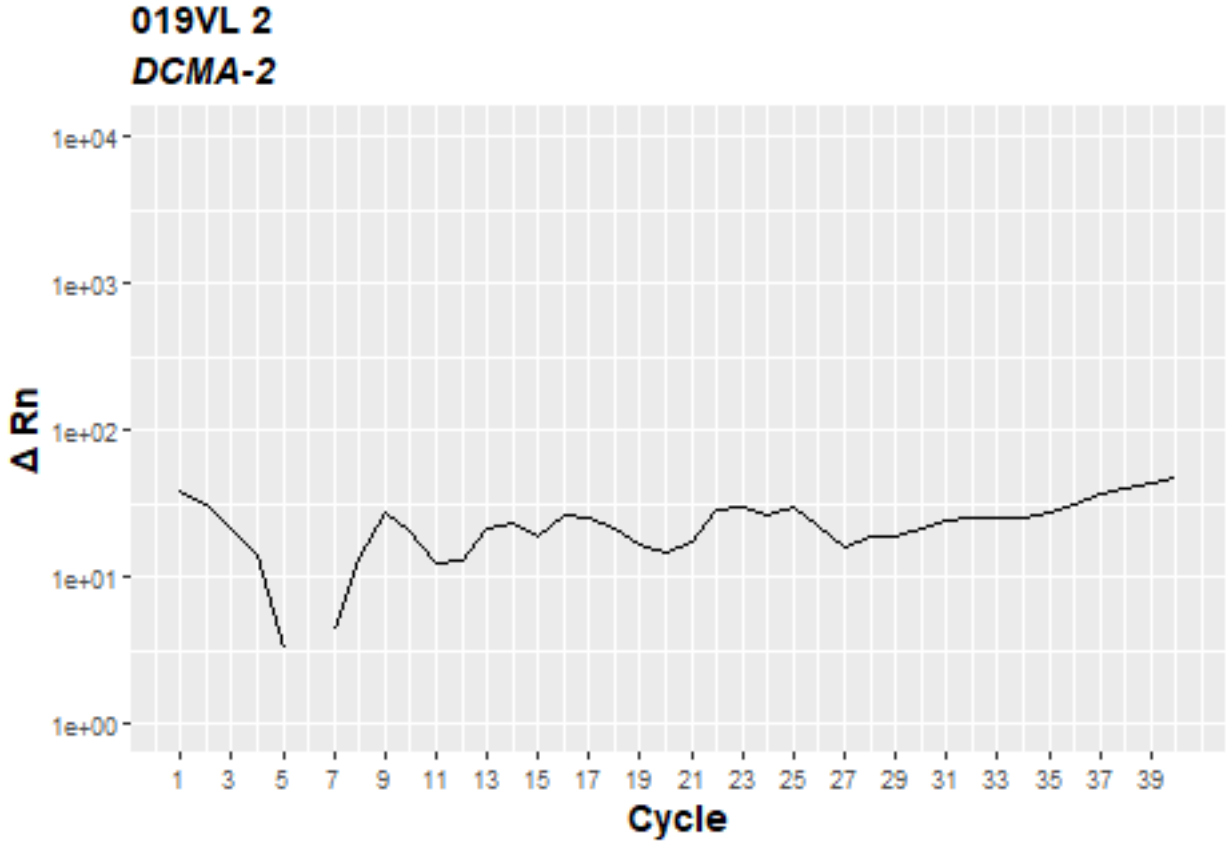

019VL 2
DCAR-1
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

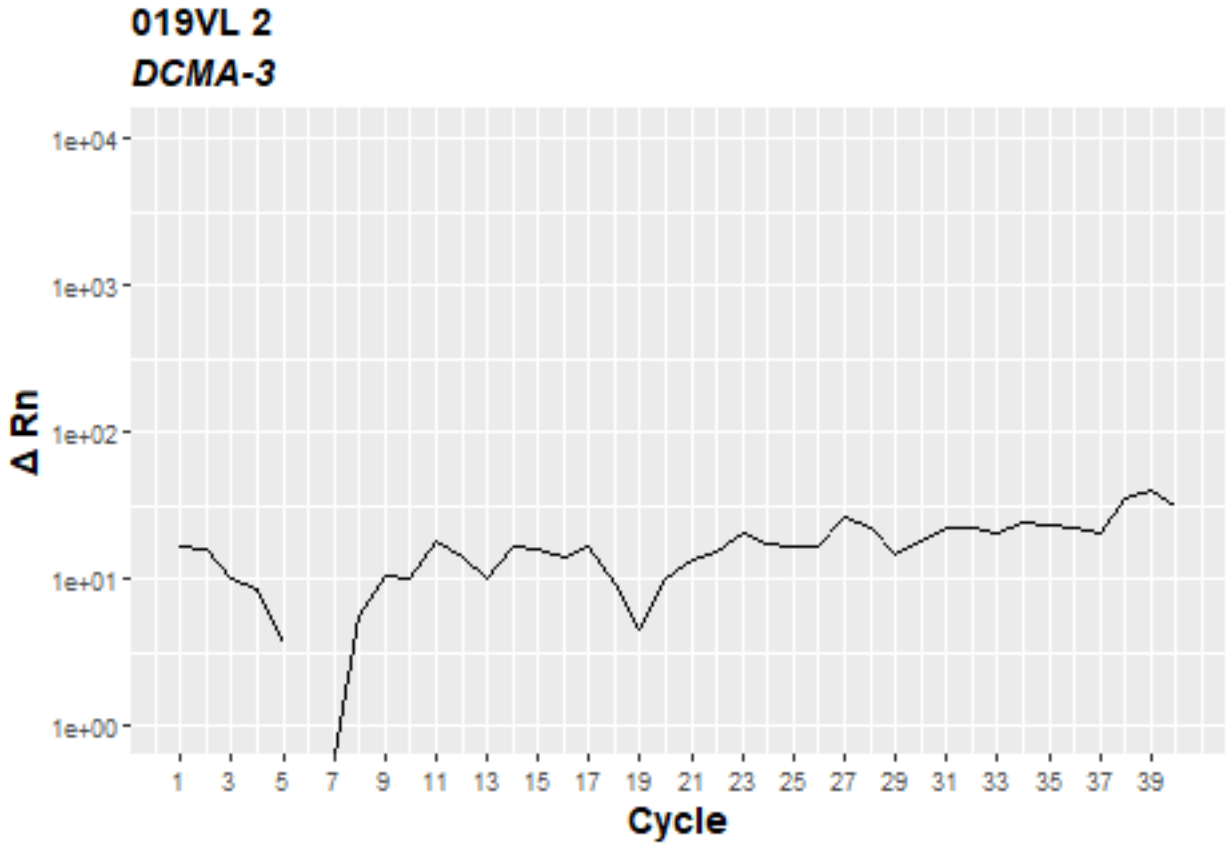

019VL 2
DCAR-2
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

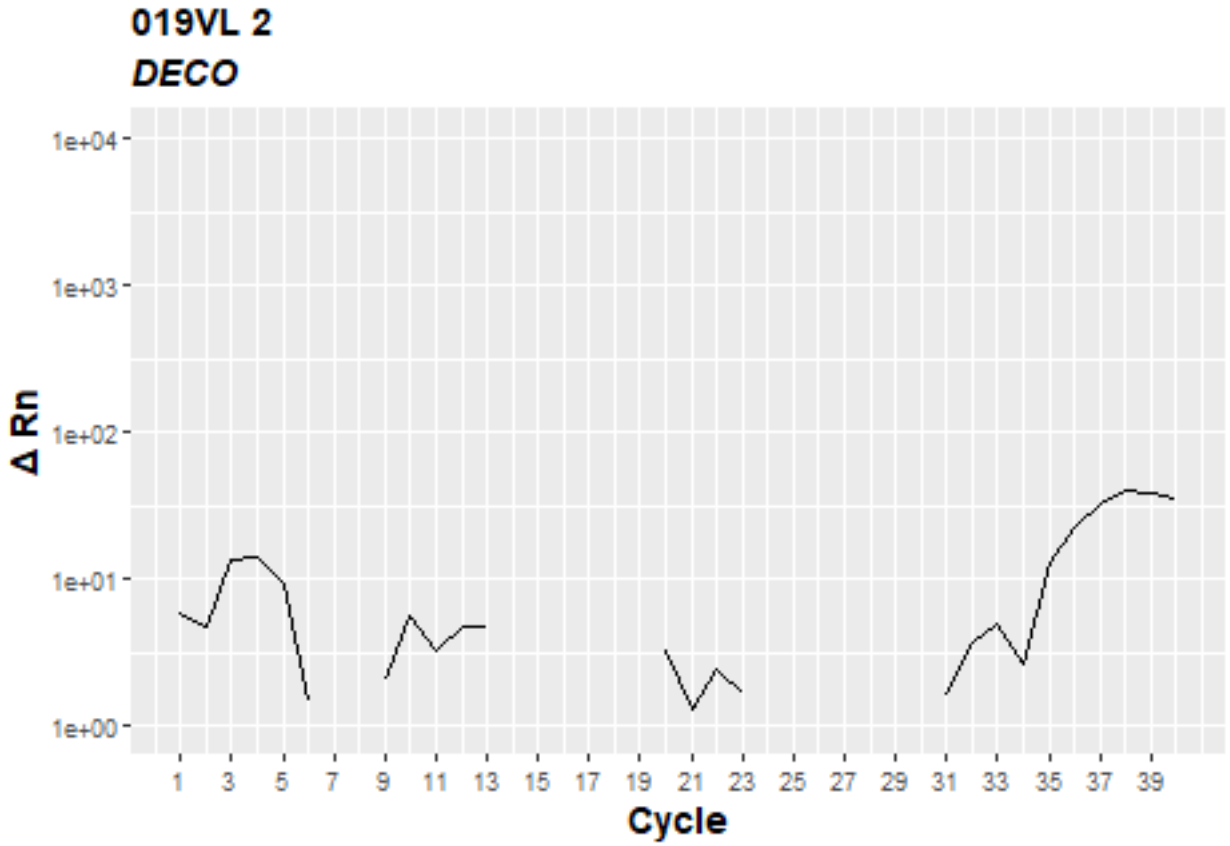

019VL 2
DCAR-3
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

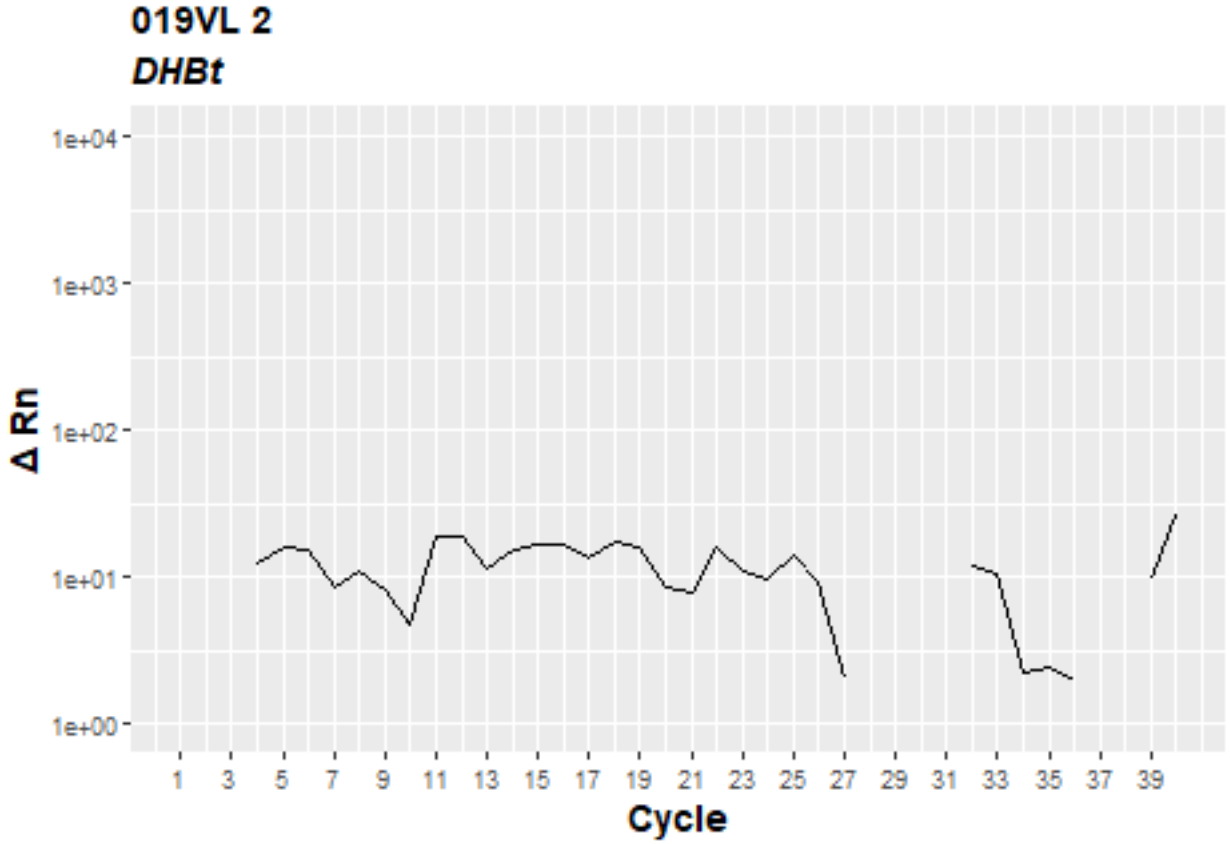

019VL 2
DCM
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

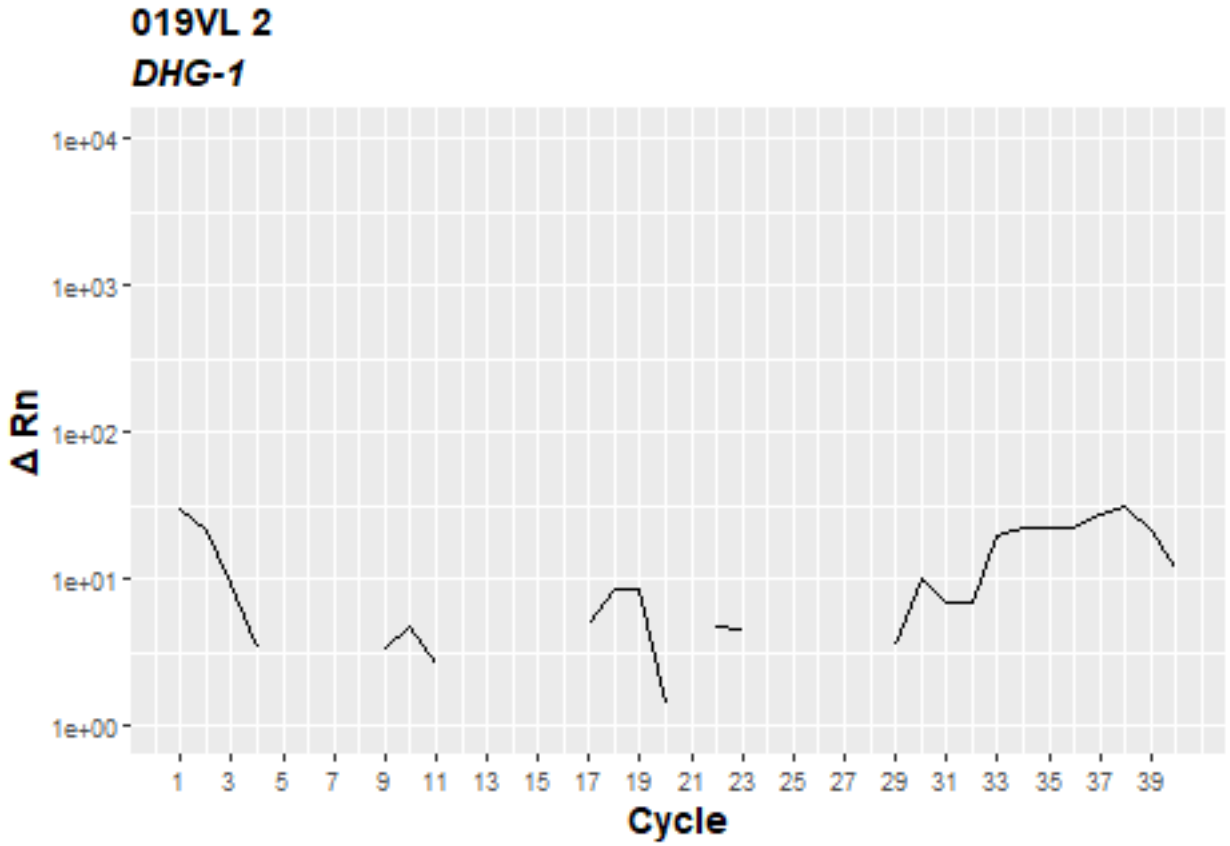

019VL 2
DCMA-1
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

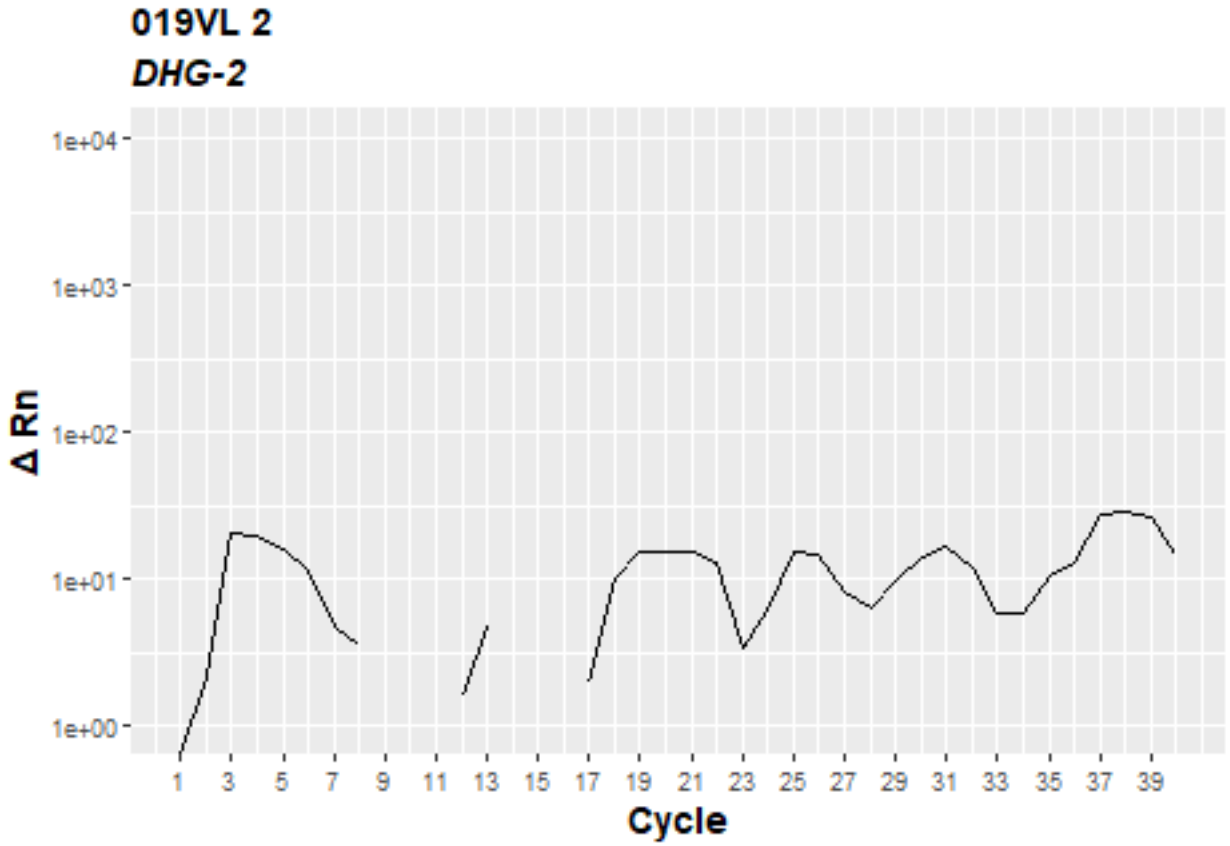

019VL 2
DCMA-2
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

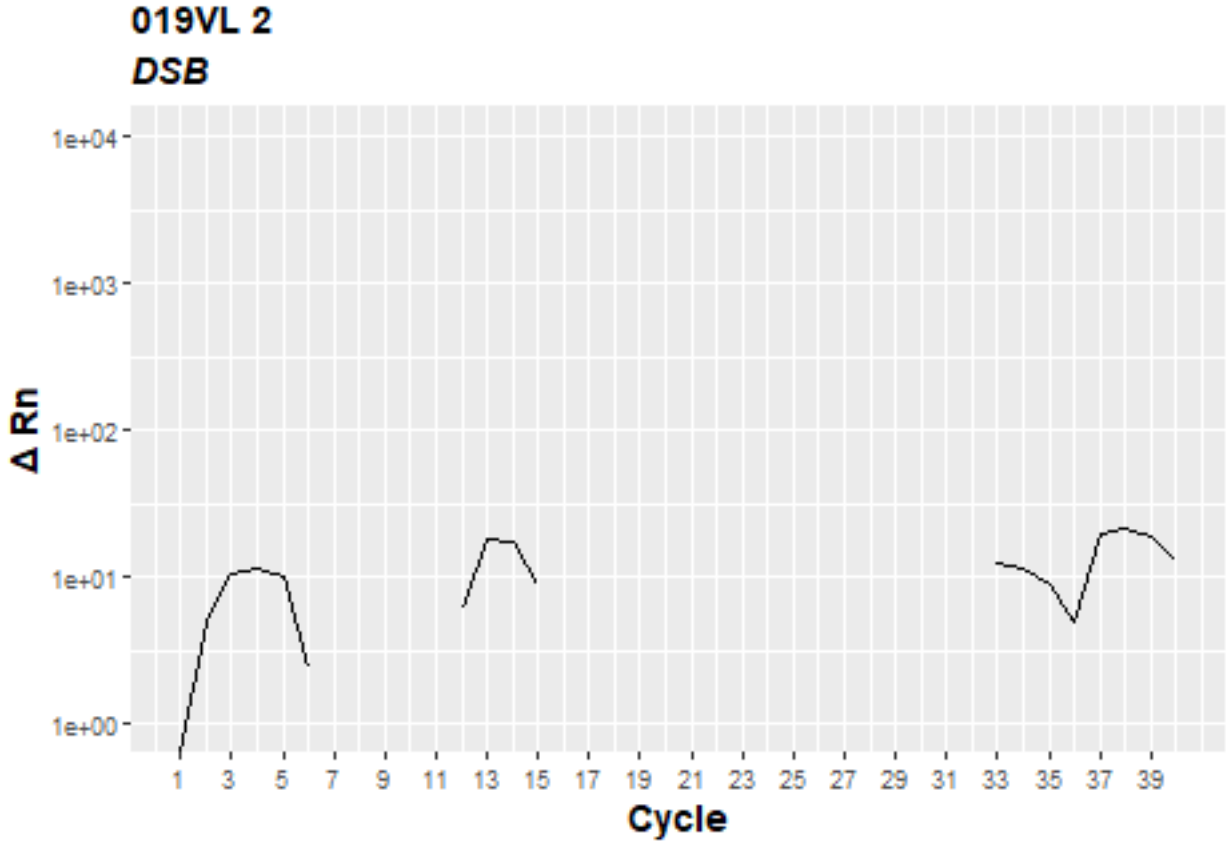

019VL 2
DCMA-3
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

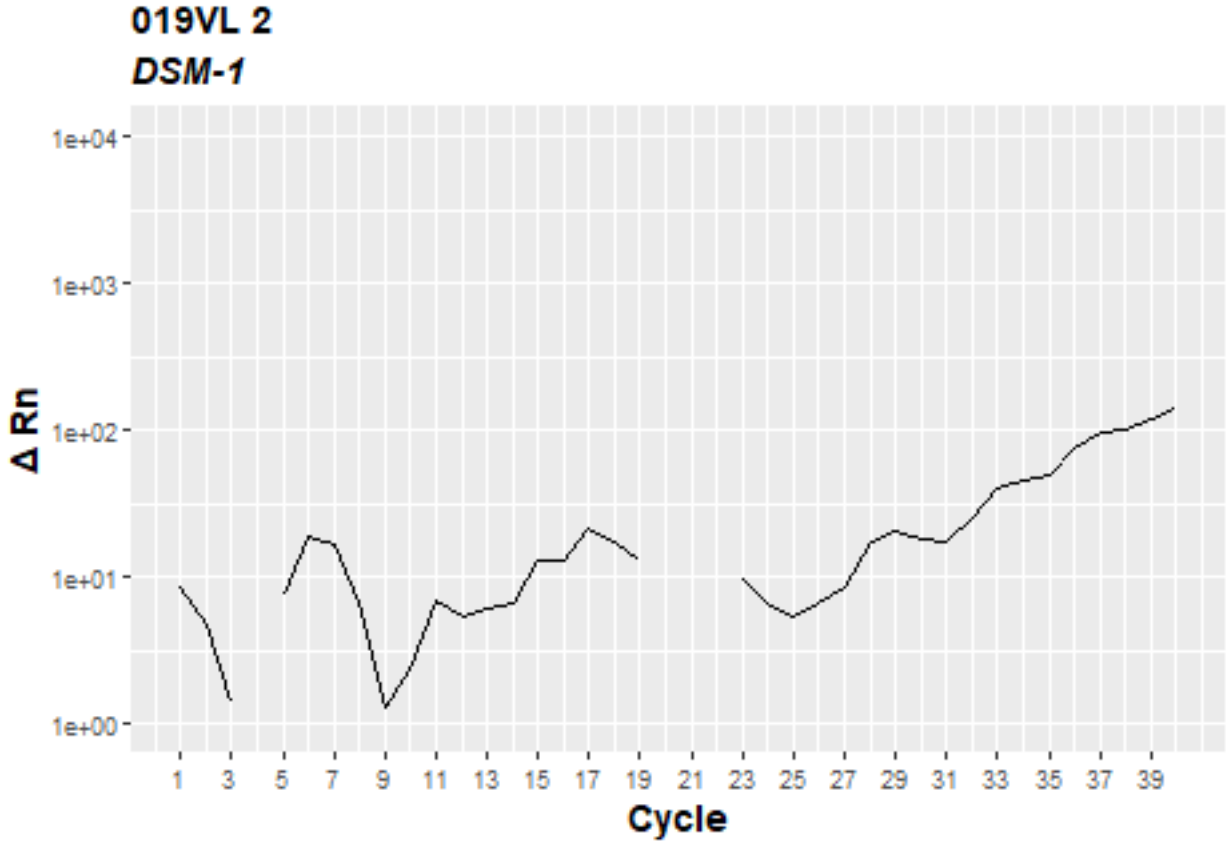

019VL 2
DECO
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

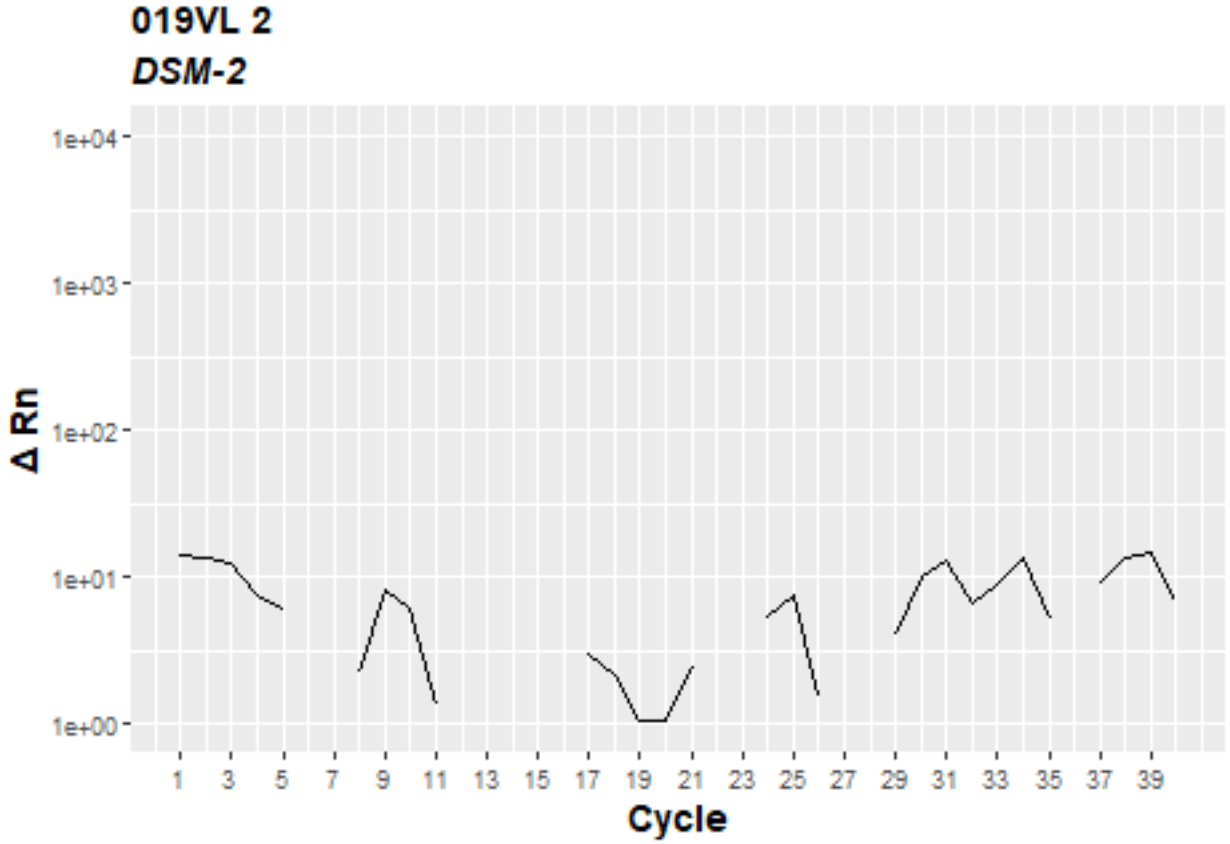

019VL 2
DHBt
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

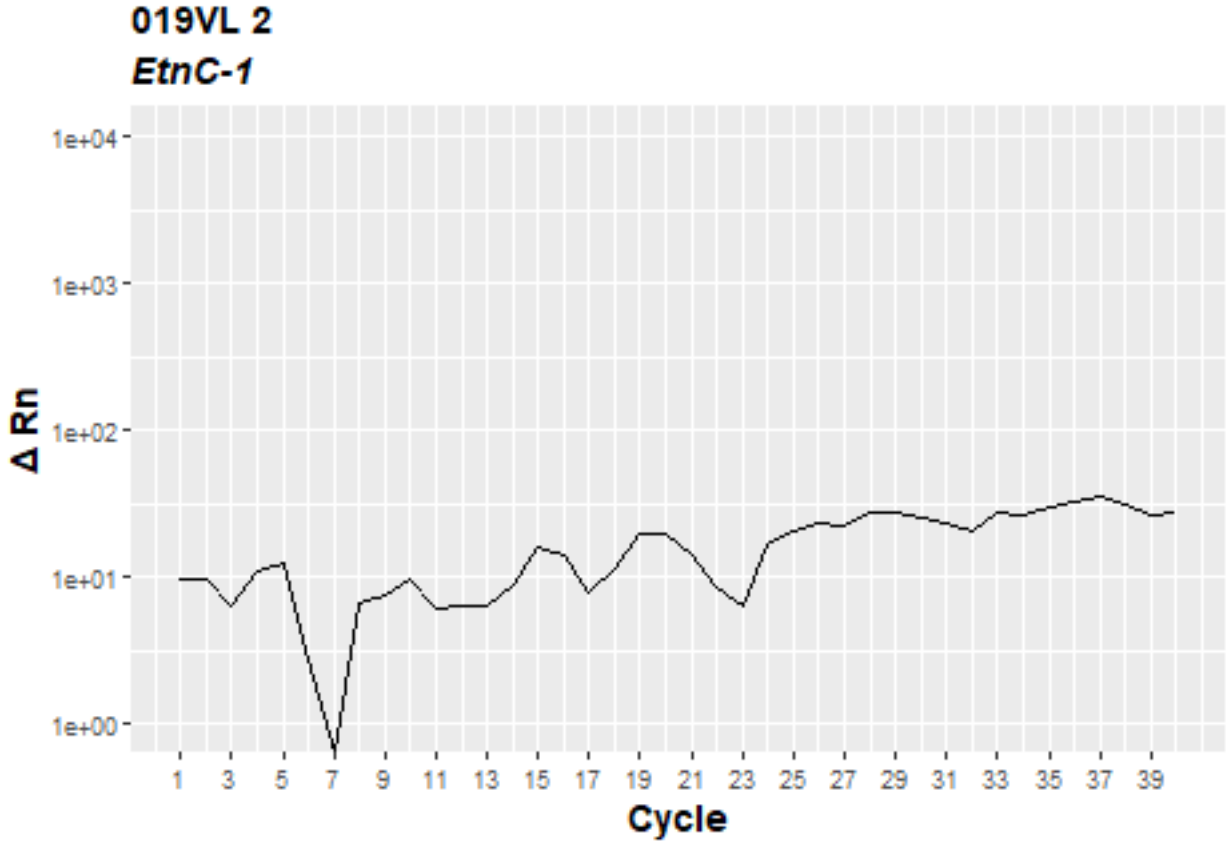

019VL 2
DHG-1
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

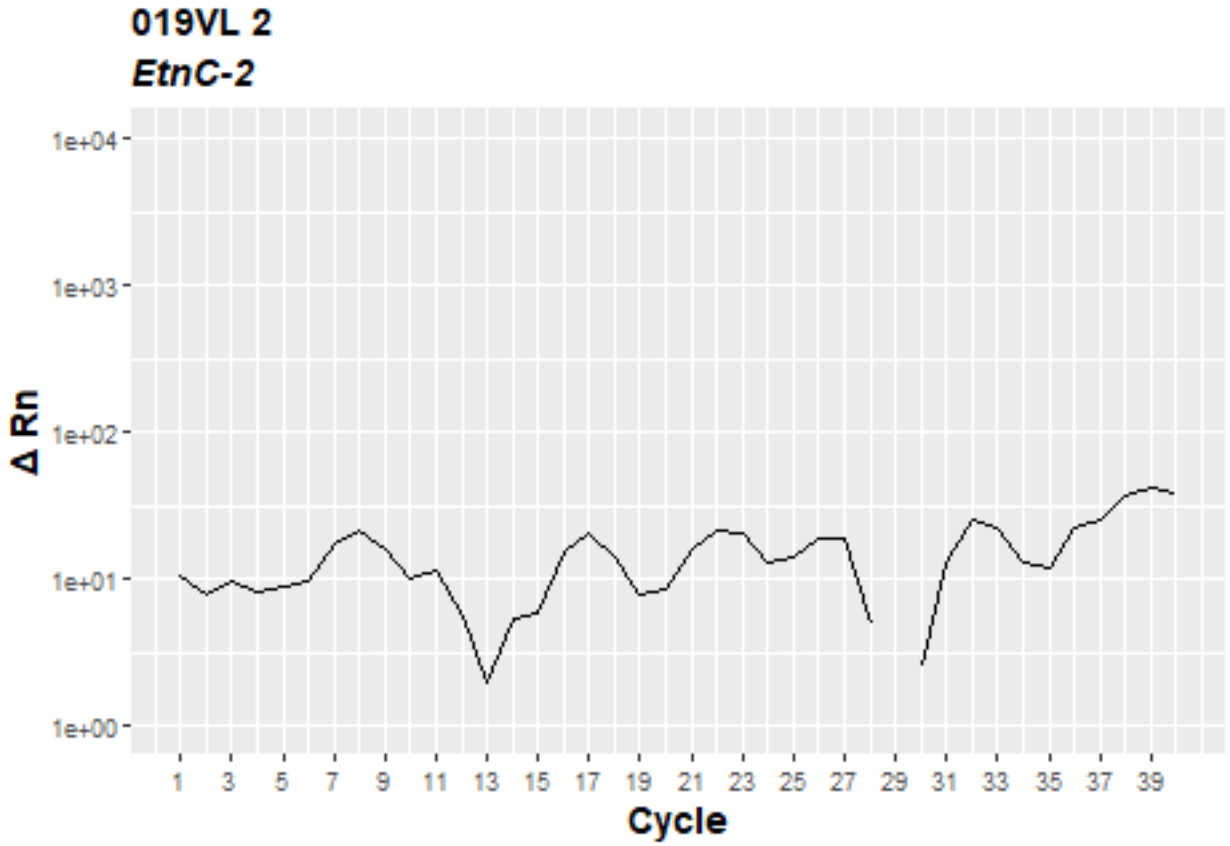

019VL 2
DHG-2
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

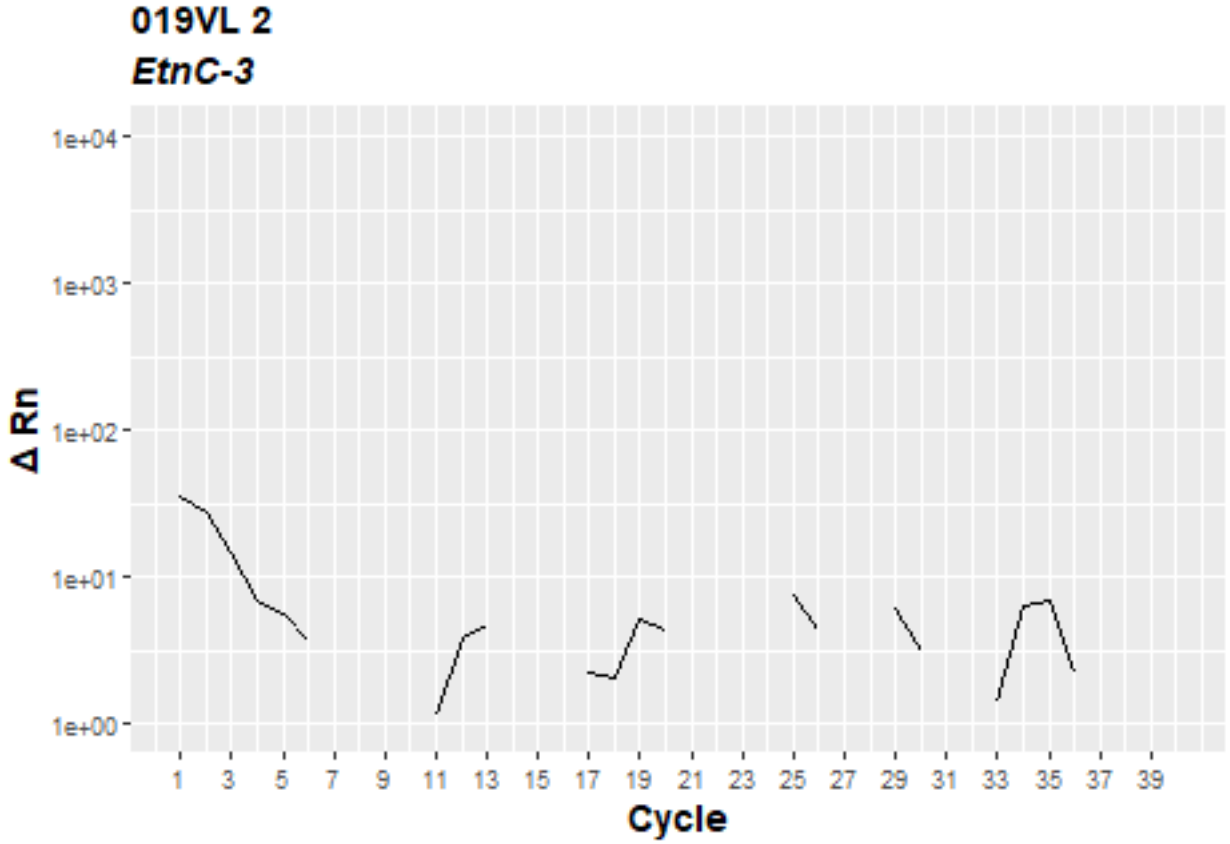

019VL 2
DSB
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

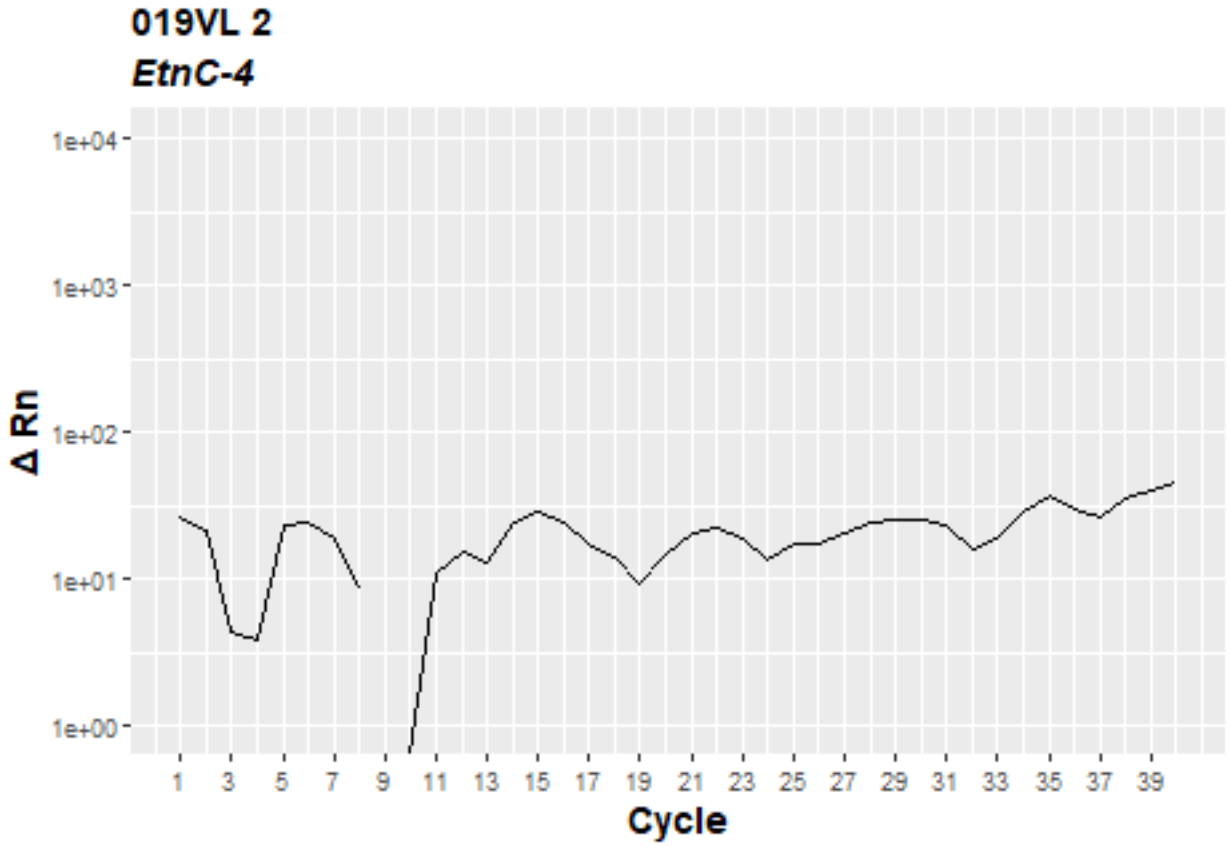

019VL 2
DSM-1
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

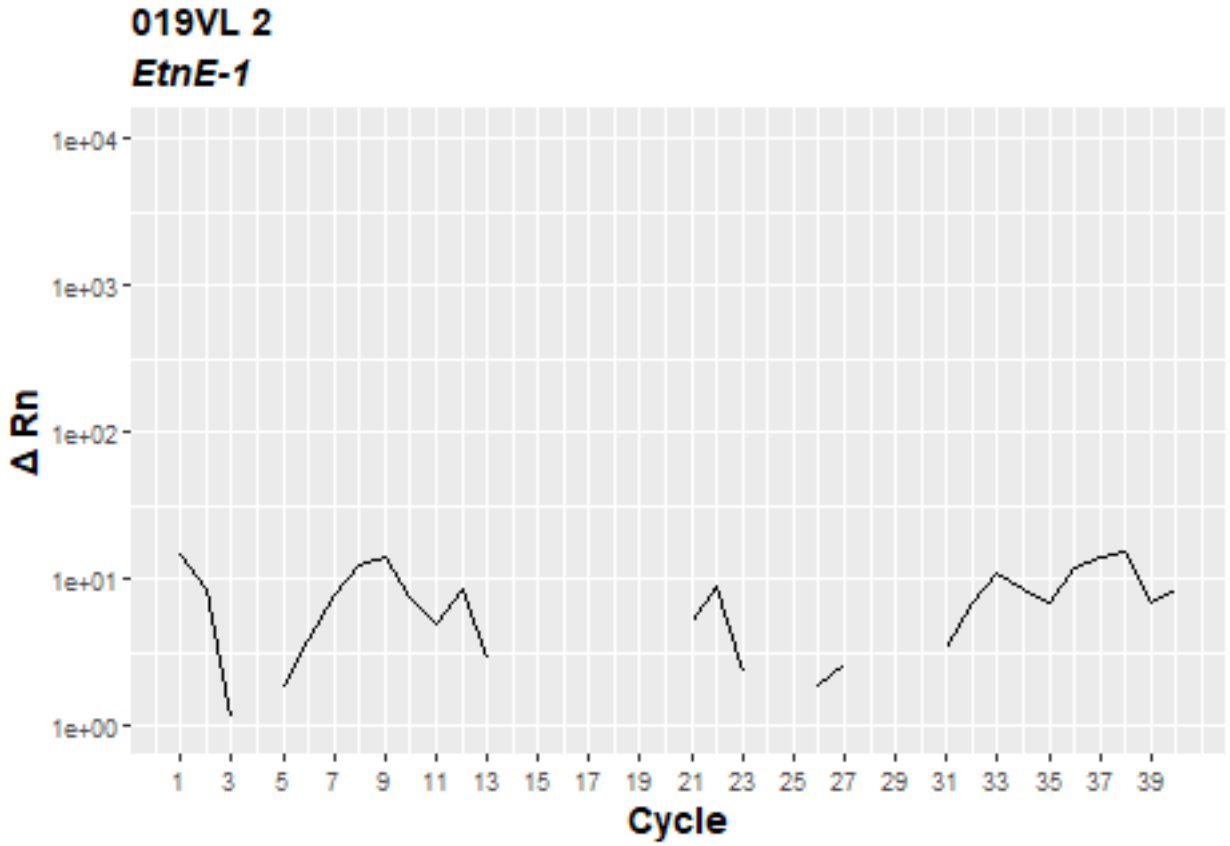

019VL 2
DSM-2
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

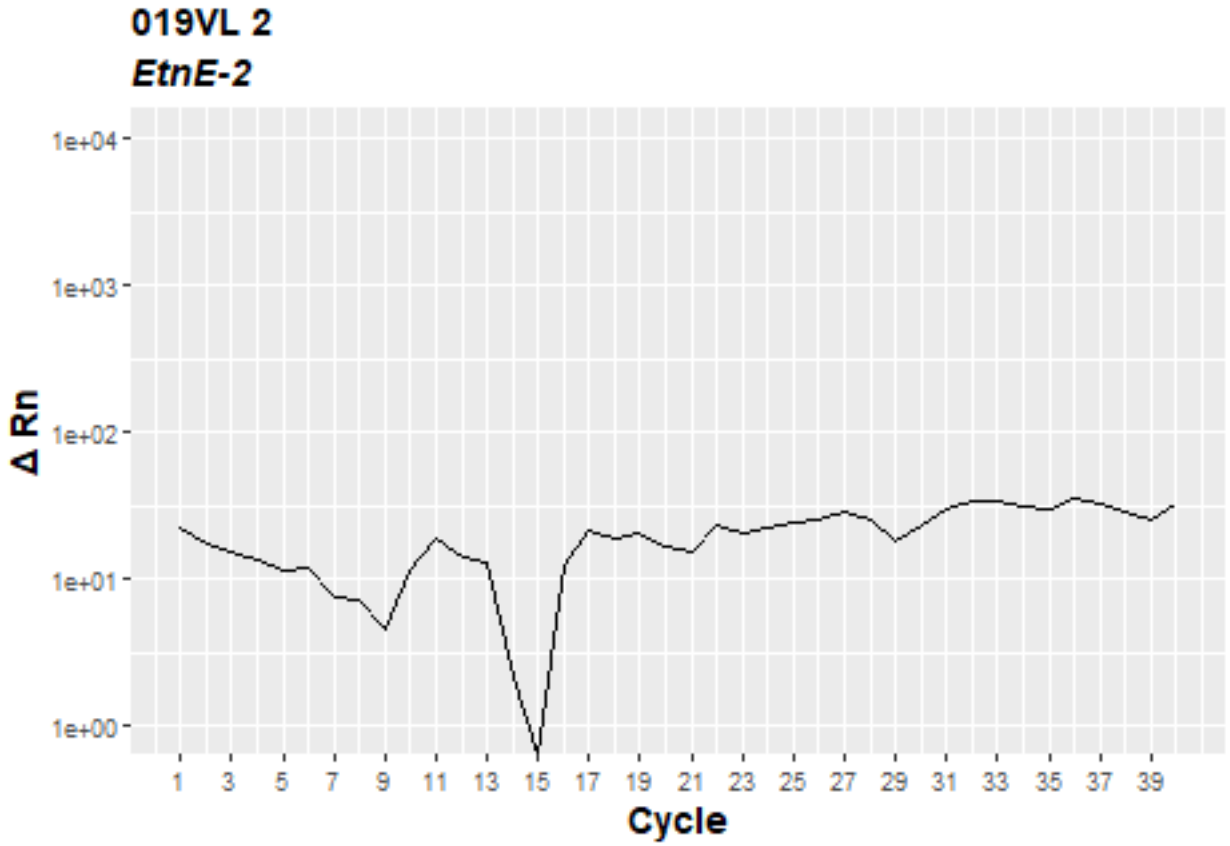

019VL 2
EtnC-1
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

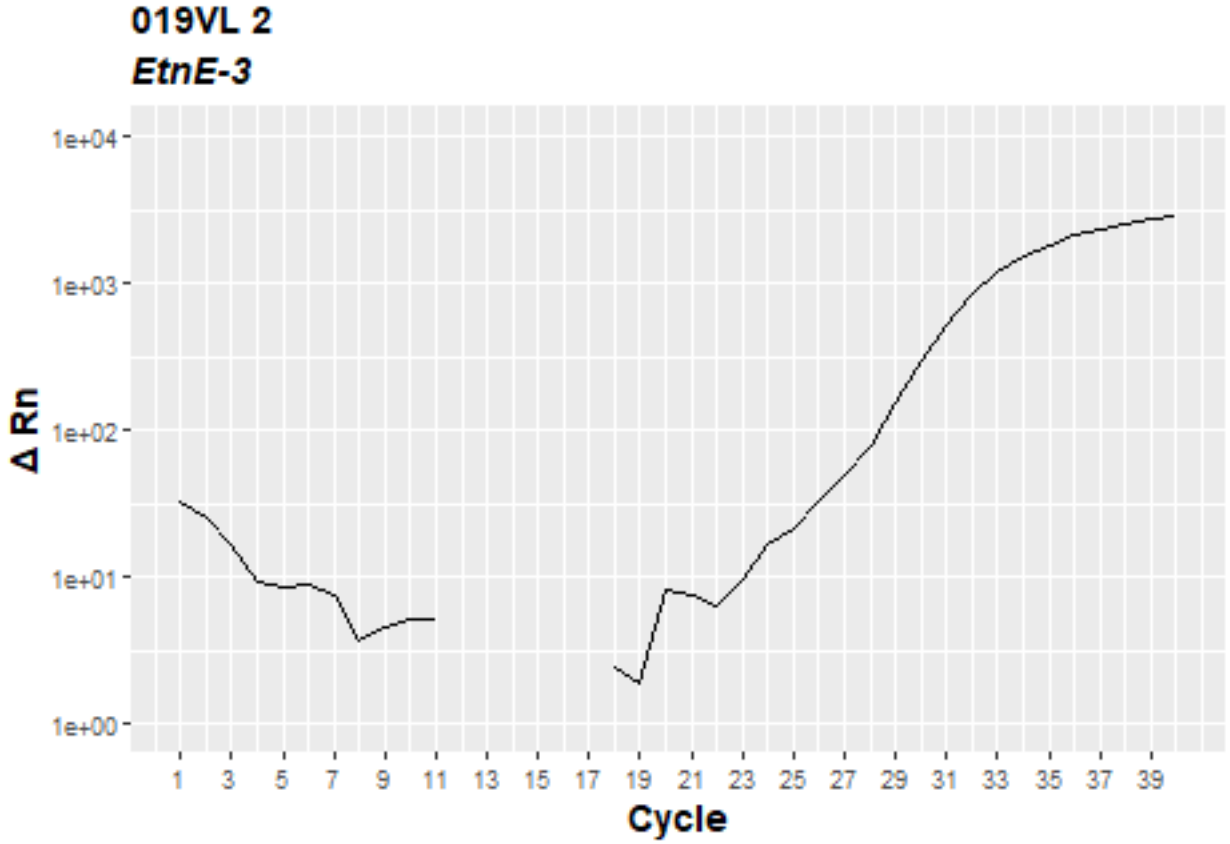

019VL 2
EtnC-2
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

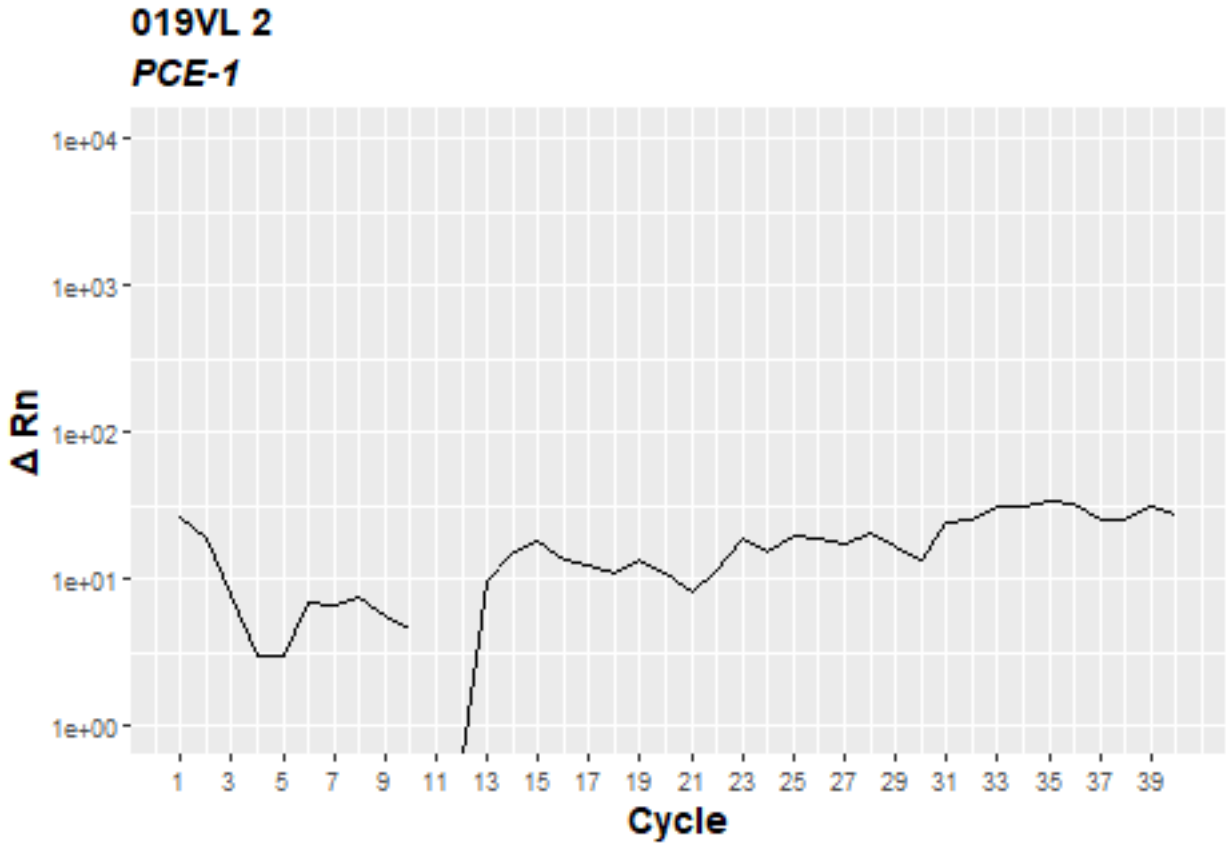

019VL 2
EtnC-3
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

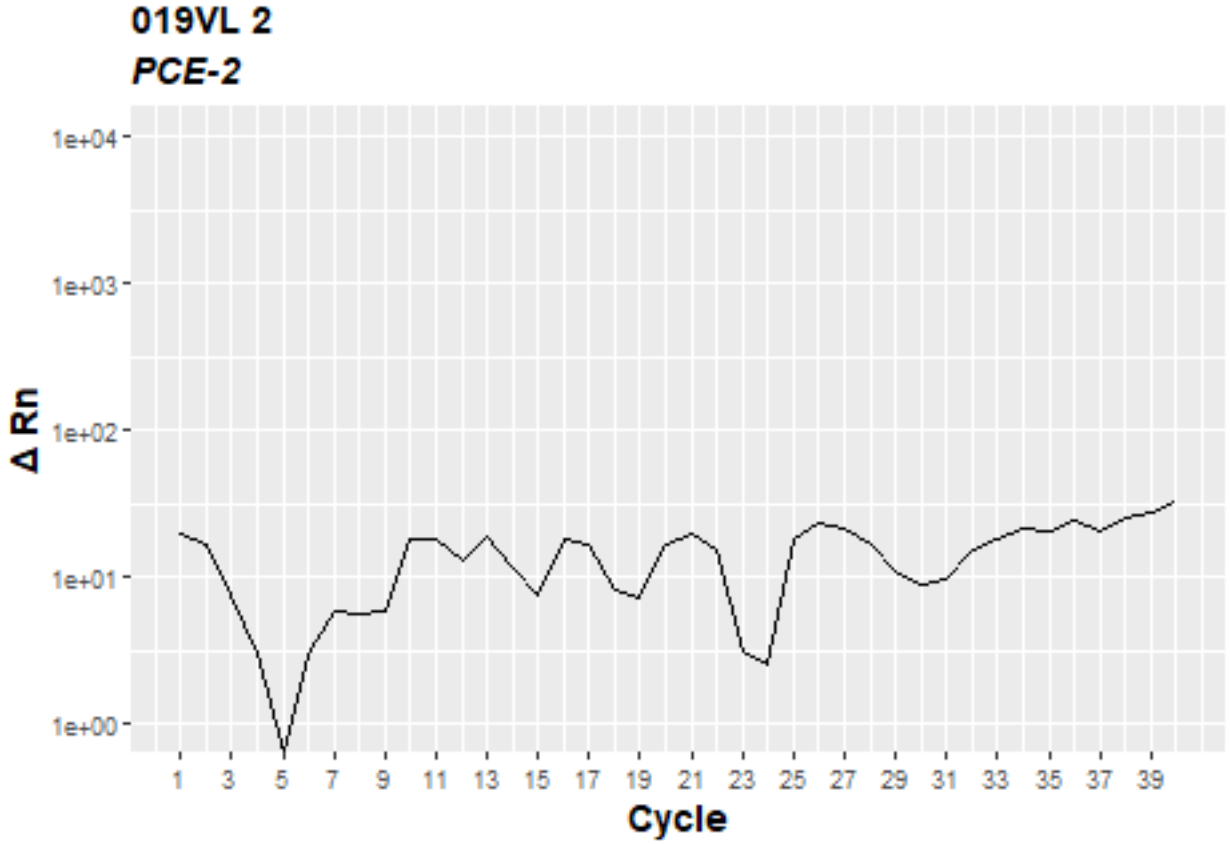

019VL 2
EtnC-4
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

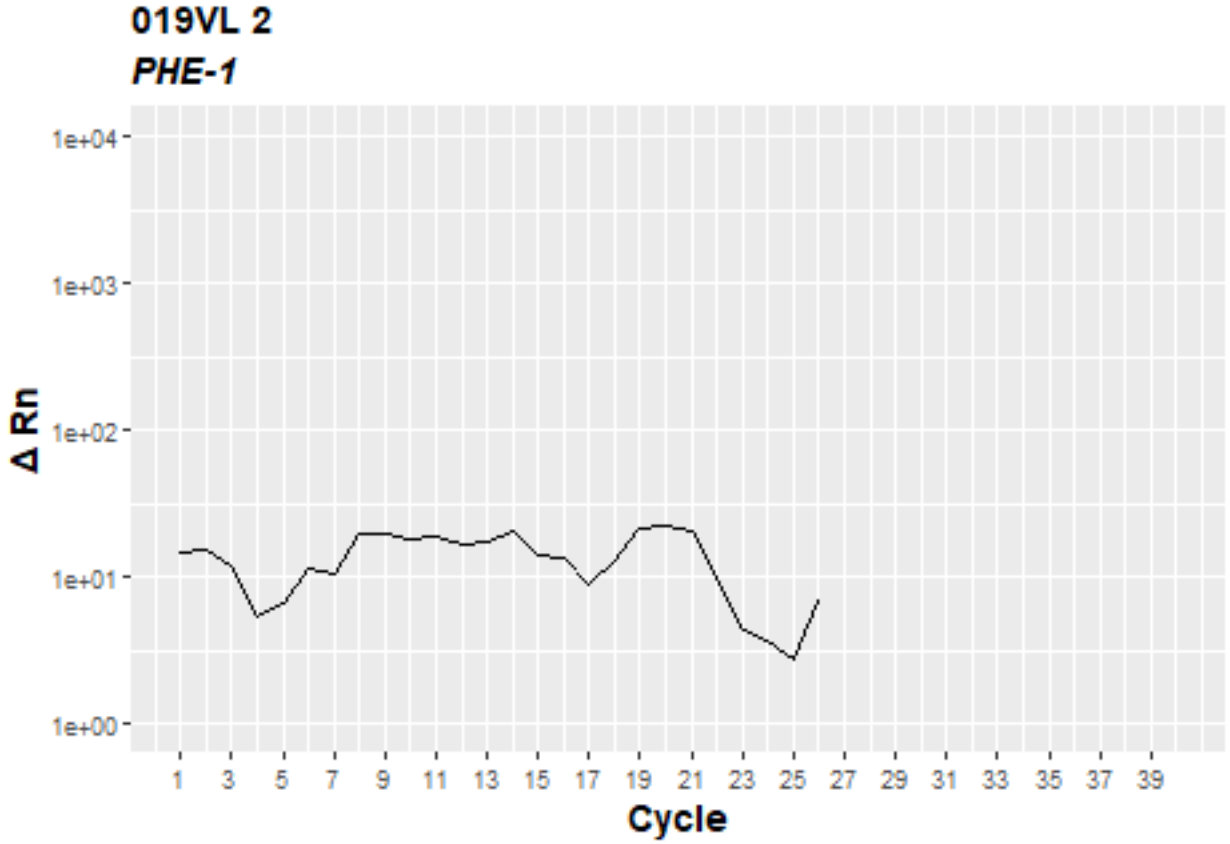

019VL 2
EtnE-1
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

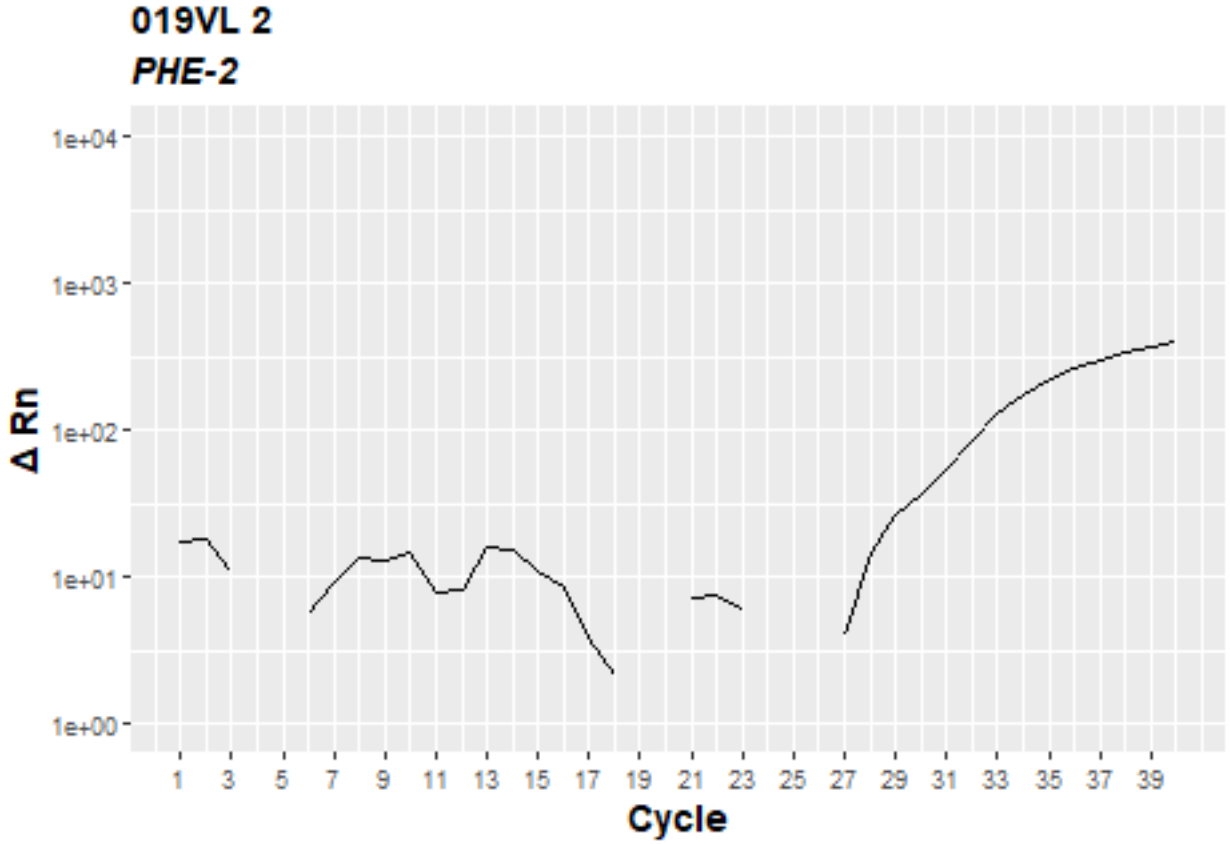

019VL 2
EtnE-2
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

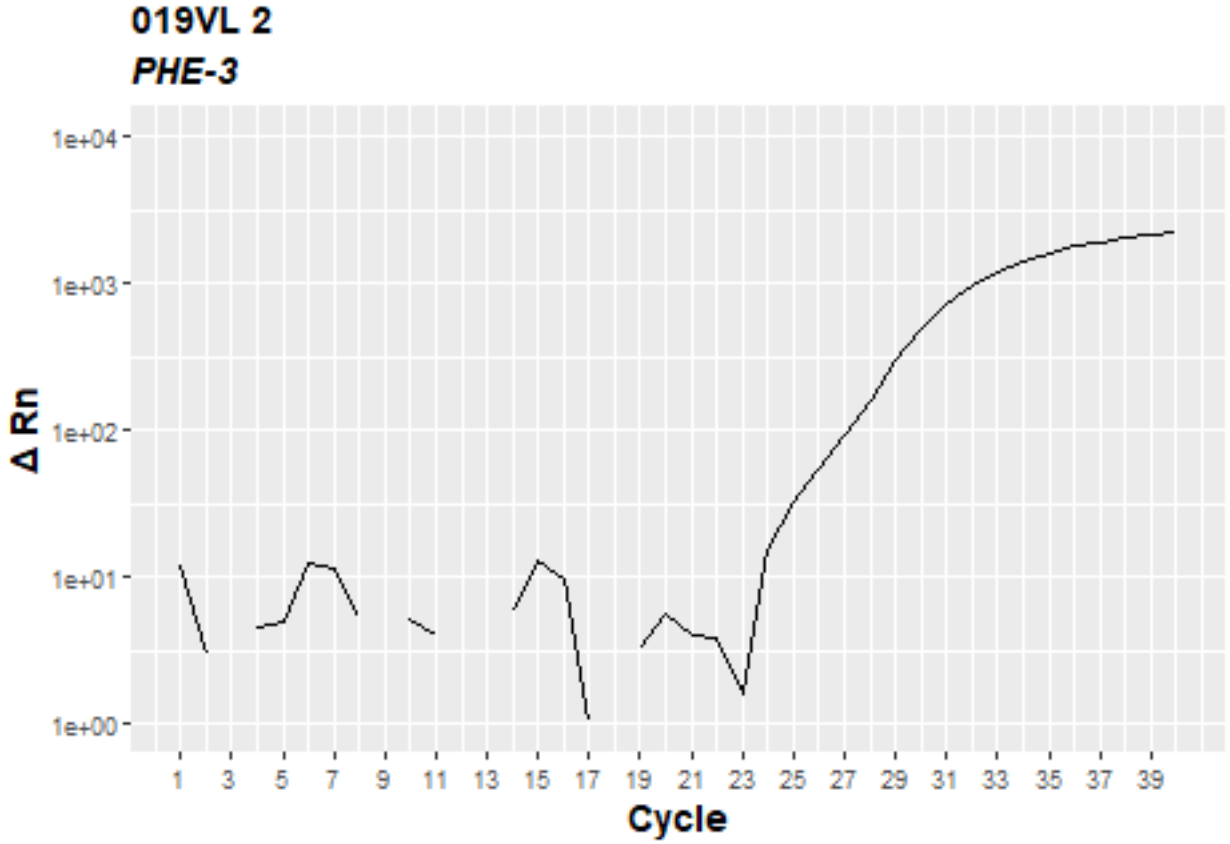

019VL 2
EtnE-3
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

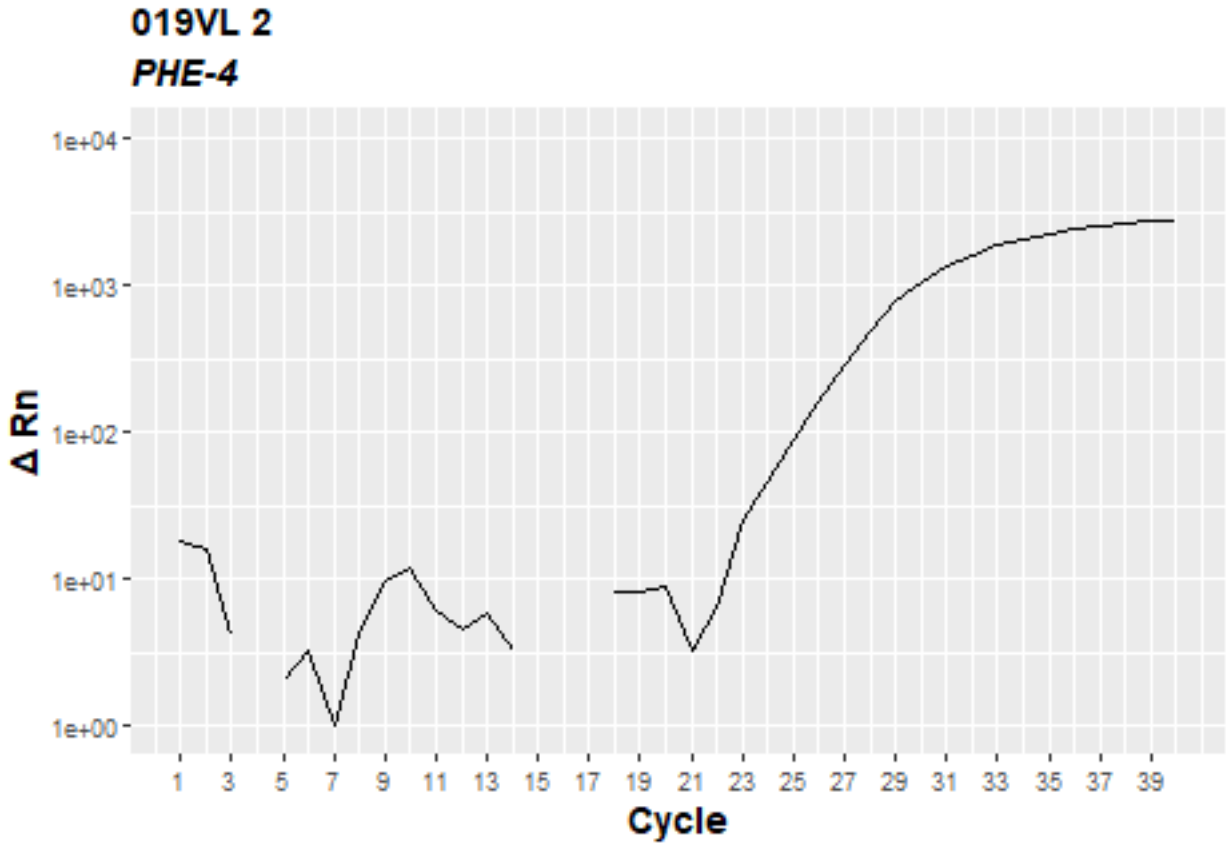

019VL 2
PCE-1
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

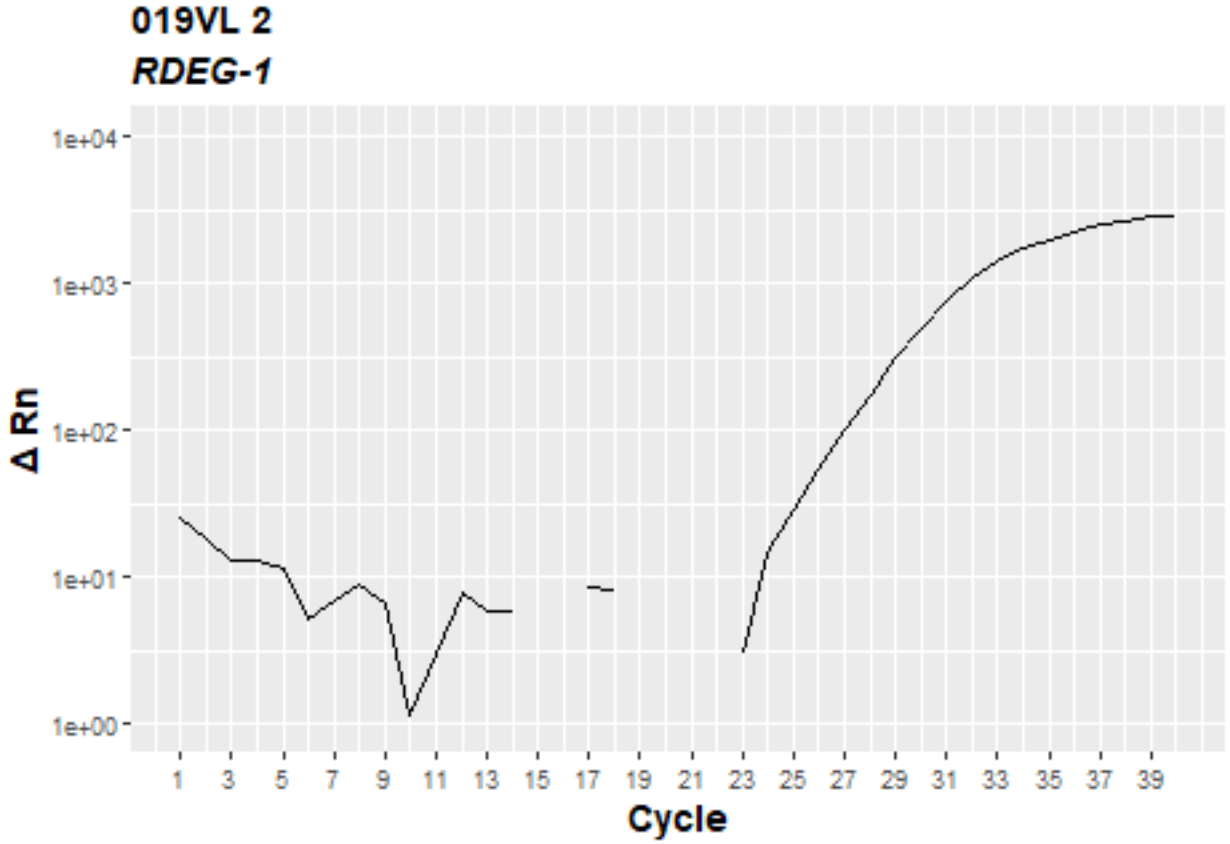

019VL 2
PCE-2
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

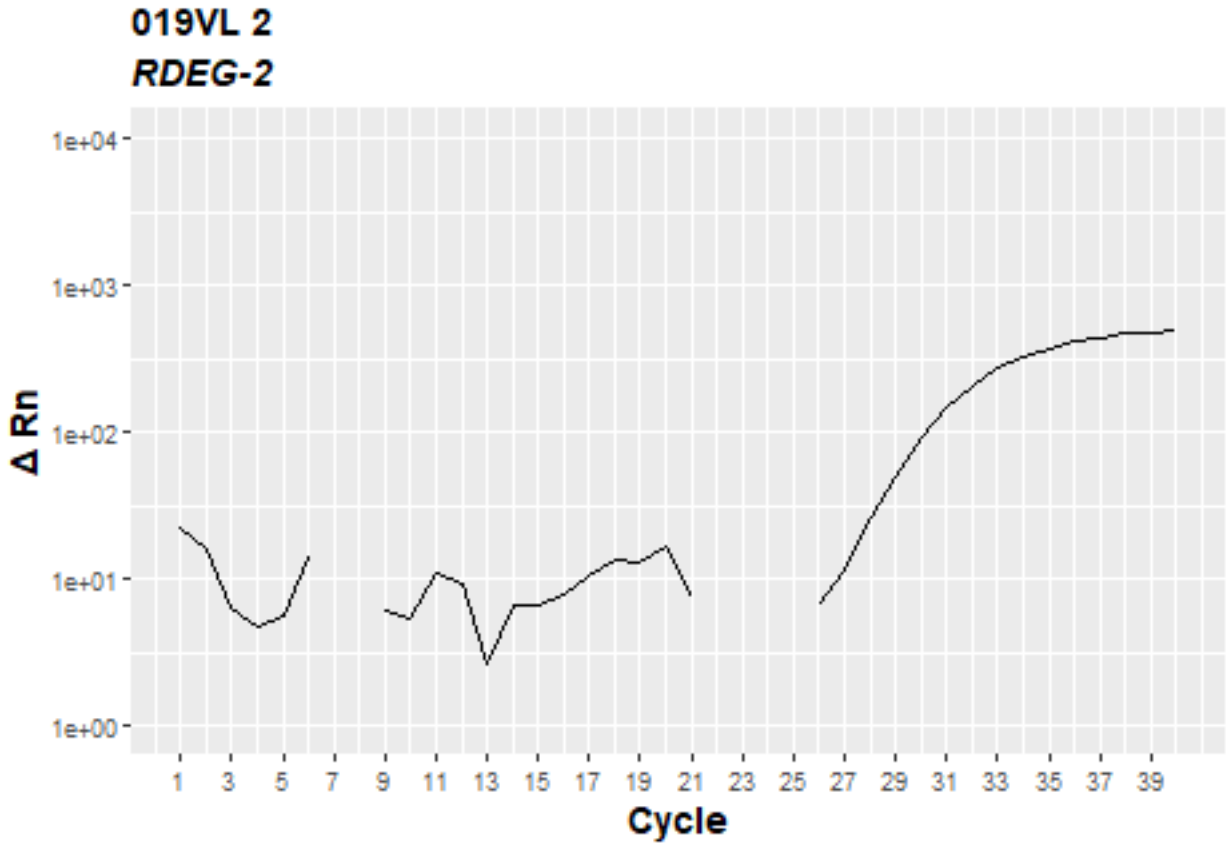

019VL 2
PHE-1
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

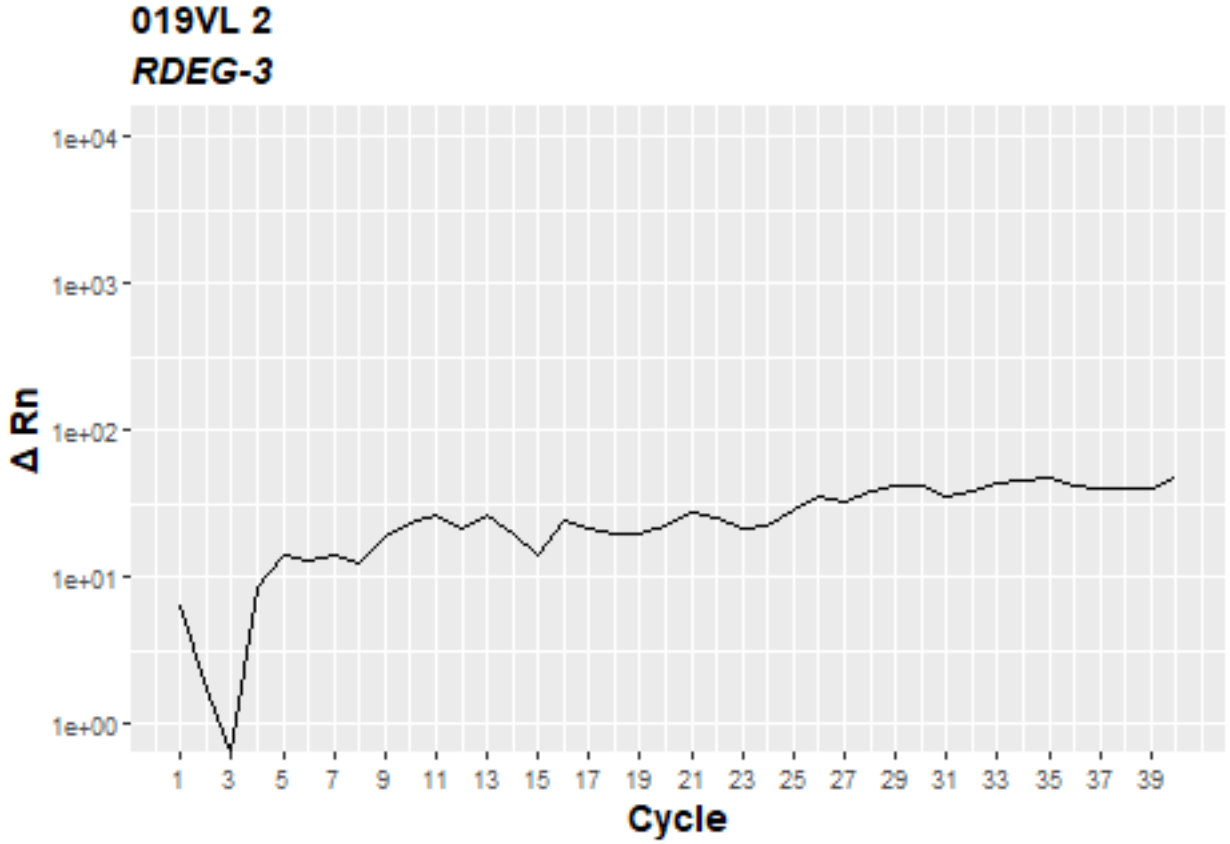

019VL 2
PHE-2
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

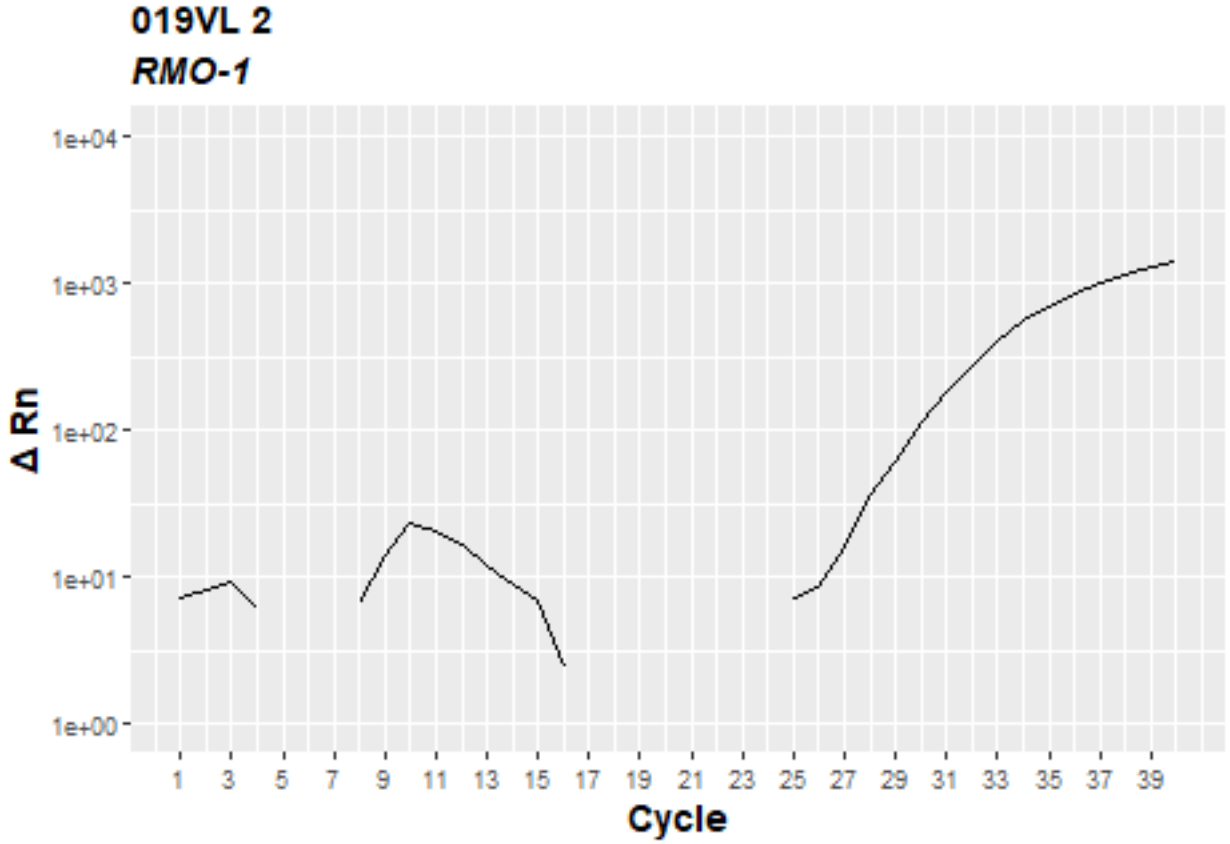

019VL 2
PHE-3
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

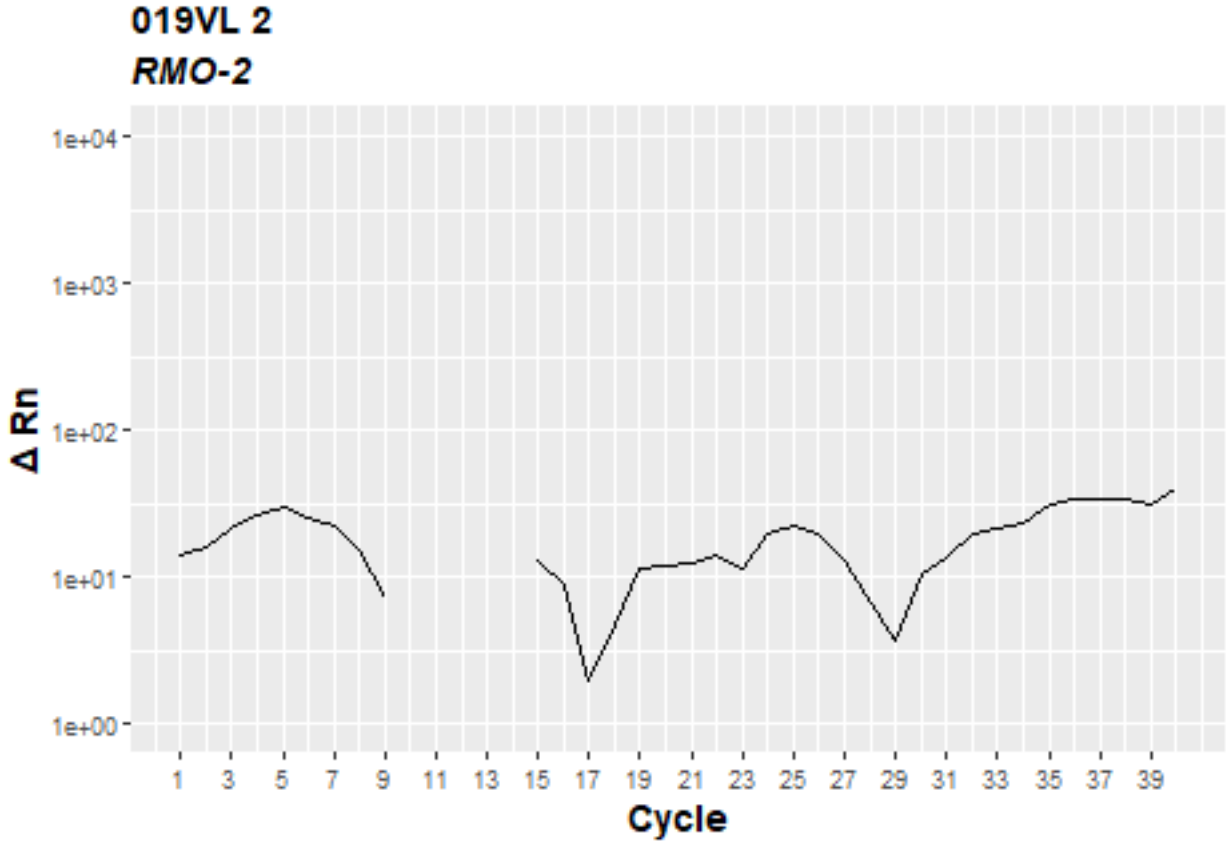

019VL 2
PHE-4
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

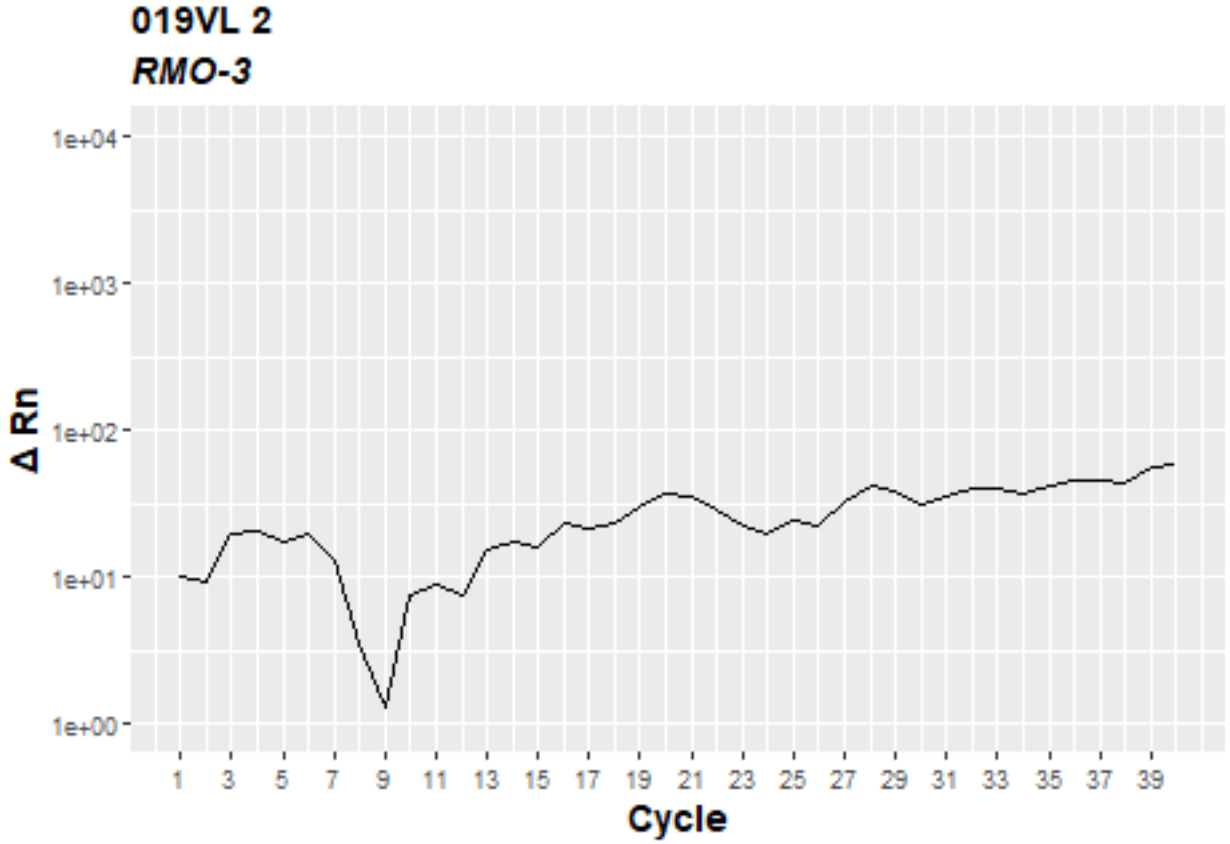

019VL 2
RDEG-1
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

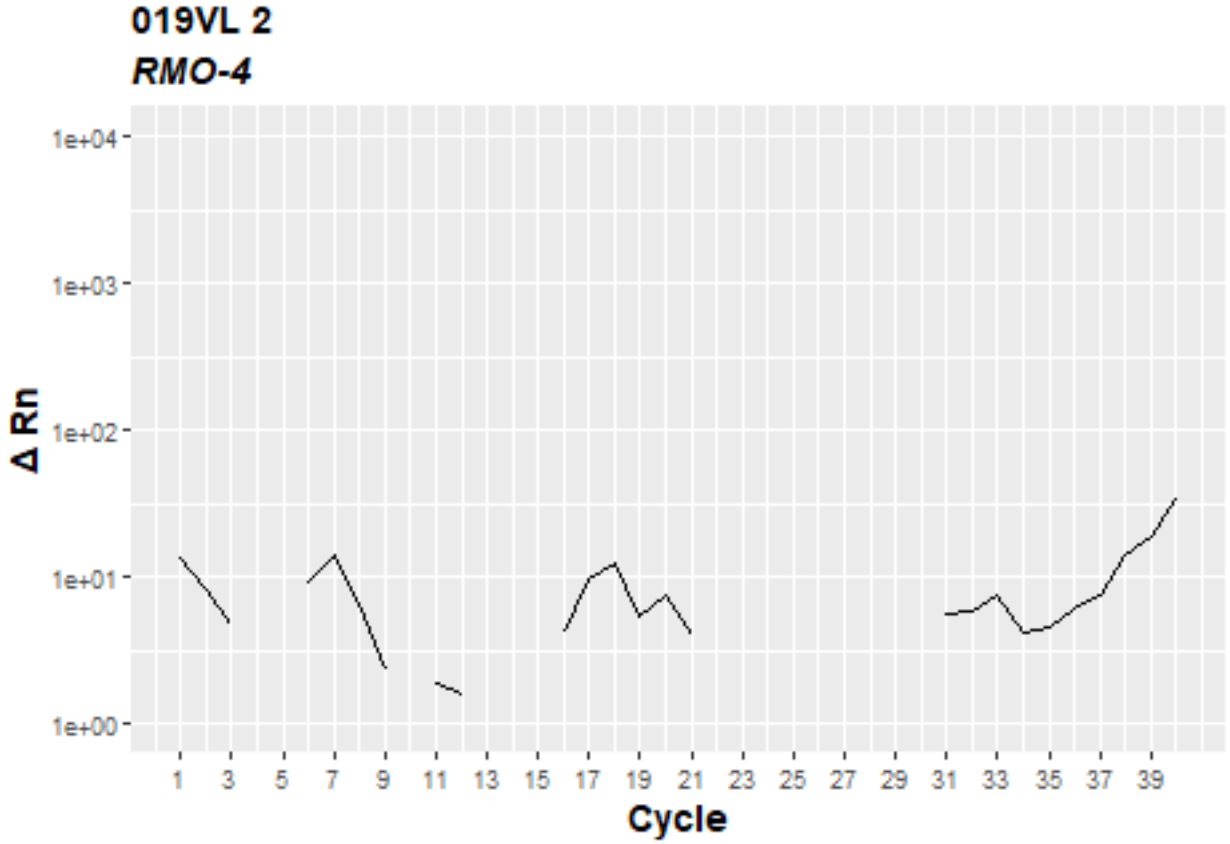

019VL 2
RDEG-2
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

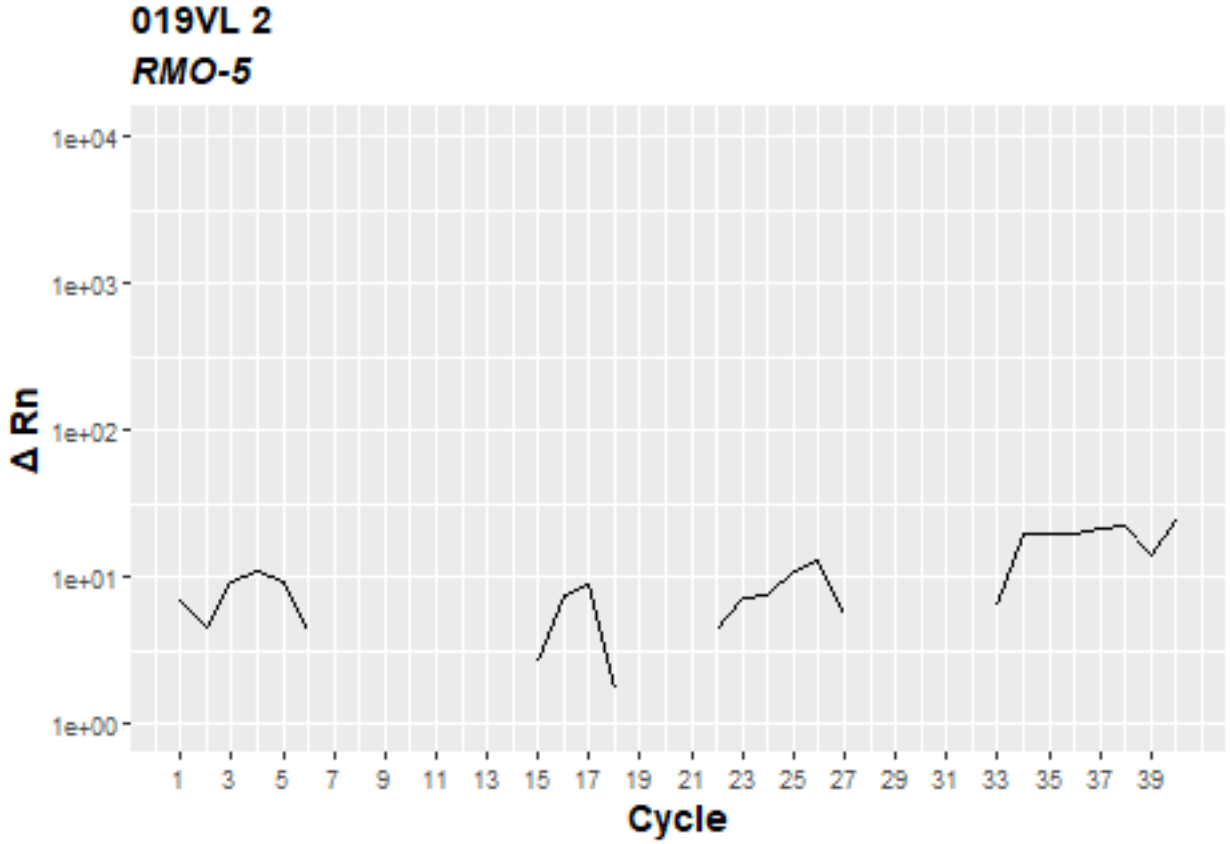

019VL 2
RDEG-3
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

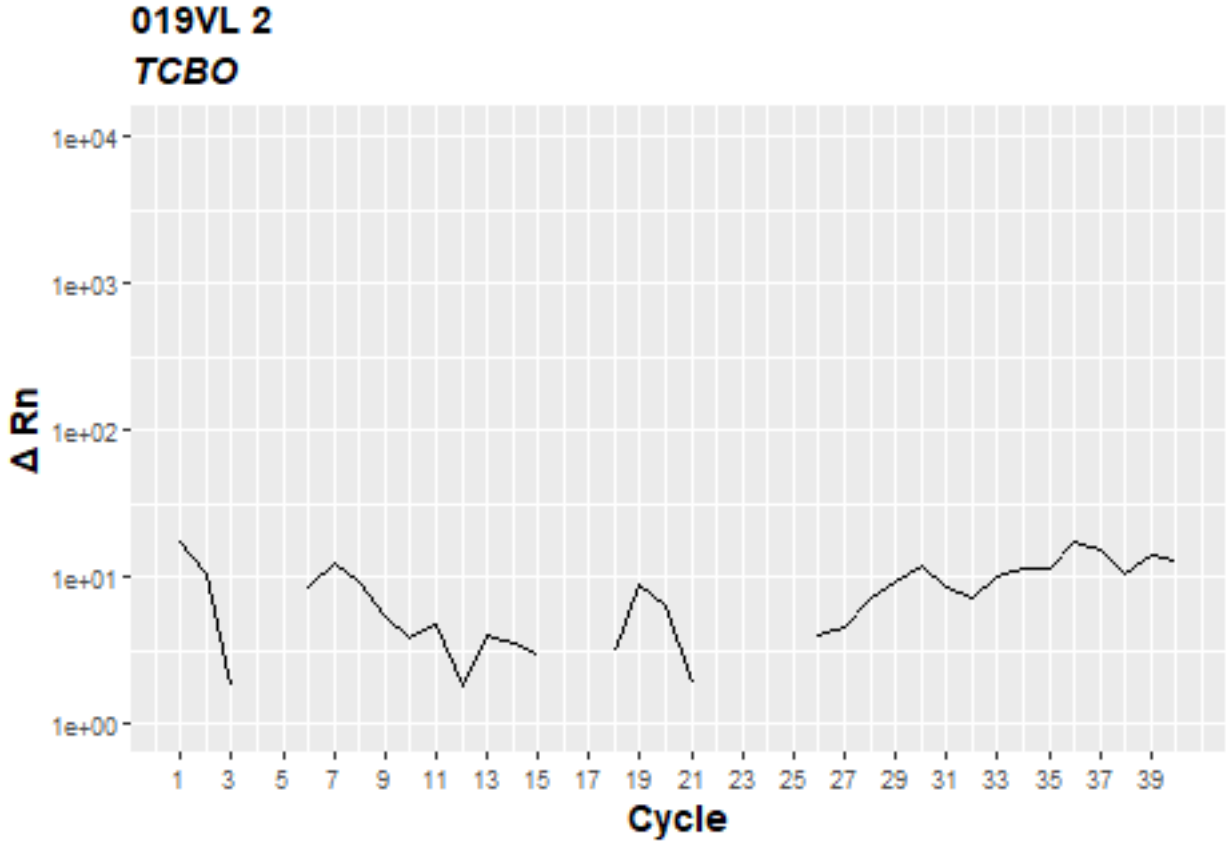

019VL 2
RMO-1
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

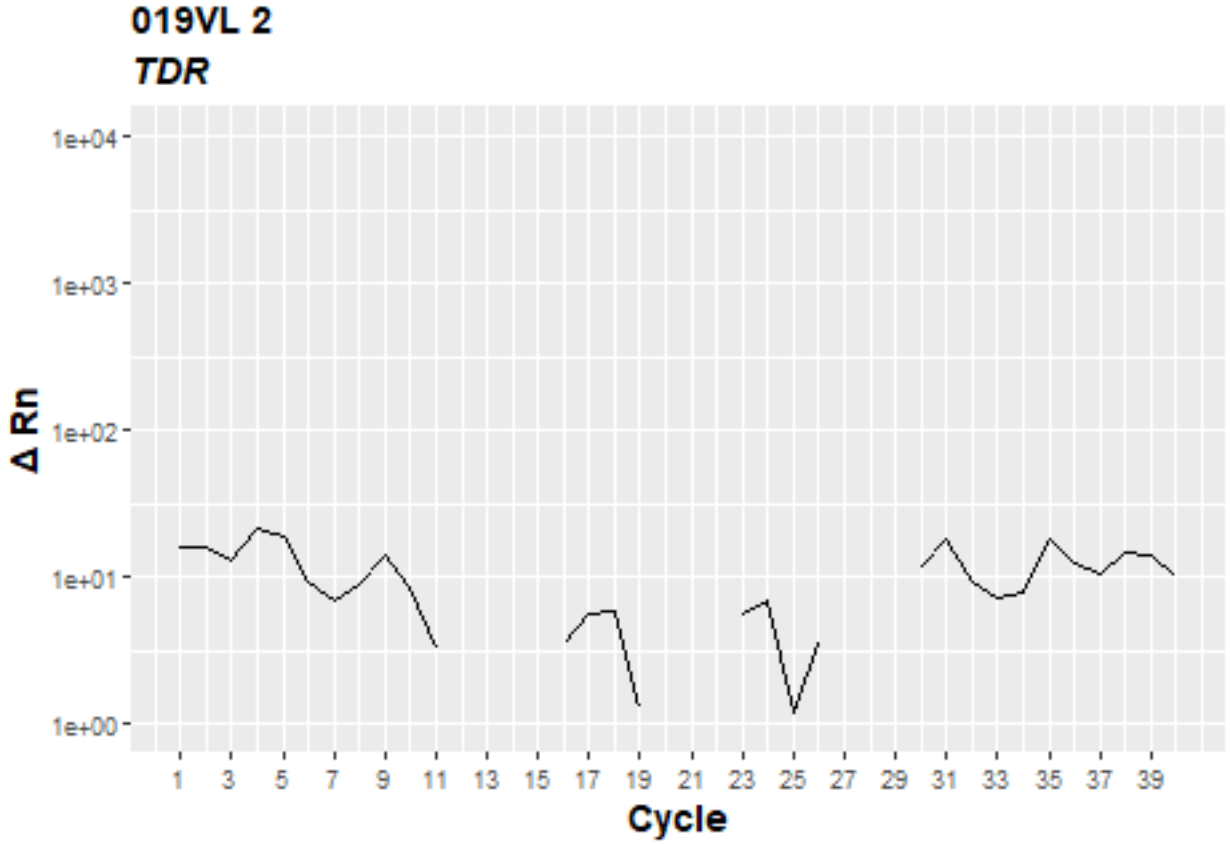

019VL 2
RMO-2
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

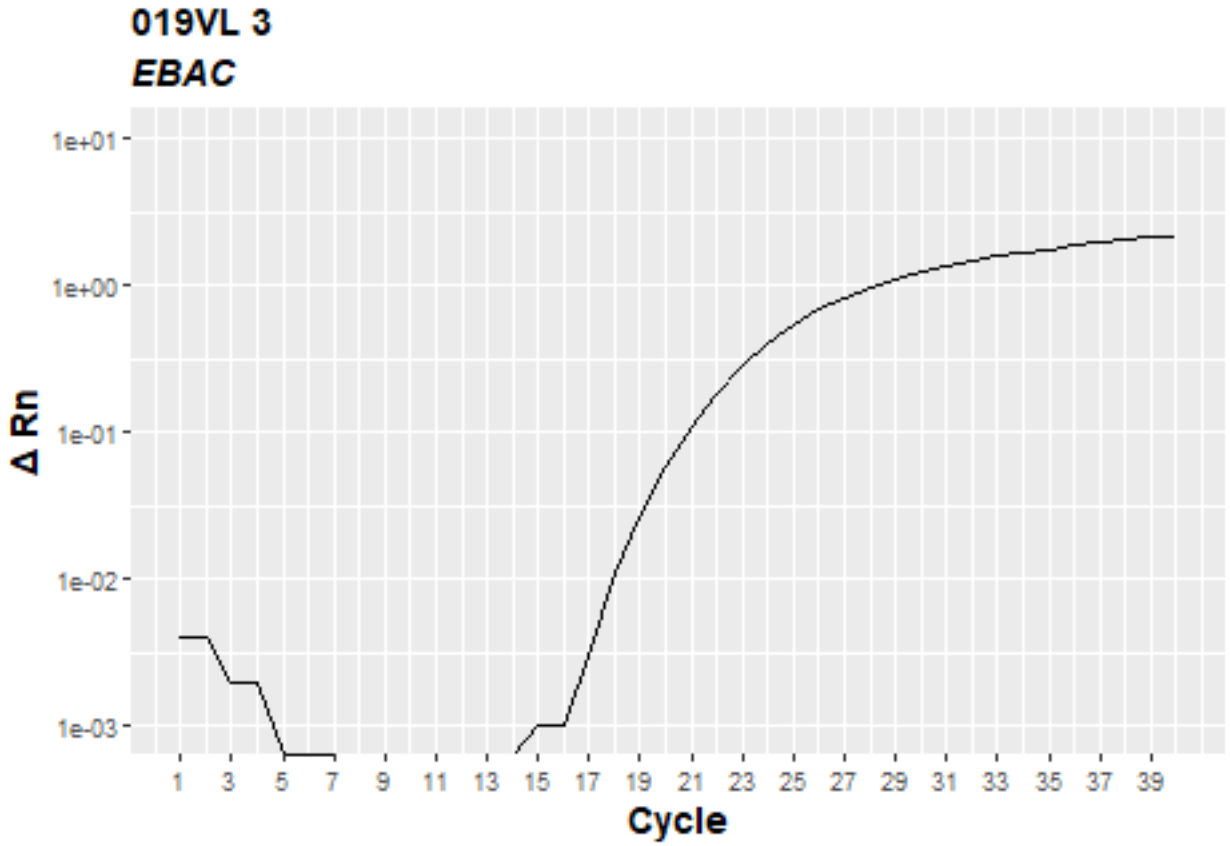

019VL 2
RMO-3
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

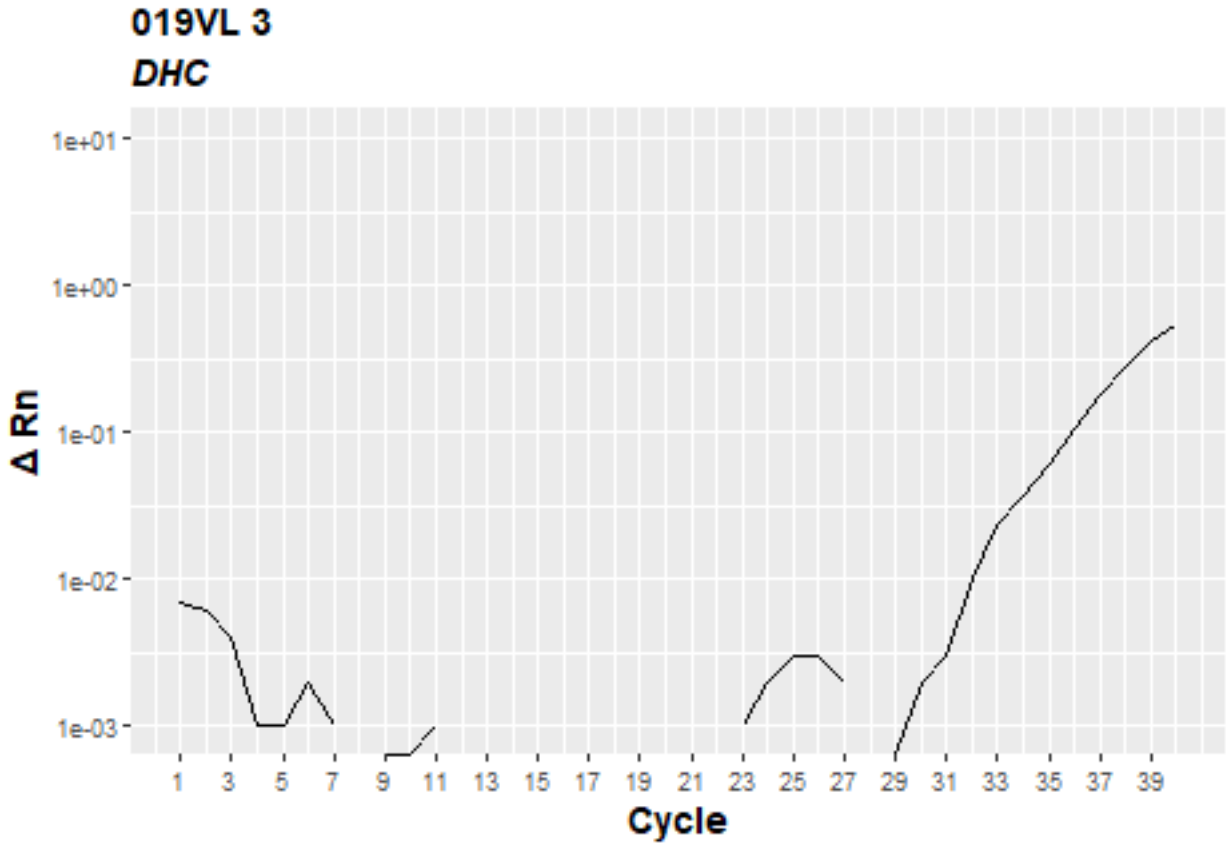

019VL 2
RMO-4
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

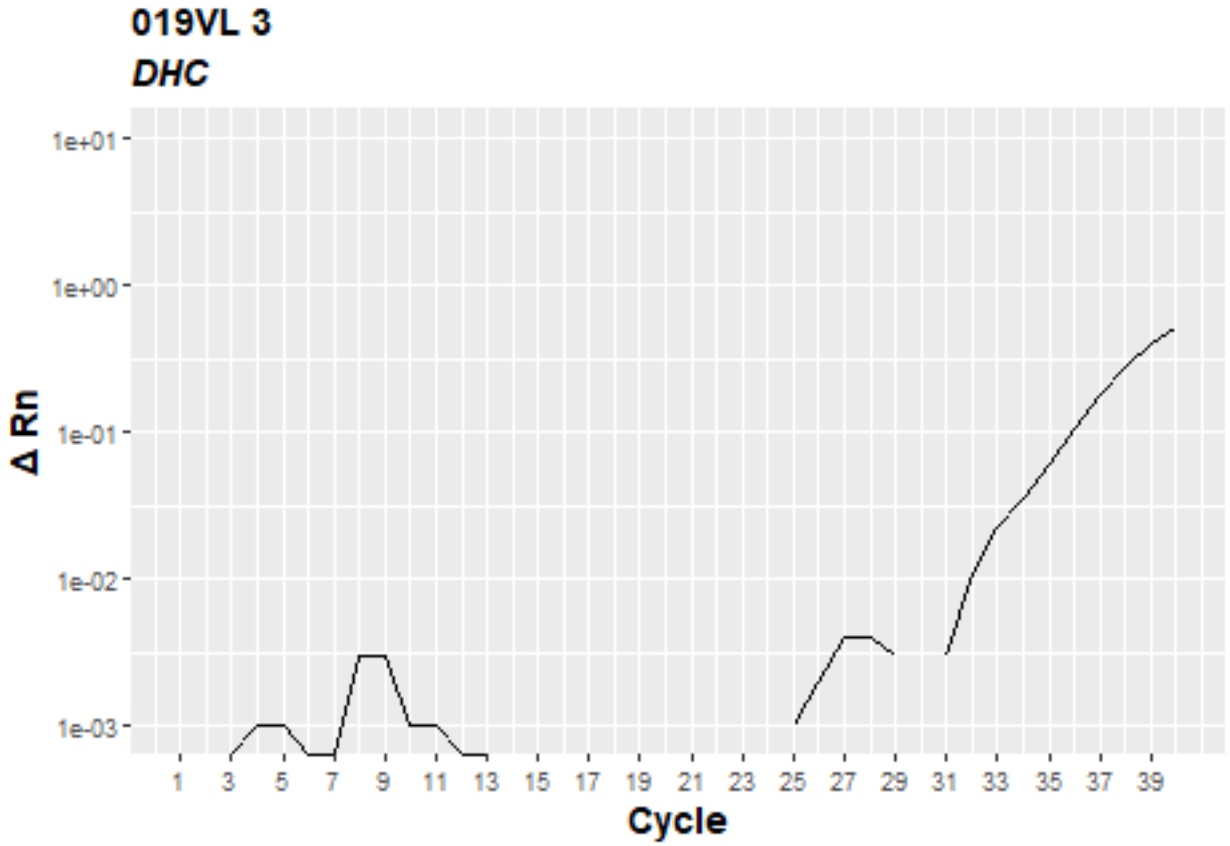

019VL 2
RMO-5
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

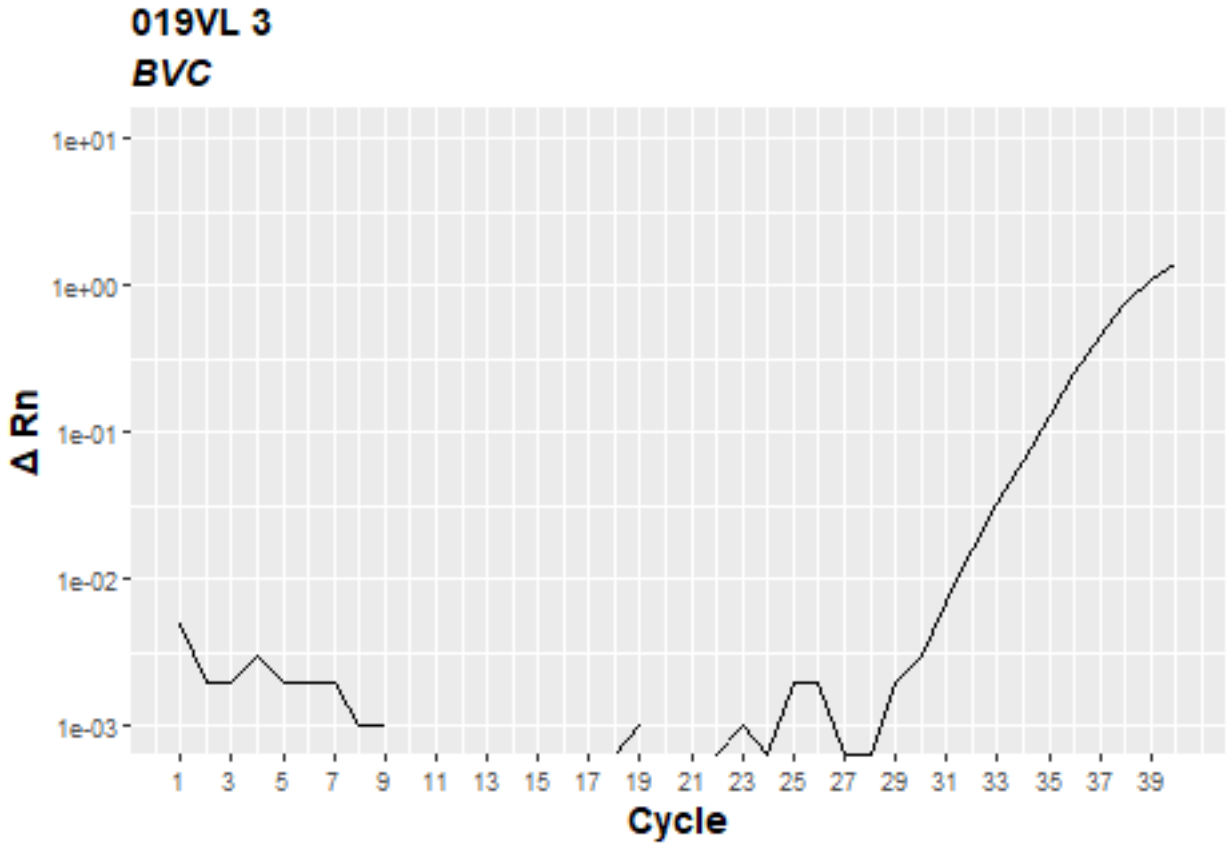

019VL 2
TCBO
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

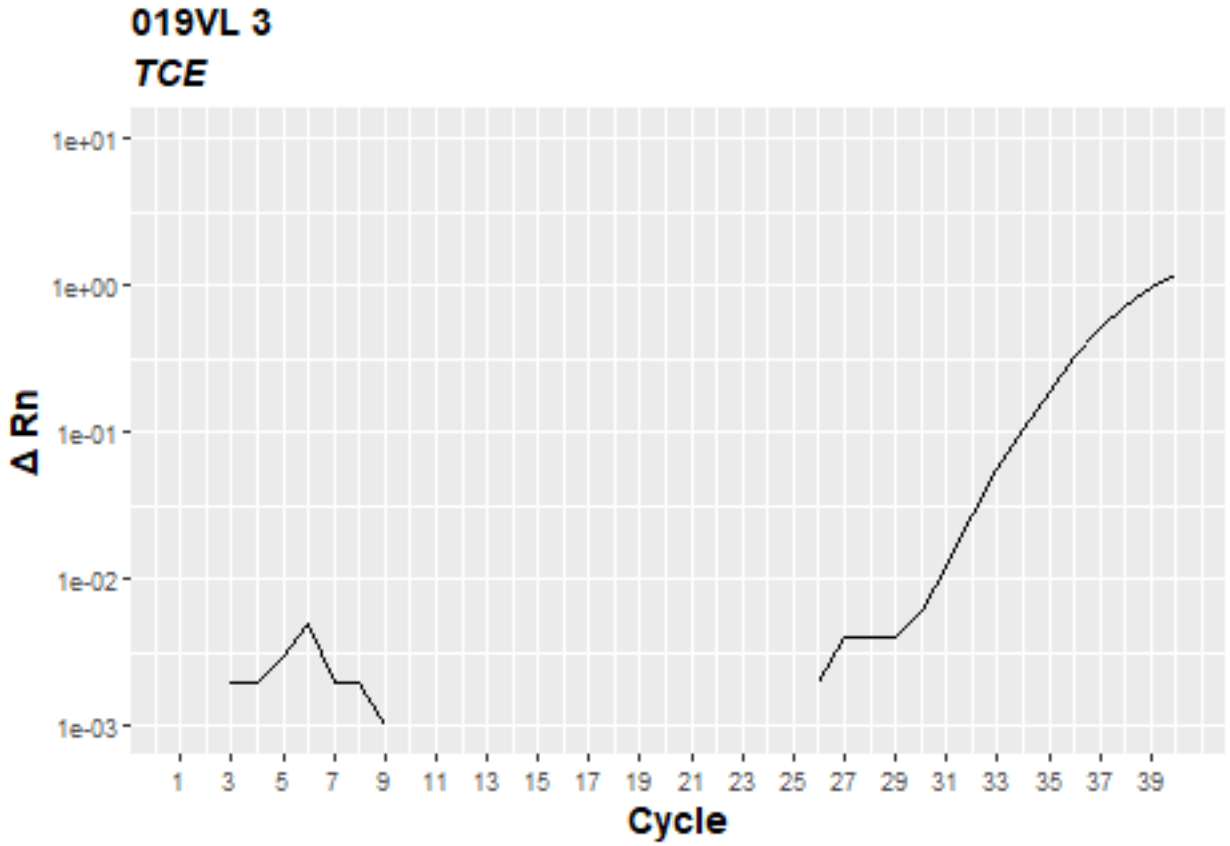

019VL 2
TDR
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

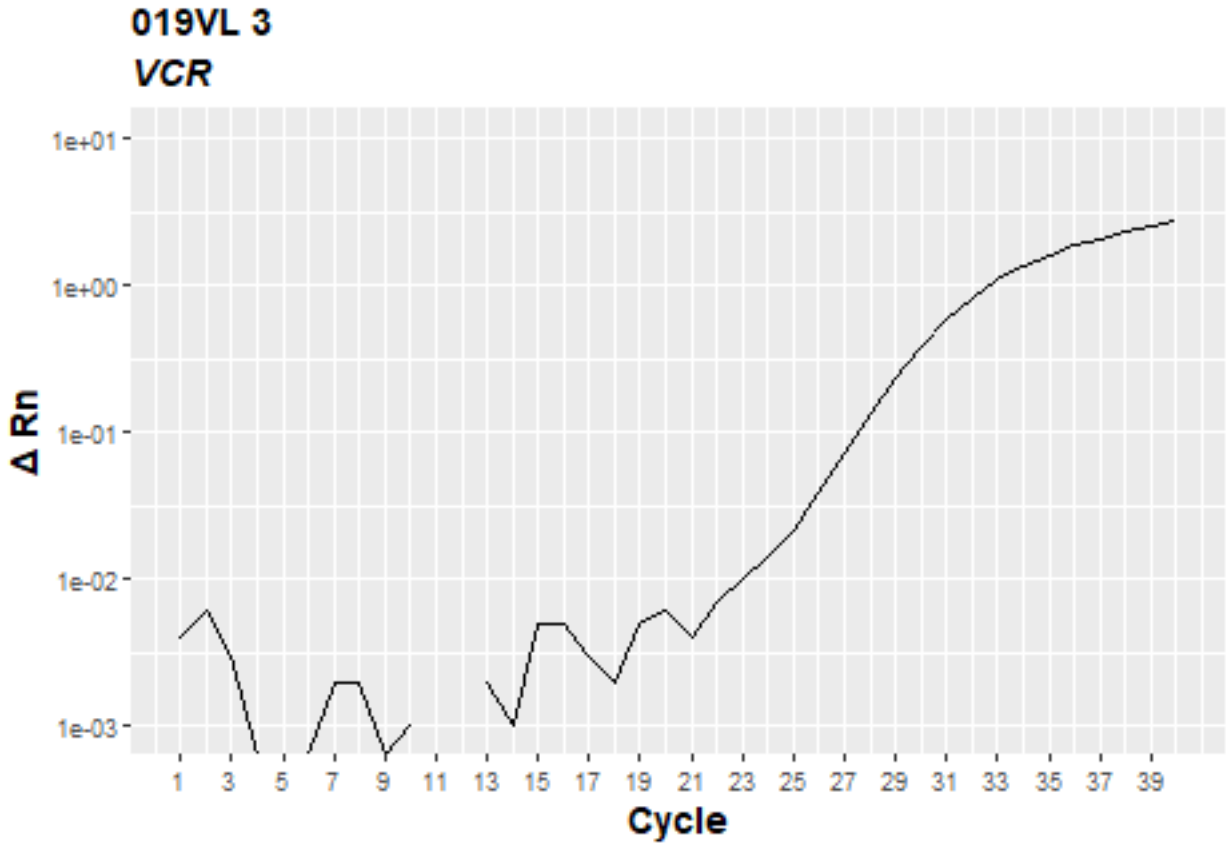

019VL 3
EBAC
ΔRn
1e+01
1e+00
1e-01
1e-02
1e-03
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

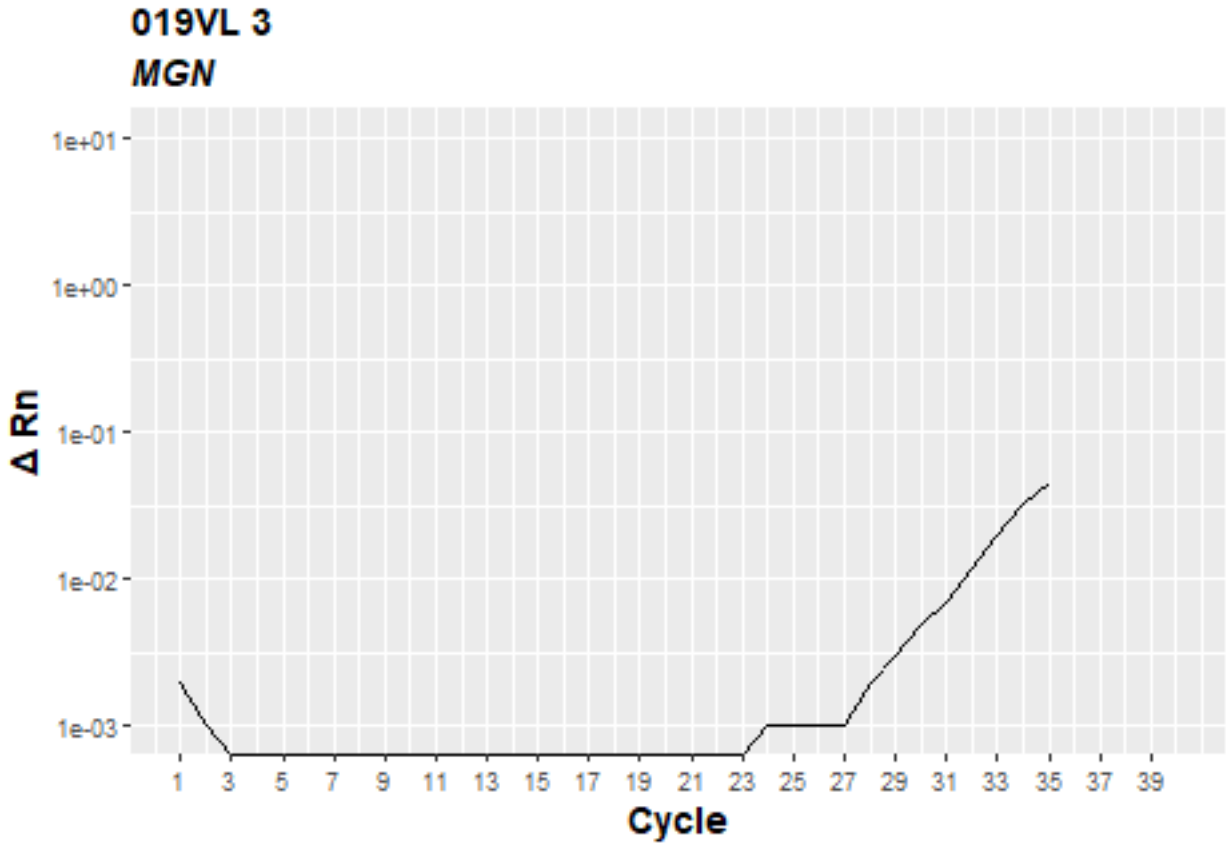

019VL 3
DHC
ΔRn
1e+01
1e+00
1e-01
1e-02
1e-03
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

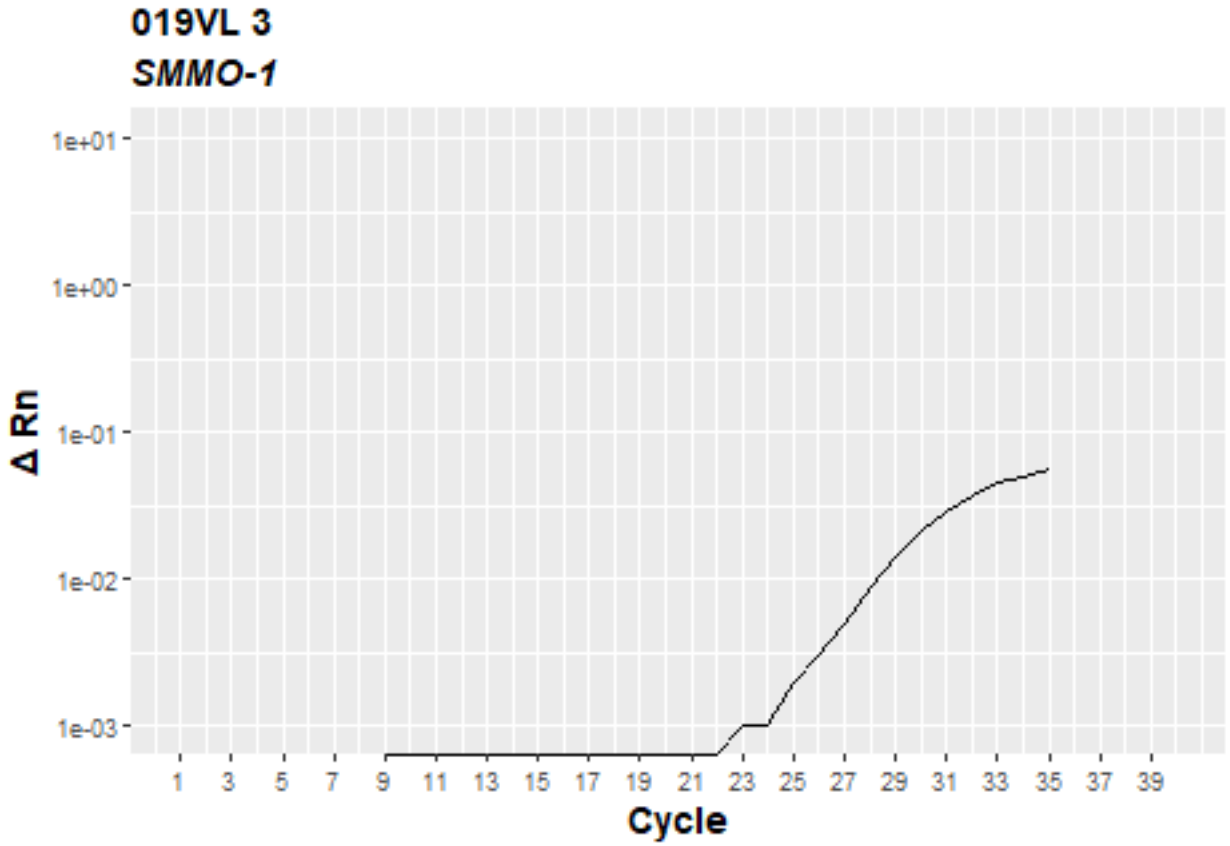

019VL 3
DHC
1e+01
1e+00
1e-01
1e-02
1e-03
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle


019VL 3
BVC
1e+01
1e+00
1e-01
1e-02
1e-03
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

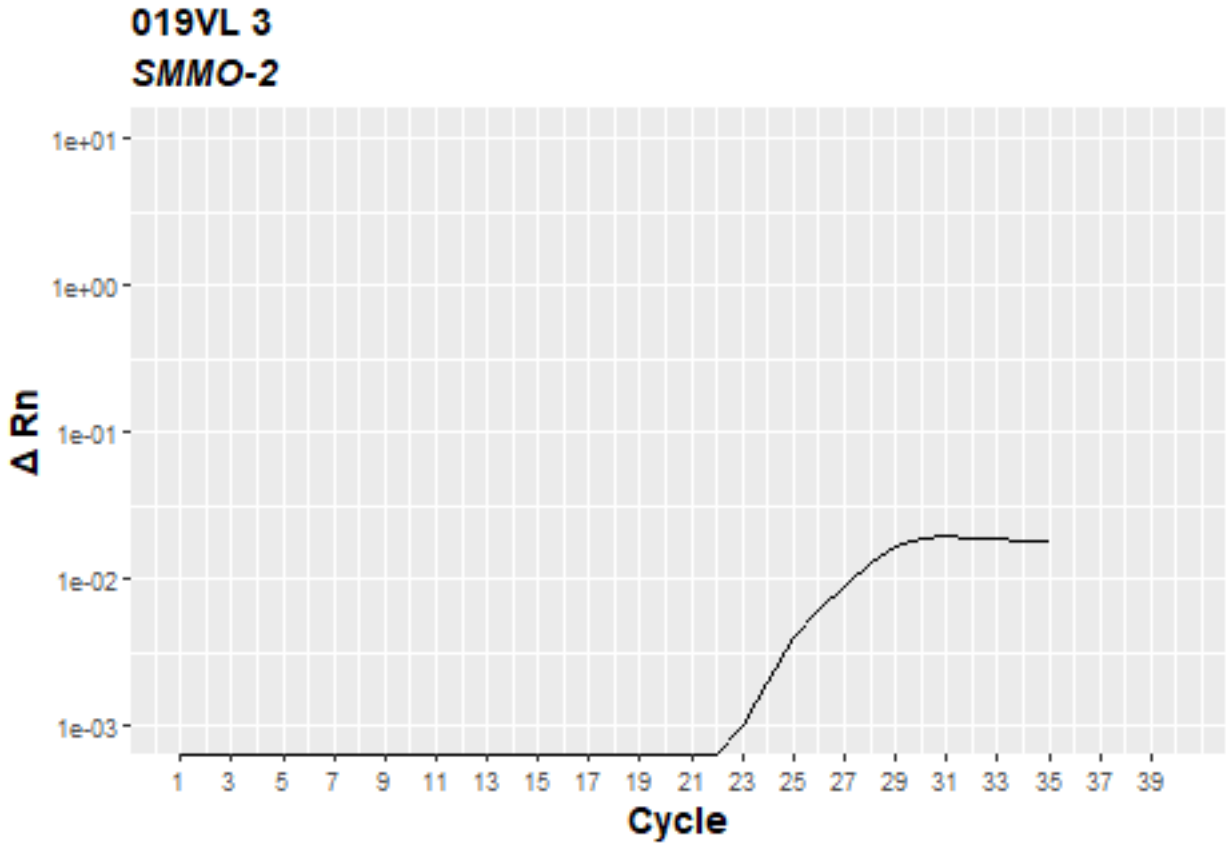

019VL 3
TCE
1e+01
1e+00
1e-01
1e-02
1e-03
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle


019VL 3
VCR
ΔRn
1e+01
1e+00
1e-01
1e-02
1e-03
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

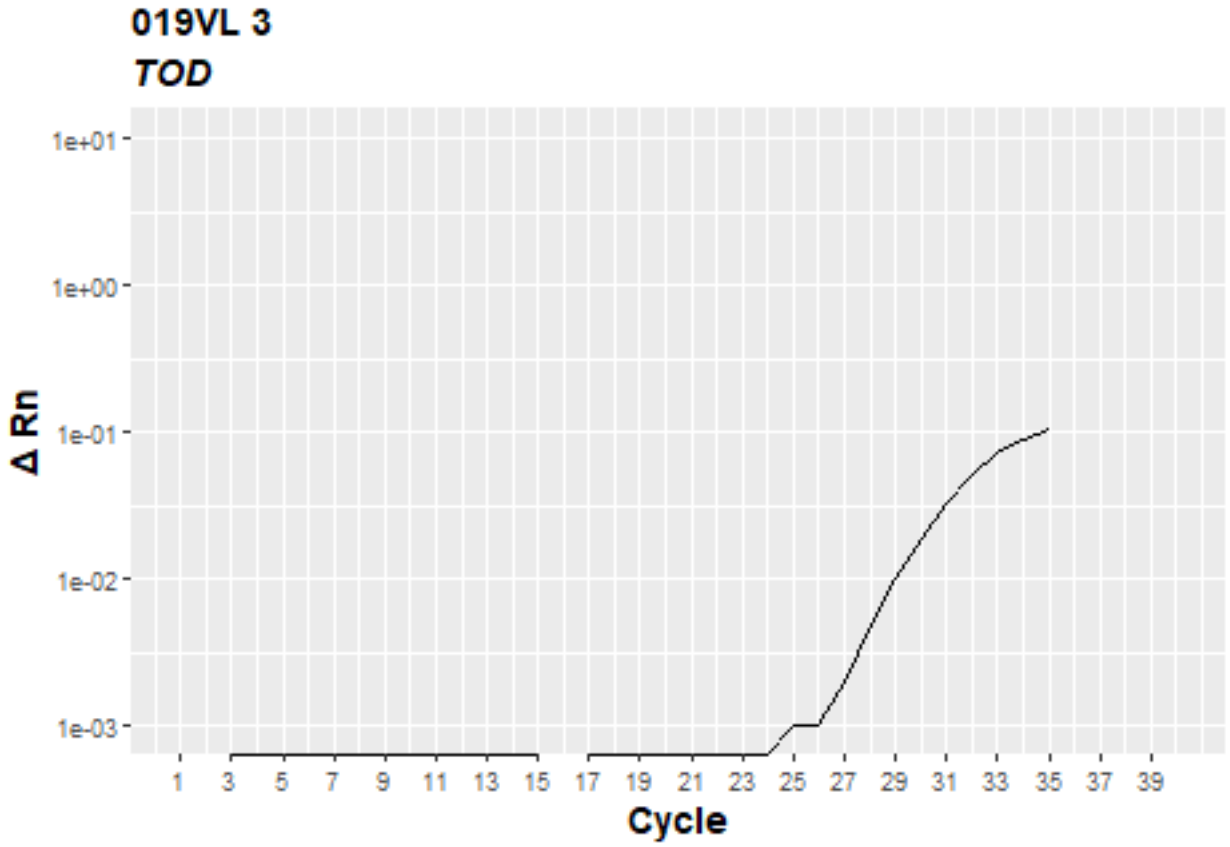

019VL 3
MGN
1e+01
1e+00
1e-01
1e-02
1e-03
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle



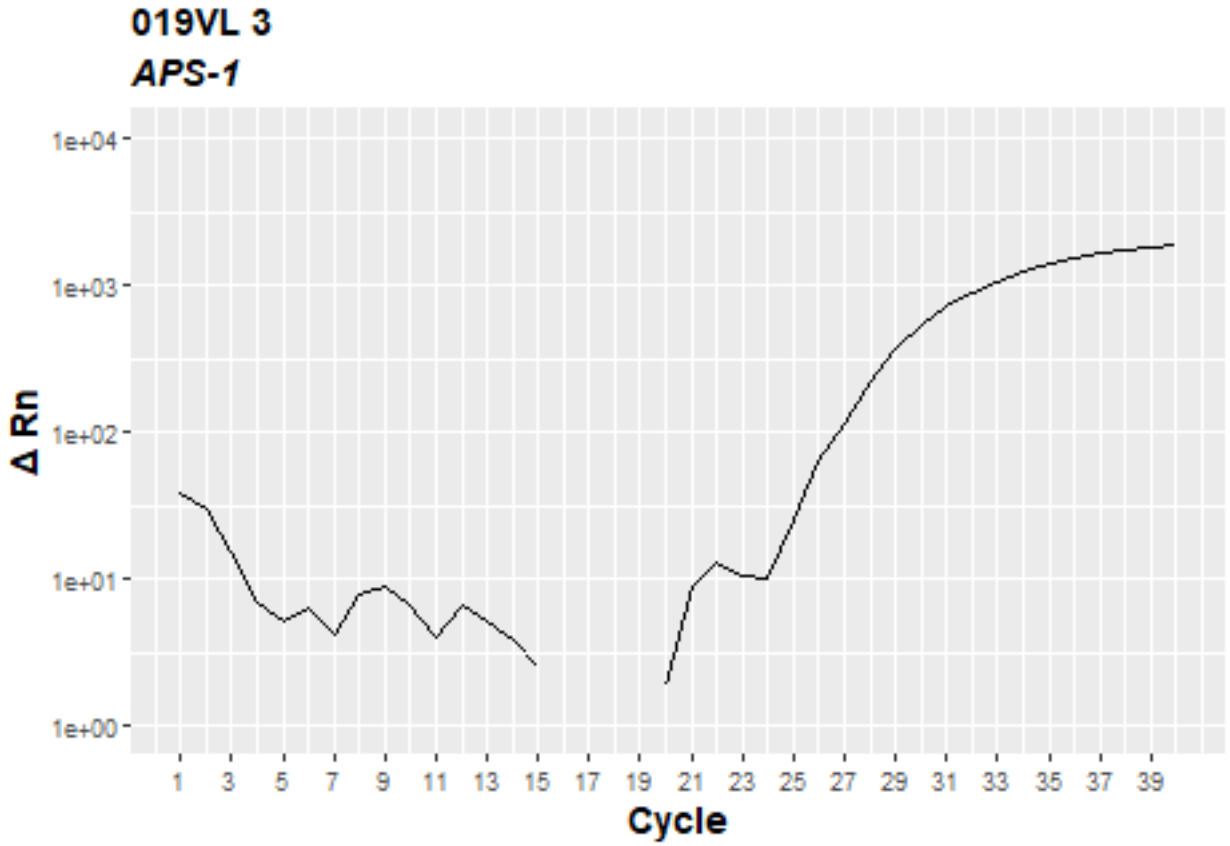
Comments: SMMO-1 for 019VL-3 was manually called 'Undetermined' because it did not match the melting temperature of the positive control.

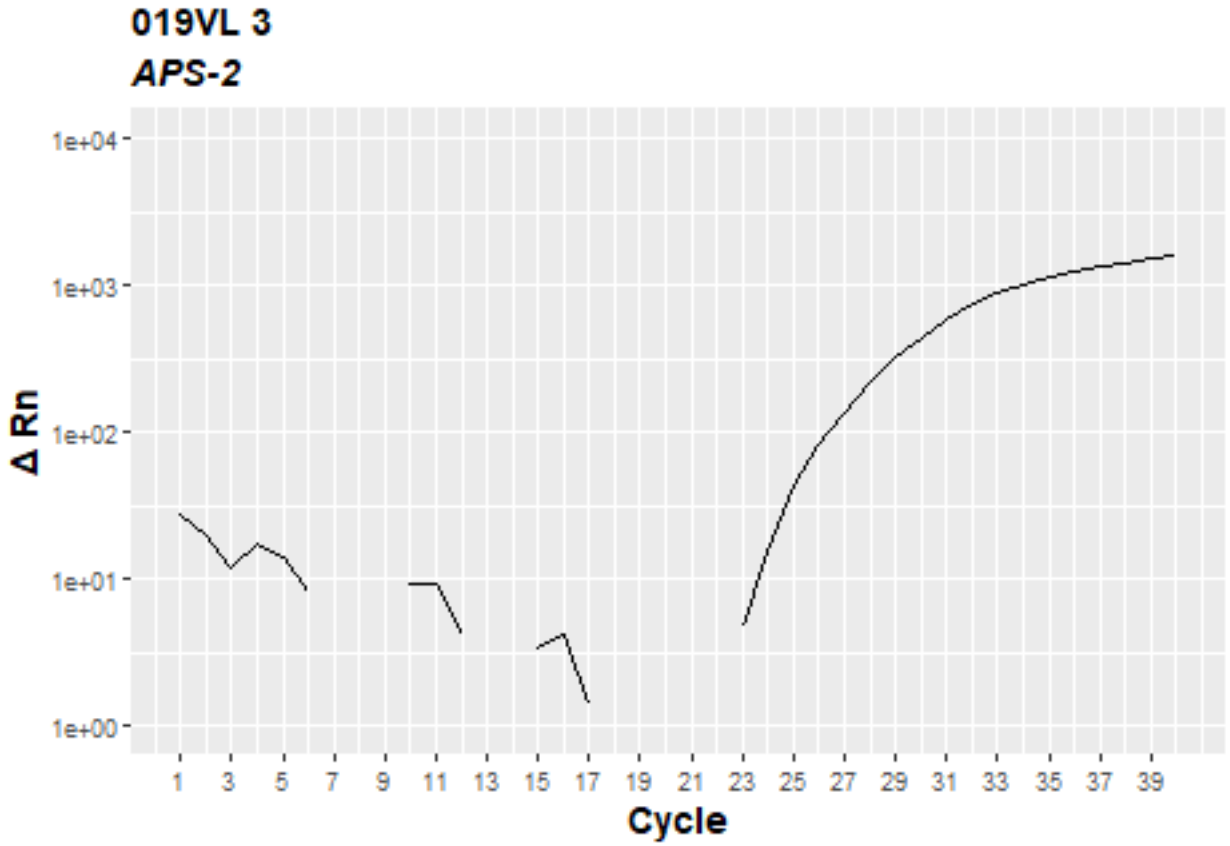


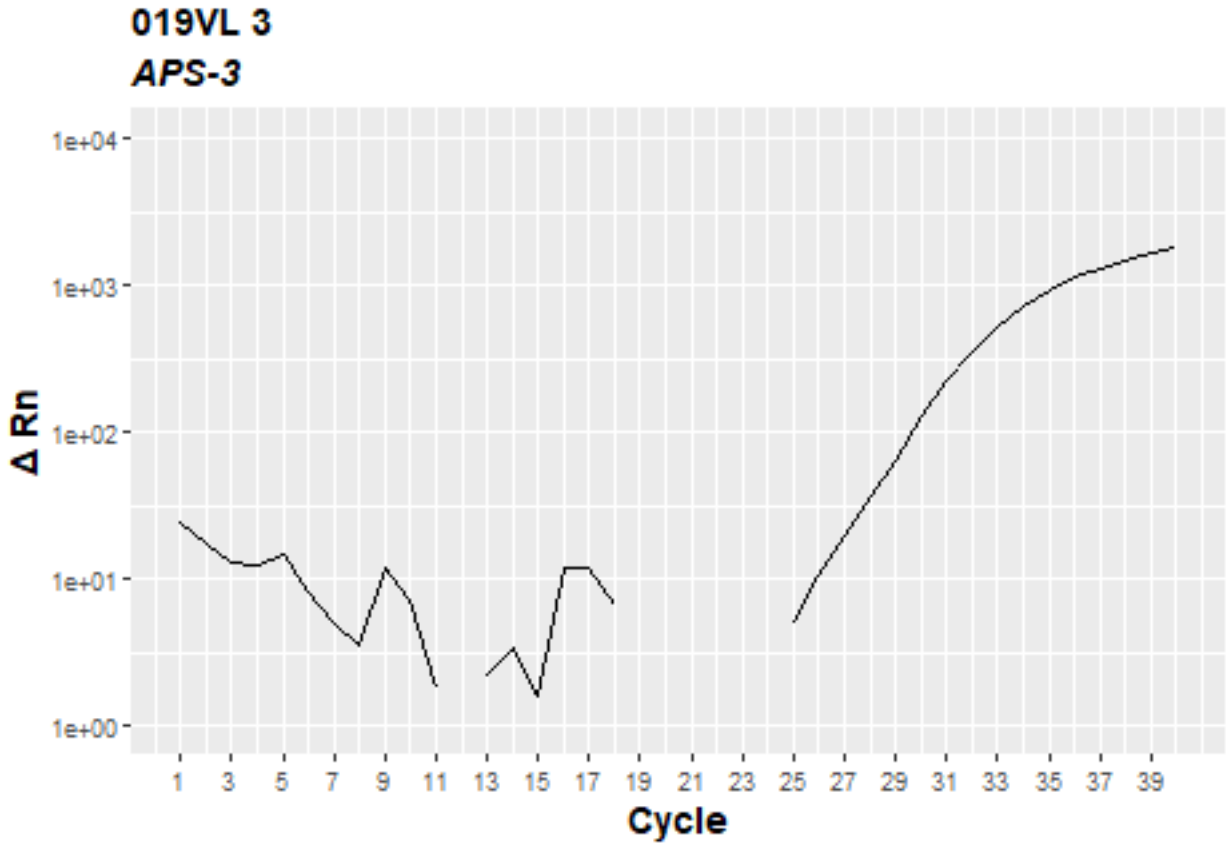
Comments: SMMO-2 for 019VL-3 was manually called 'Undetermined' because it did not match the melting temperature of the positive control.

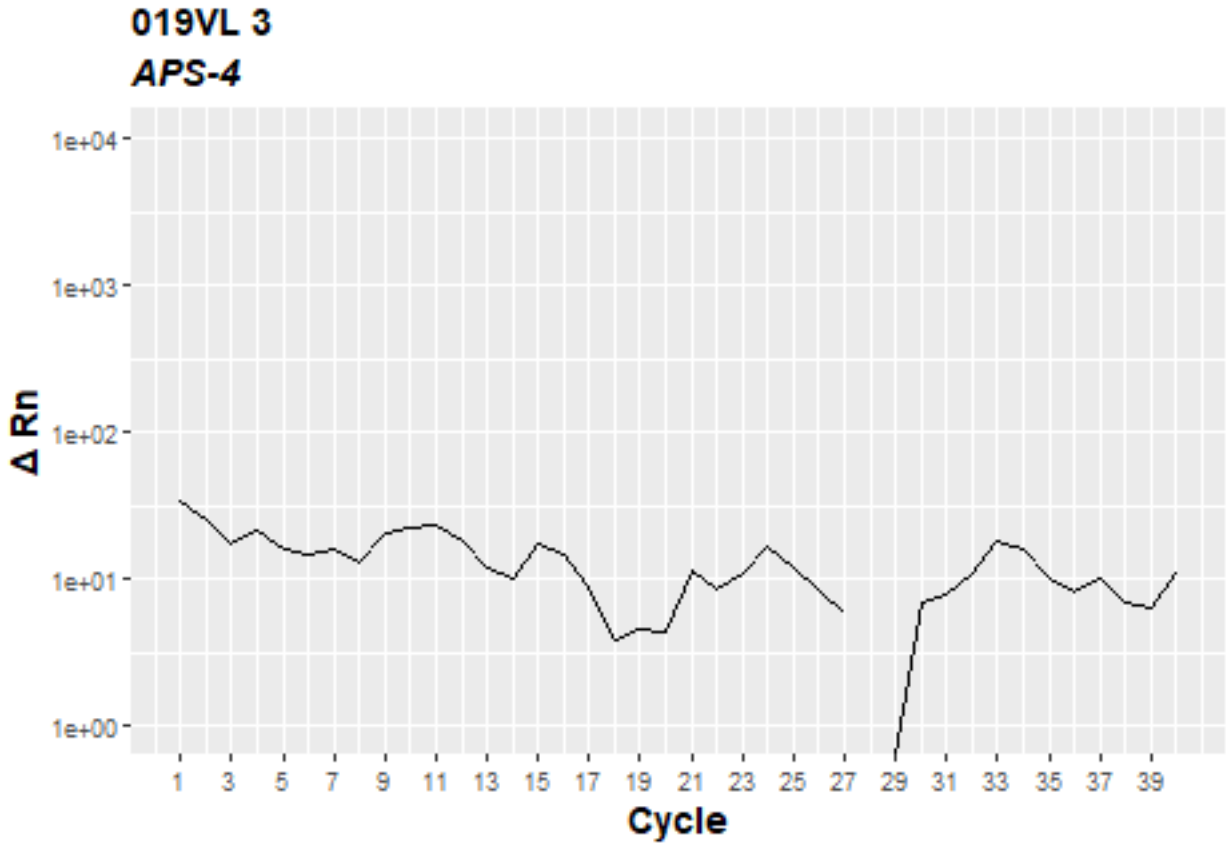


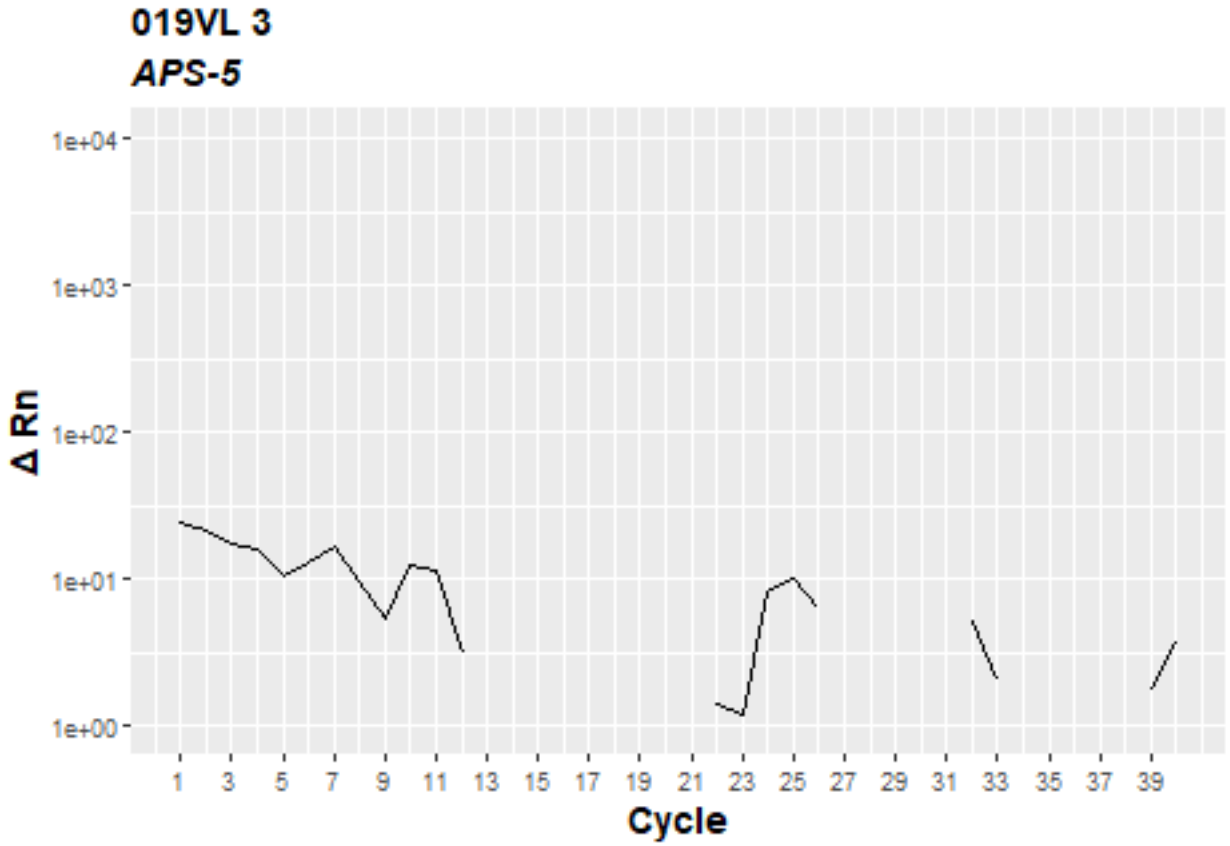
Comments: TOD for 019VL-3 was manually called 'Undetermined' because it did not match the melting temperature of the positive control.

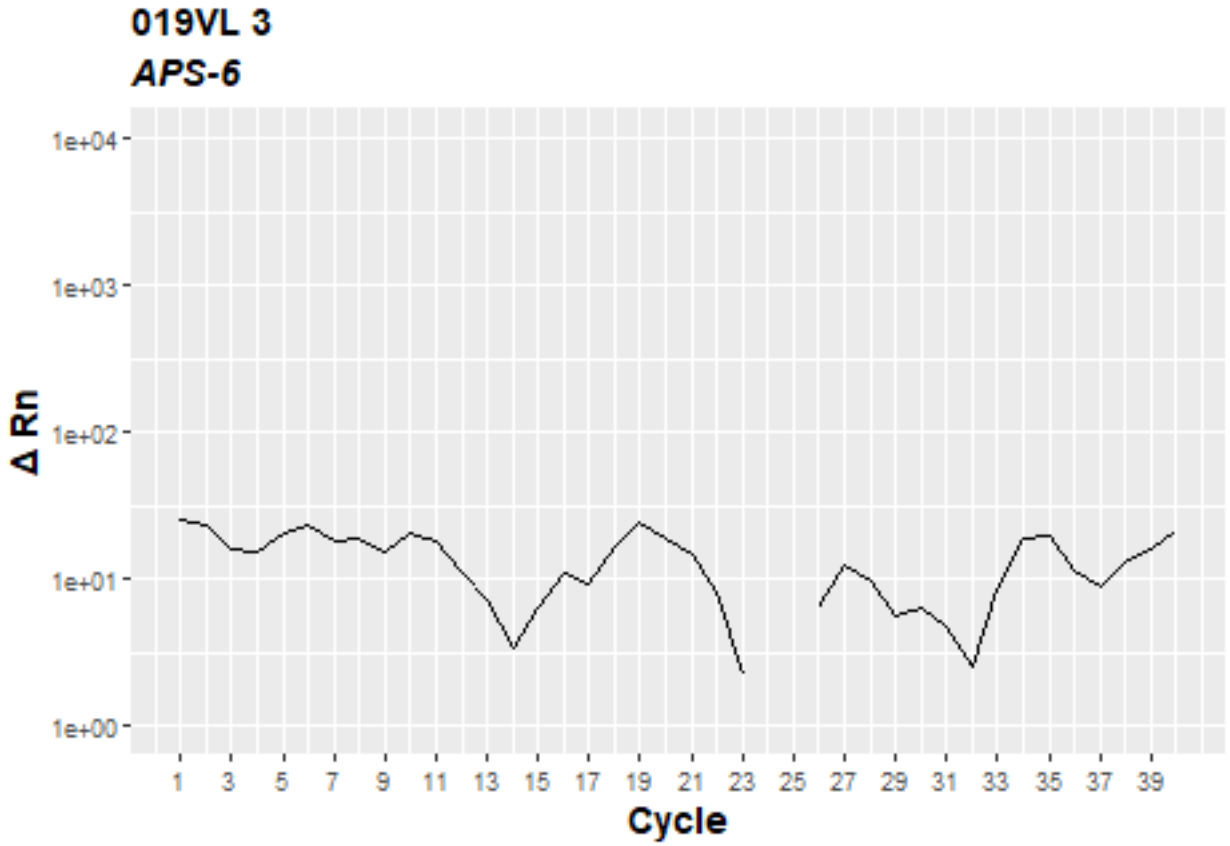

019VL 3
APS-1
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

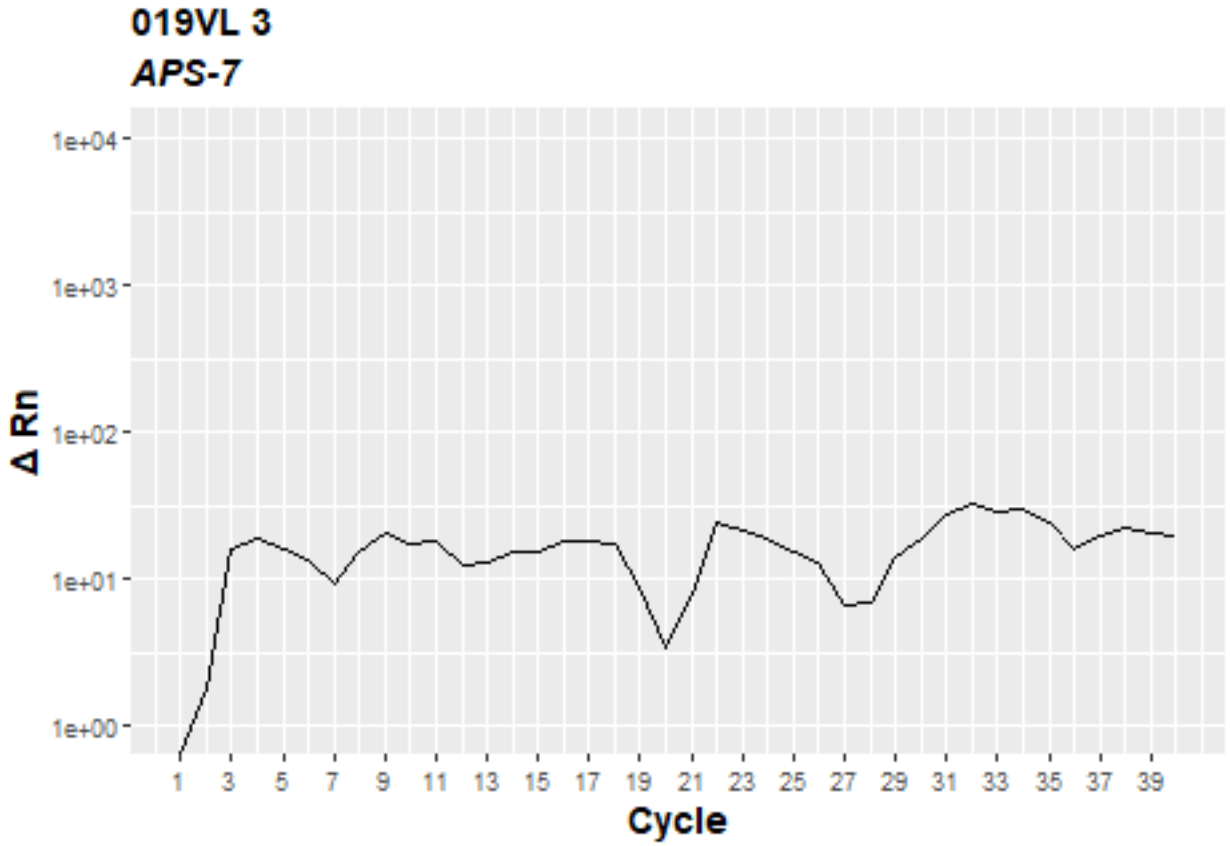

019VL 3
APS-2
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

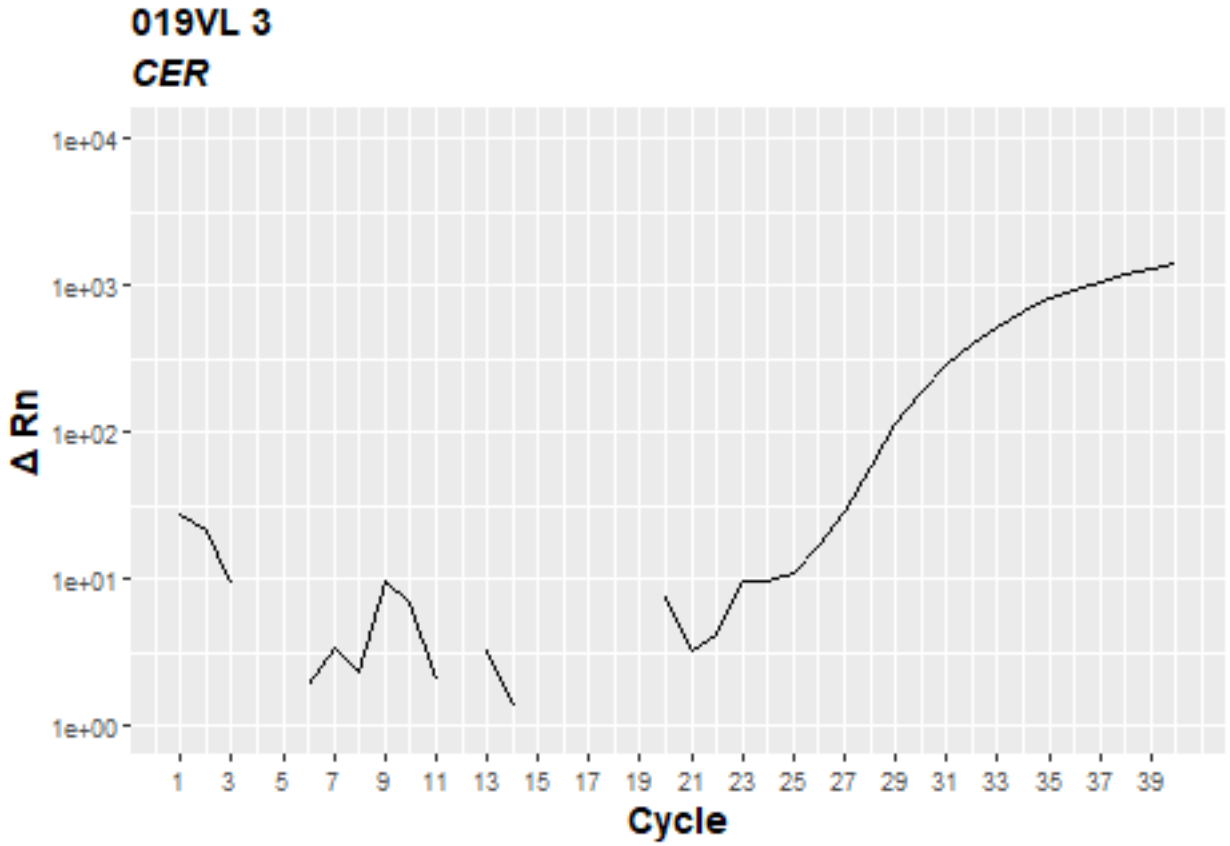

019VL 3
APS-3
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

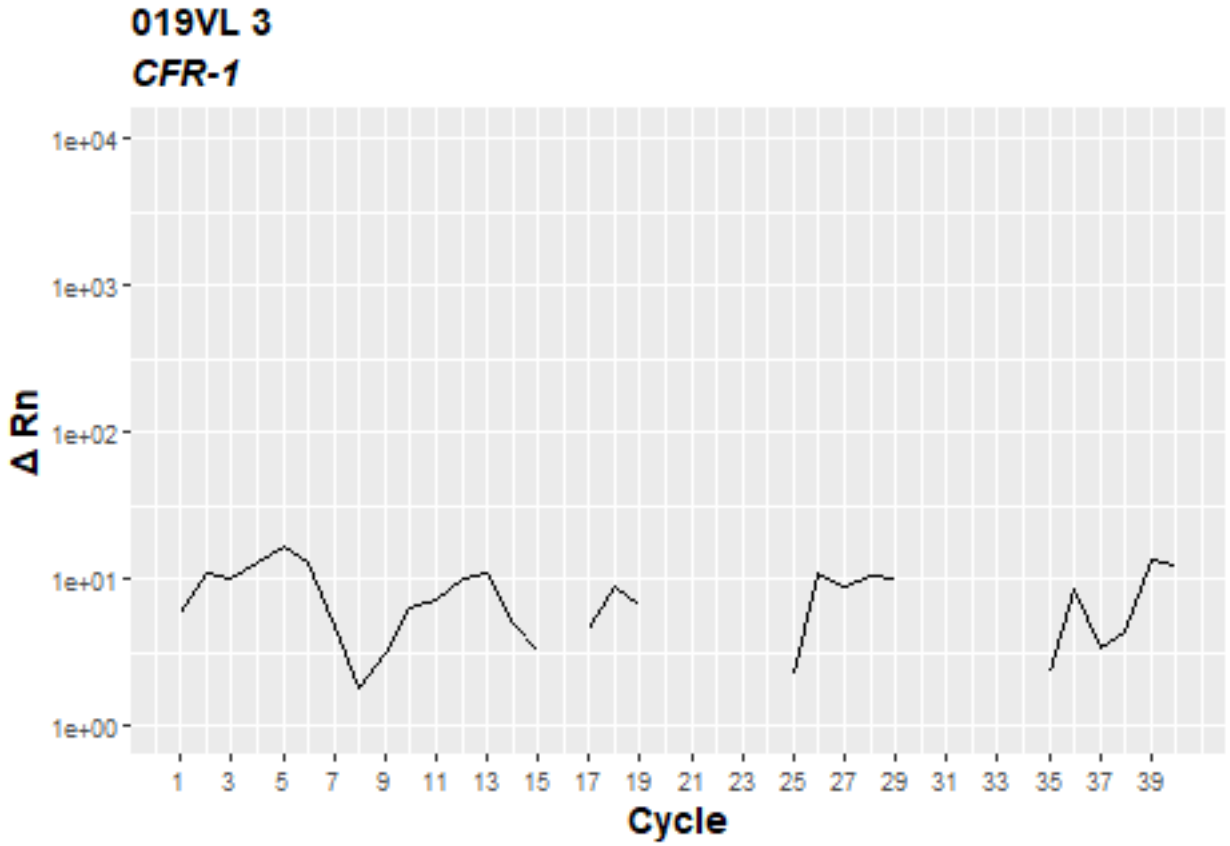

019VL 3
APS-4
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

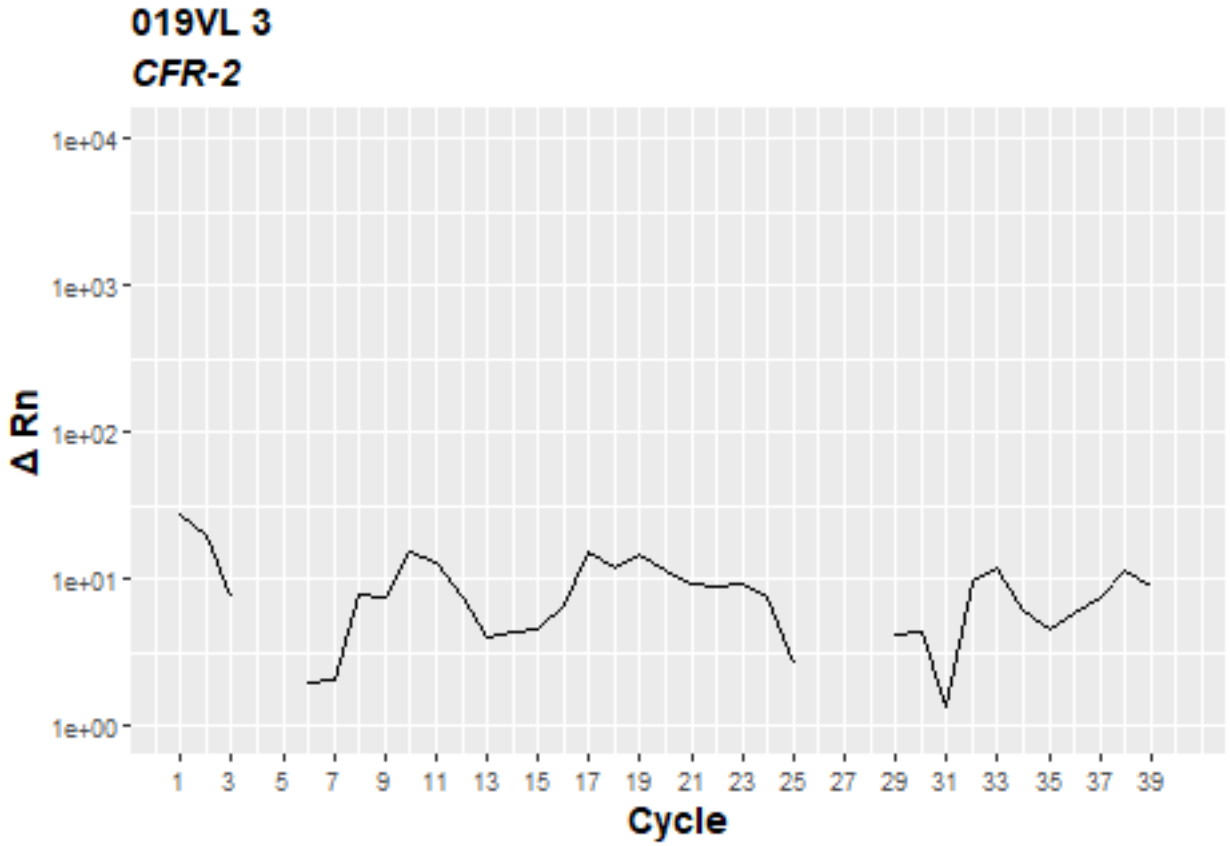

019VL 3
APS-5
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

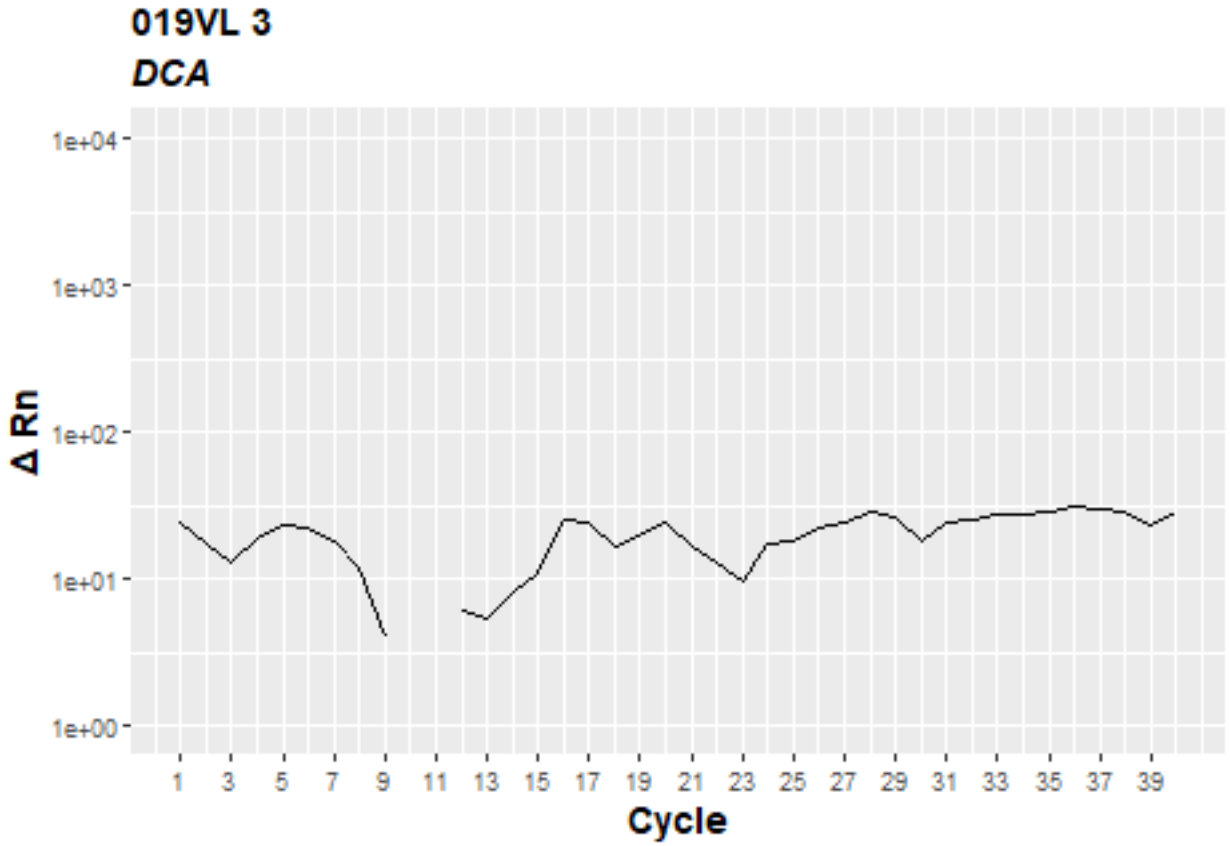

019VL 3
APS-6
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

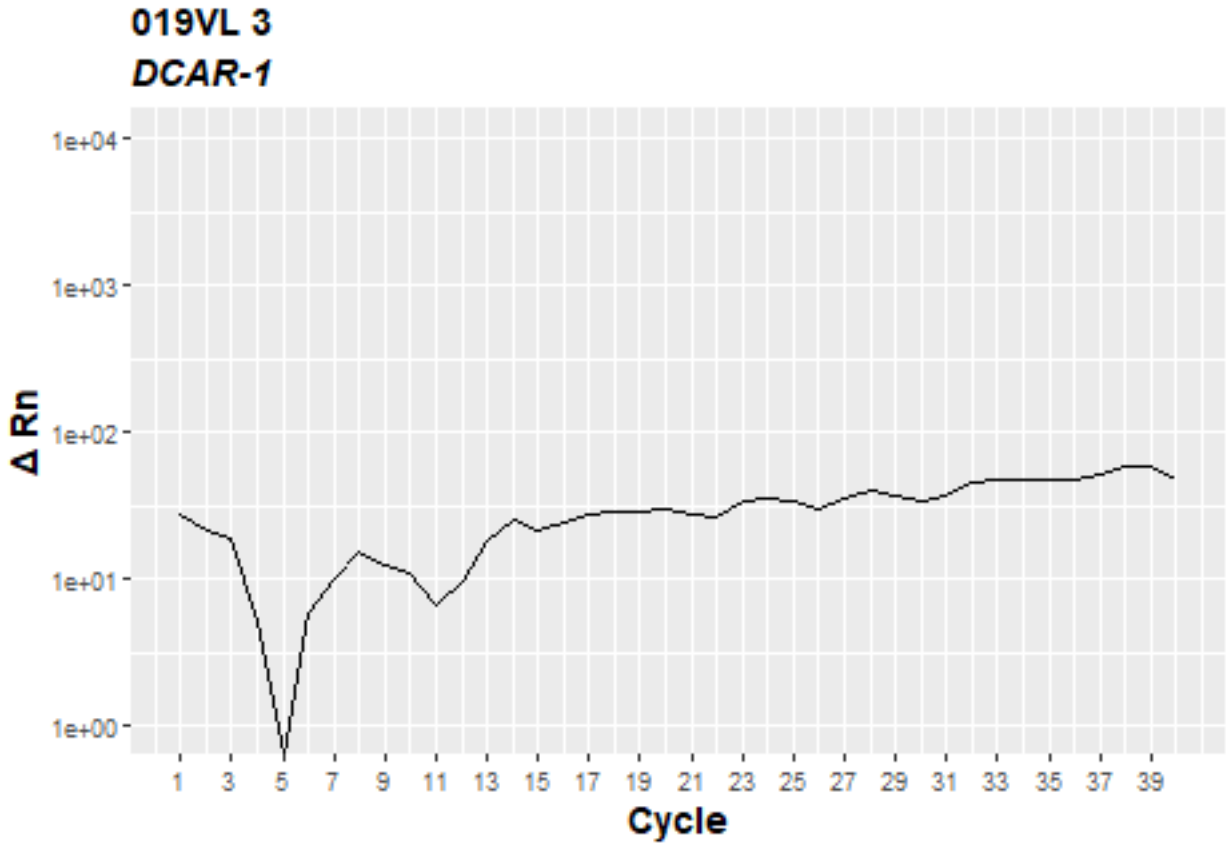

019VL 3
APS-7
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

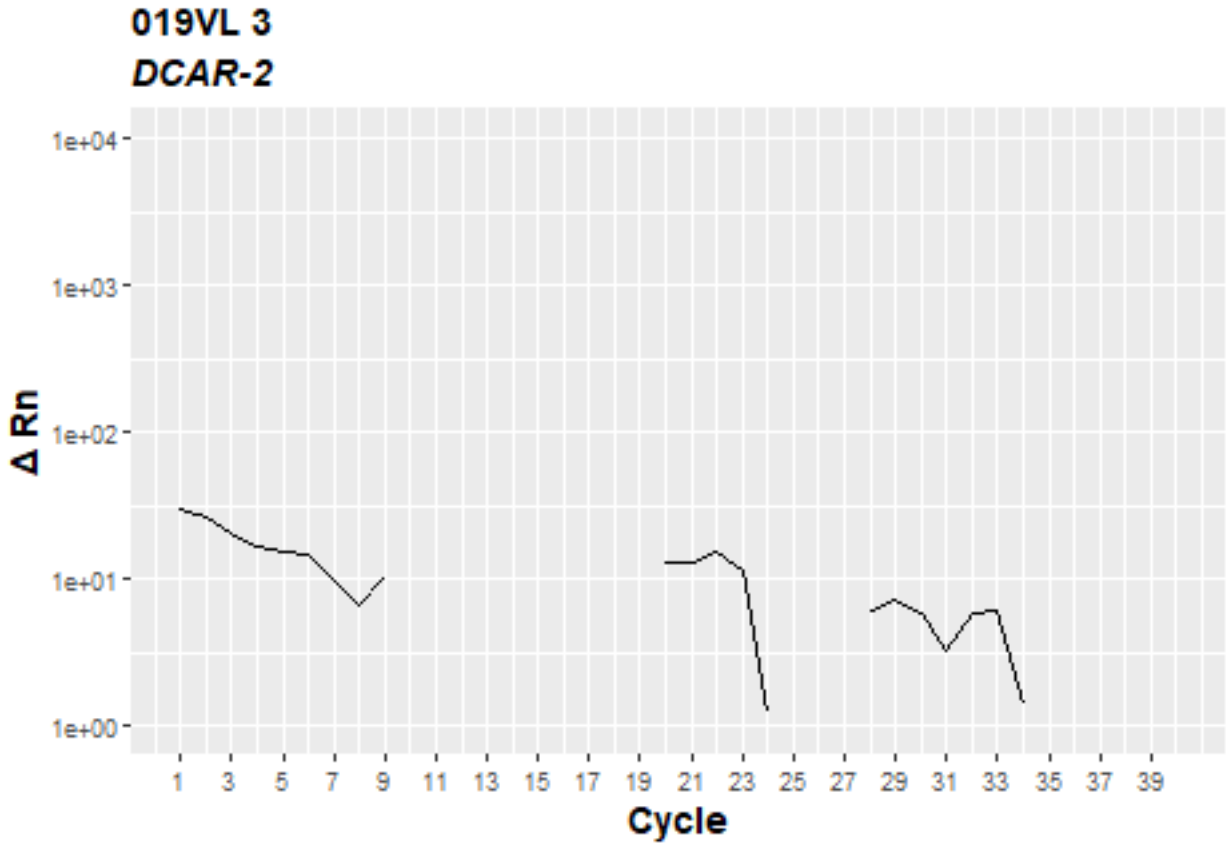

019VL 3
CER
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

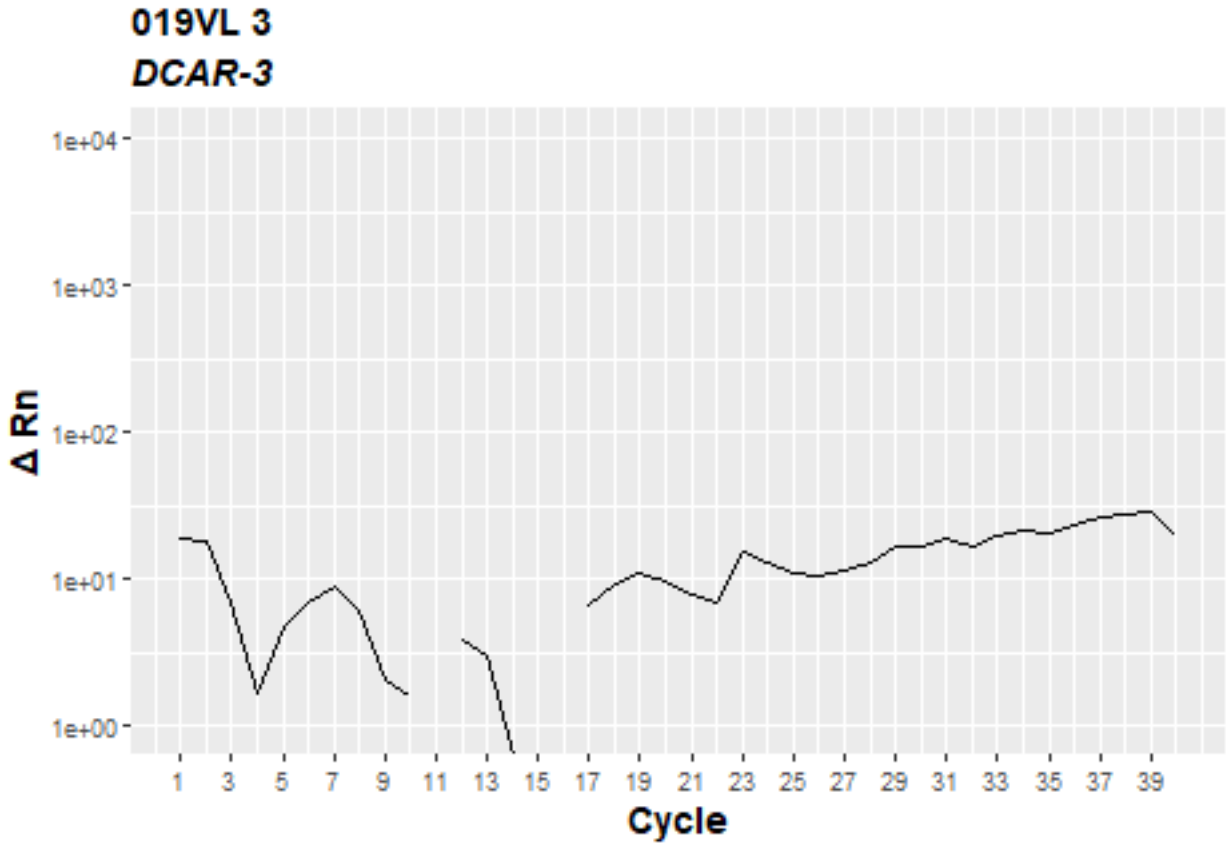

019VL 3
CFR-1
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

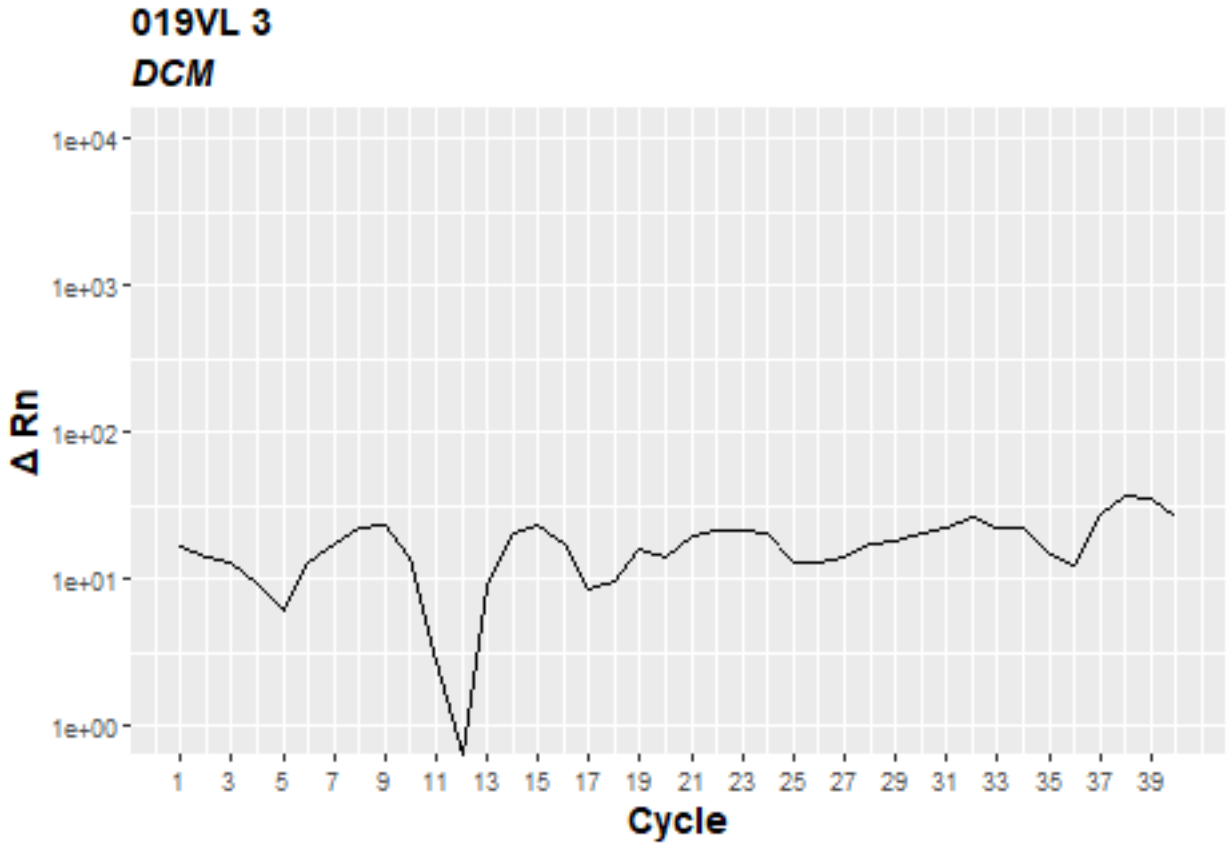

019VL 3
CFR-2
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

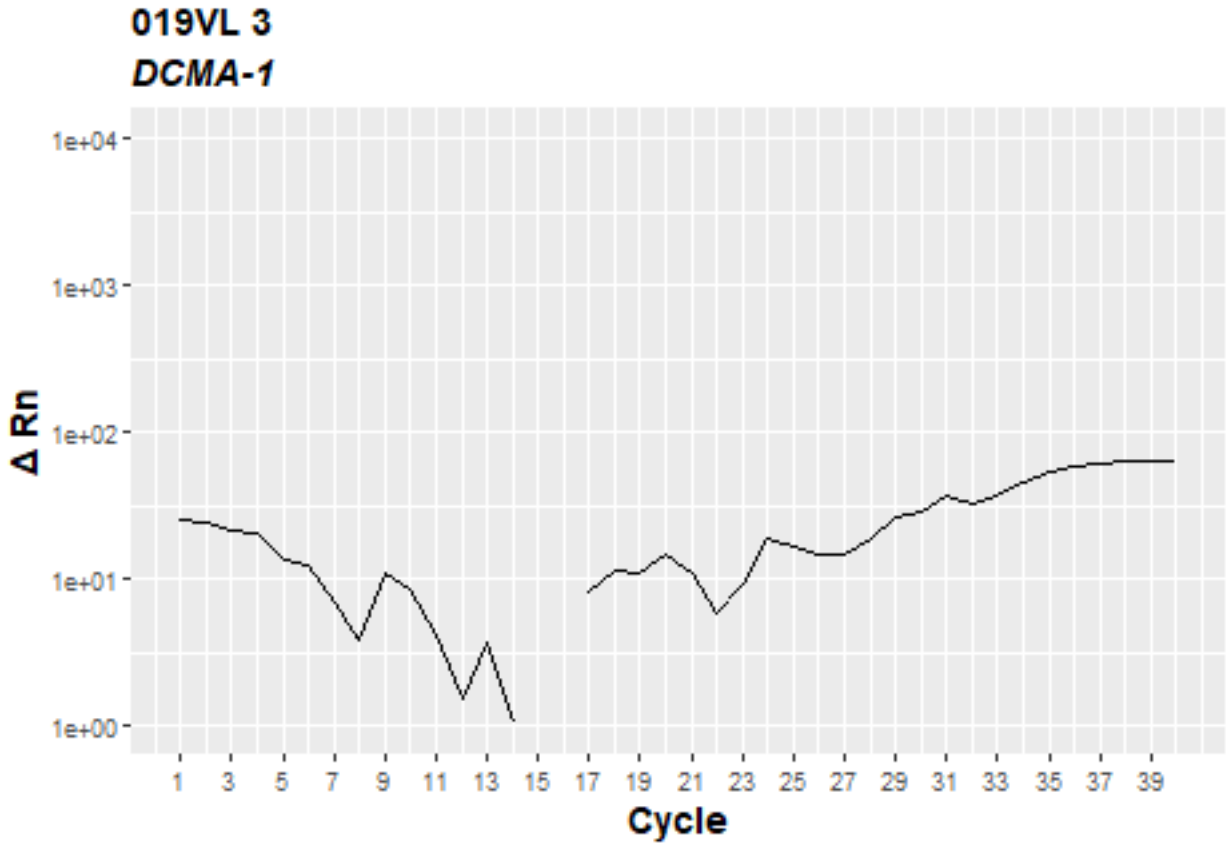

019VL 3
DCA
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

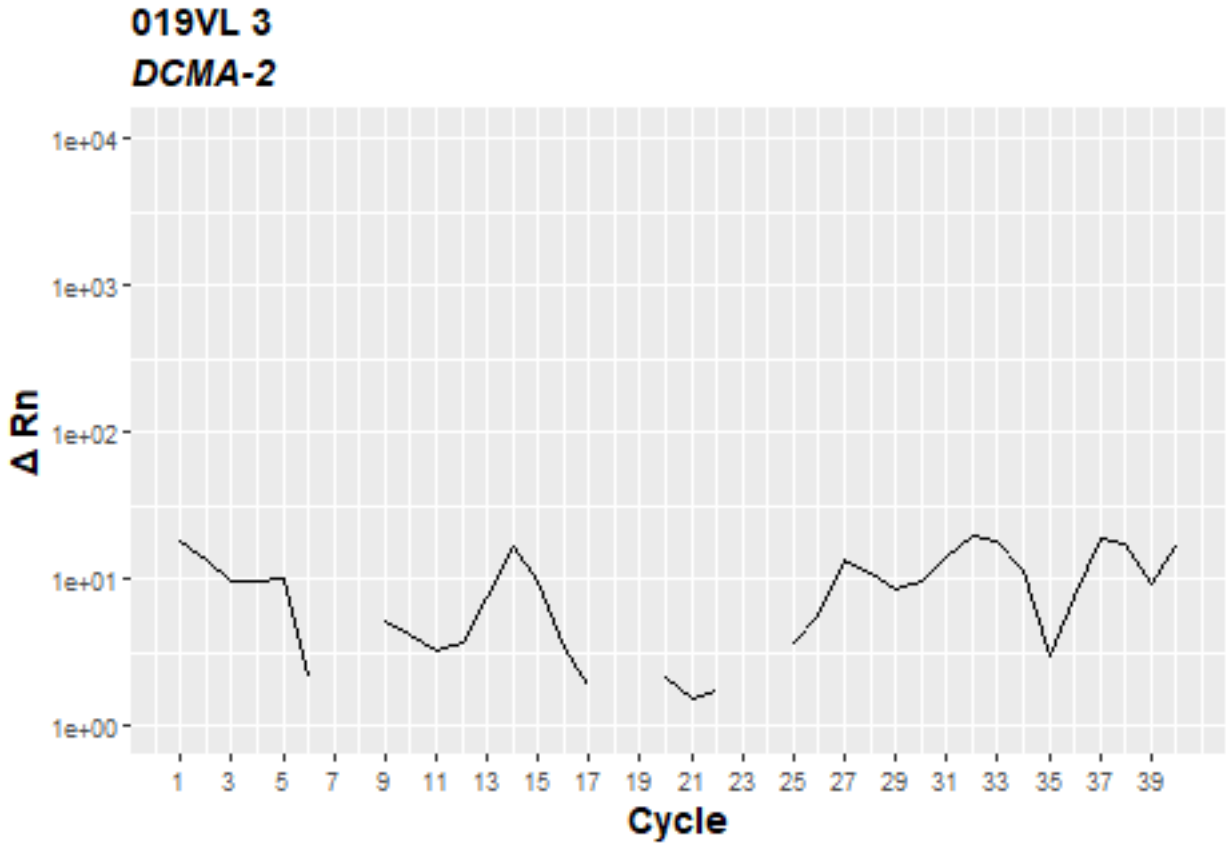

019VL 3
DCAR-1
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

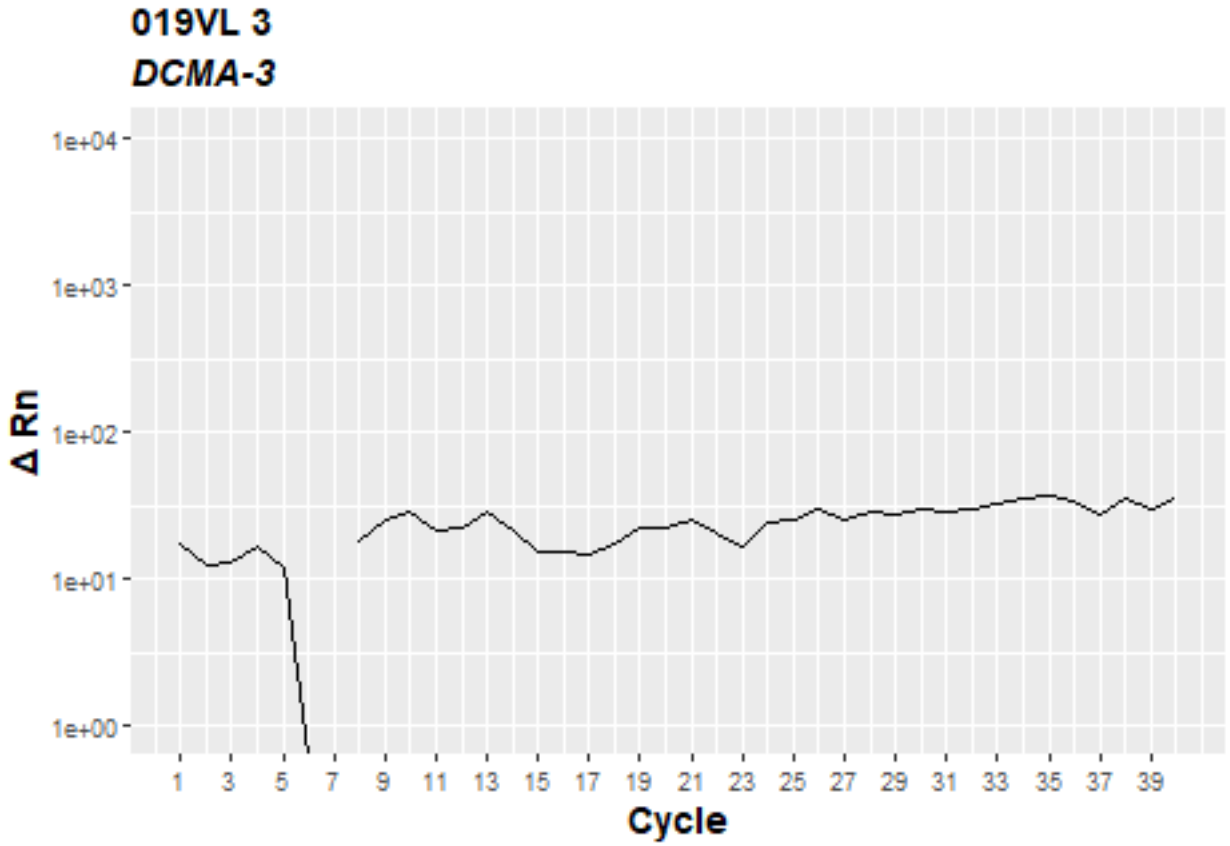

019VL 3
DCAR-2
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

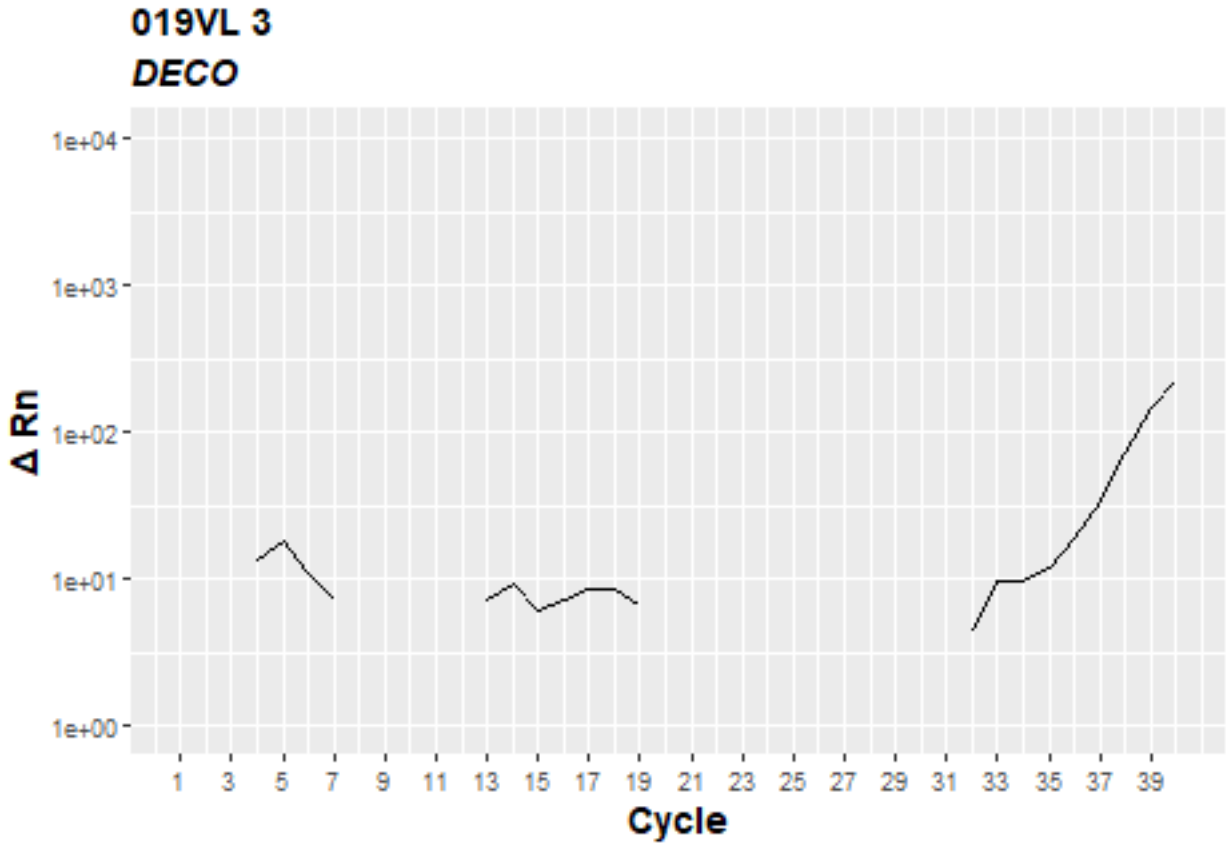

019VL 3
DCAR-3
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

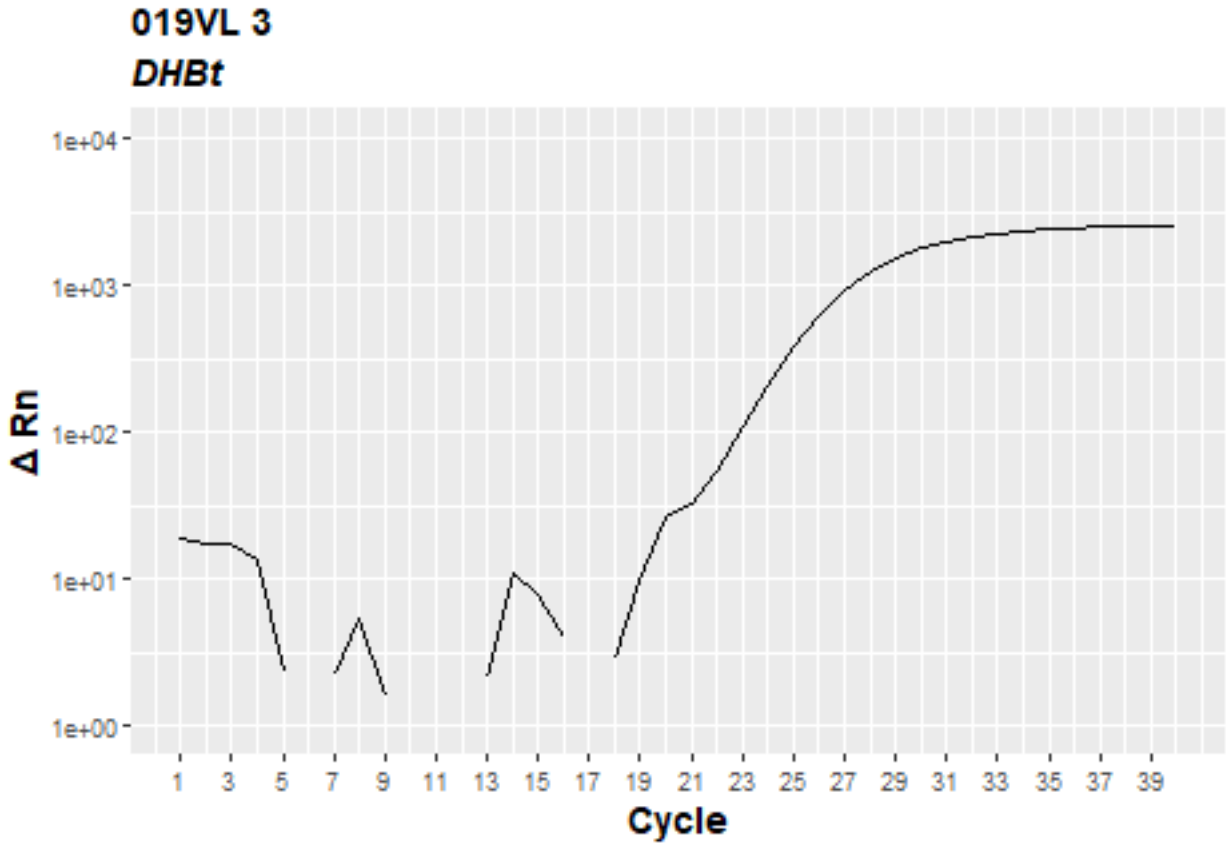

019VL 3
DCM
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1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

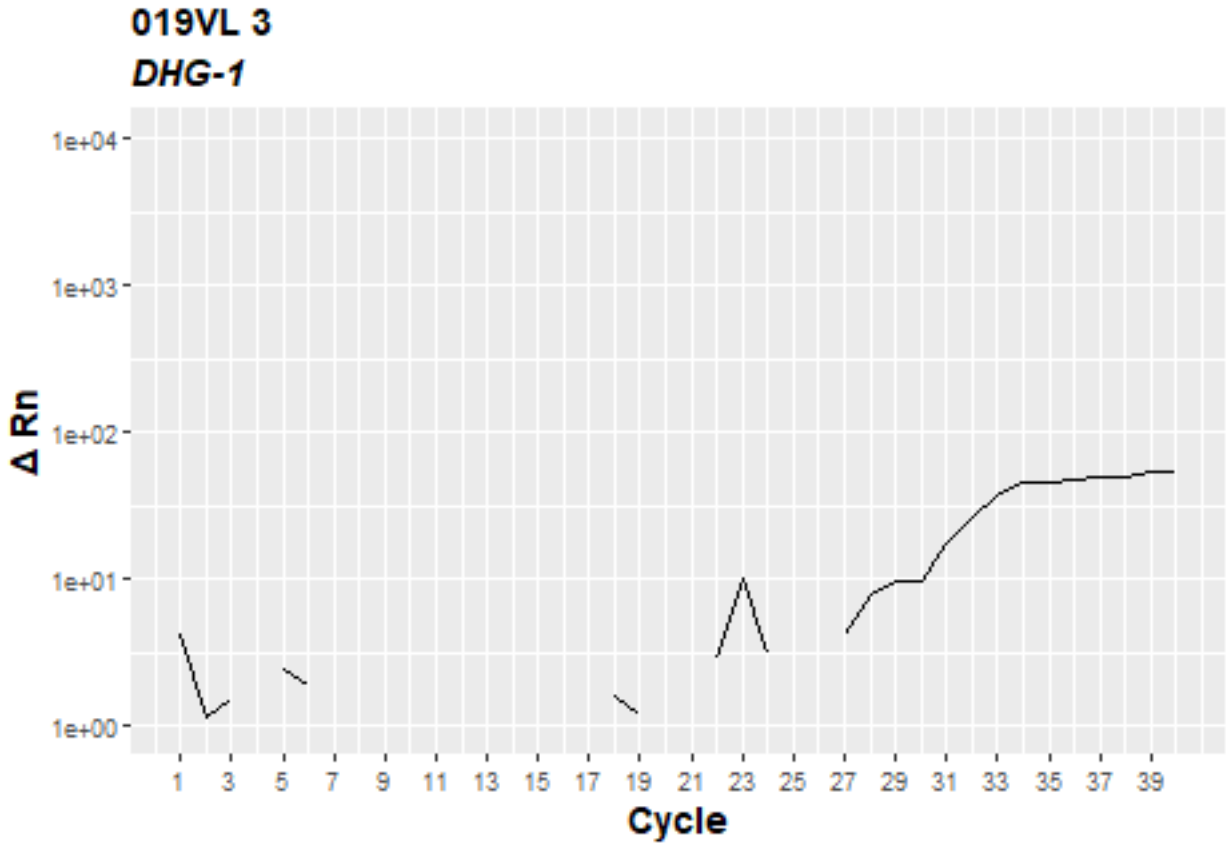

019VL 3
DCMA-1
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

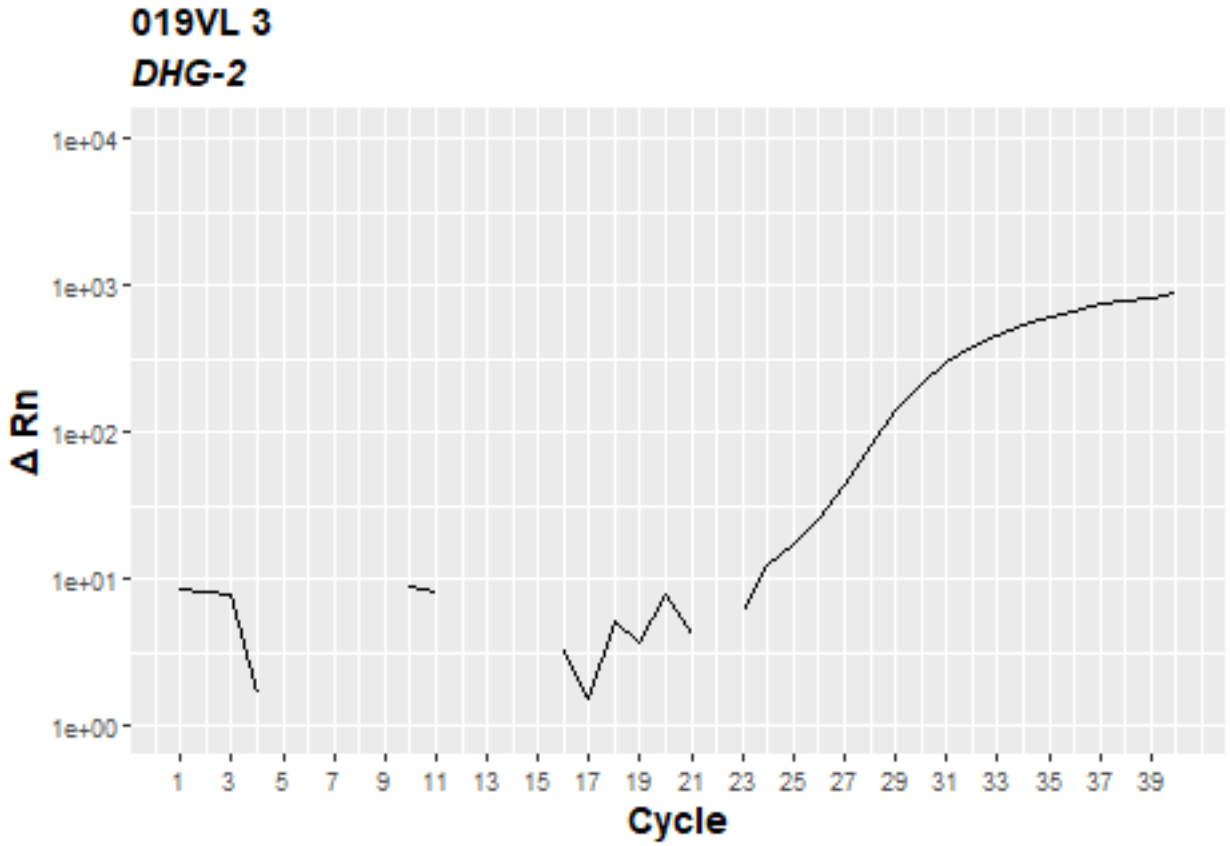

019VL 3
DCMA-2
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

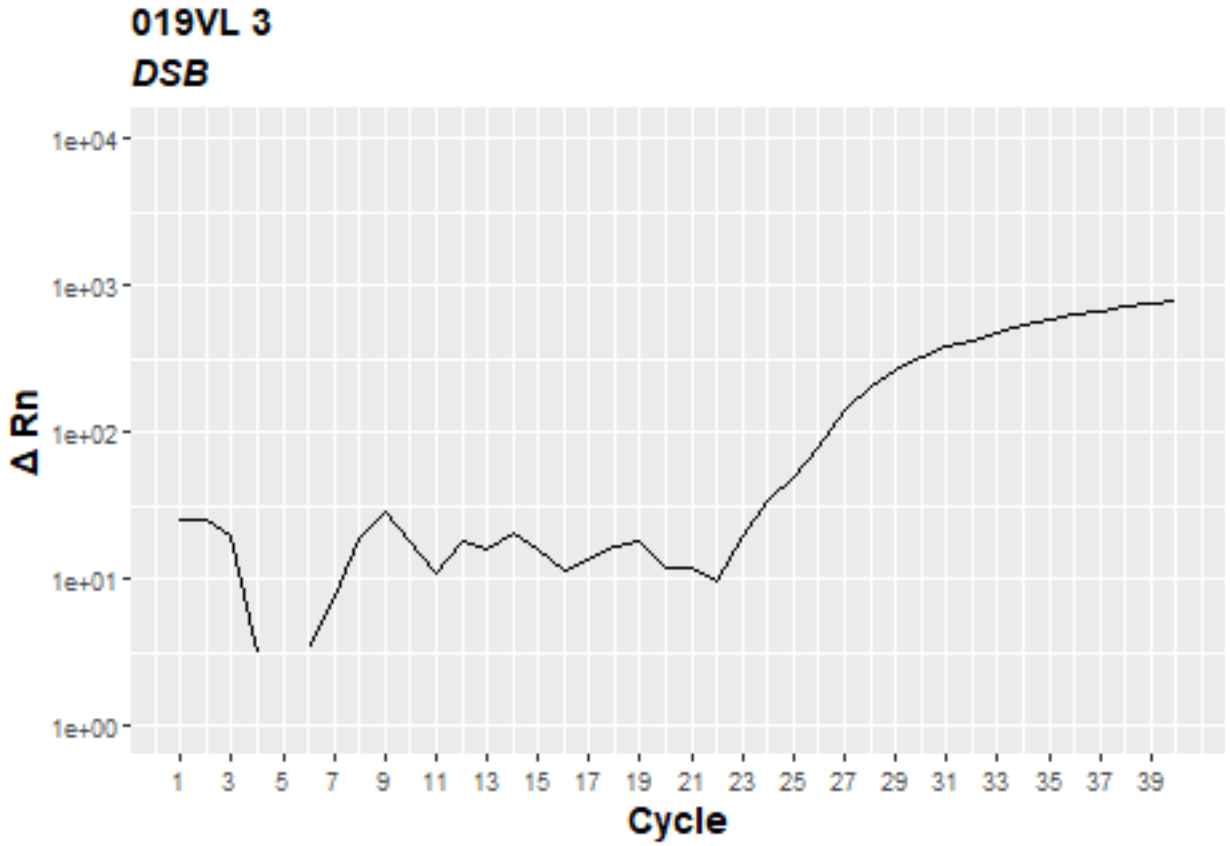

019VL 3
DCMA-3
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

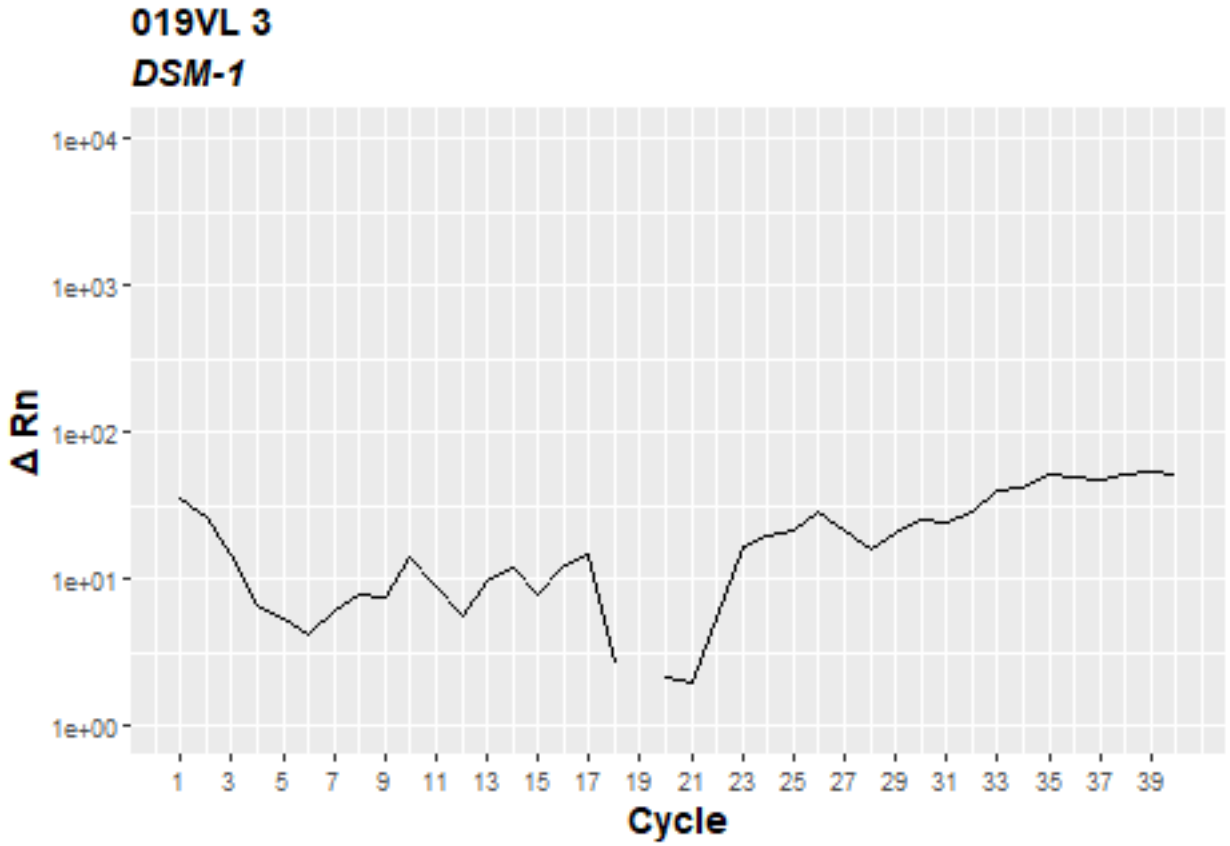

019VL 3
DECO
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

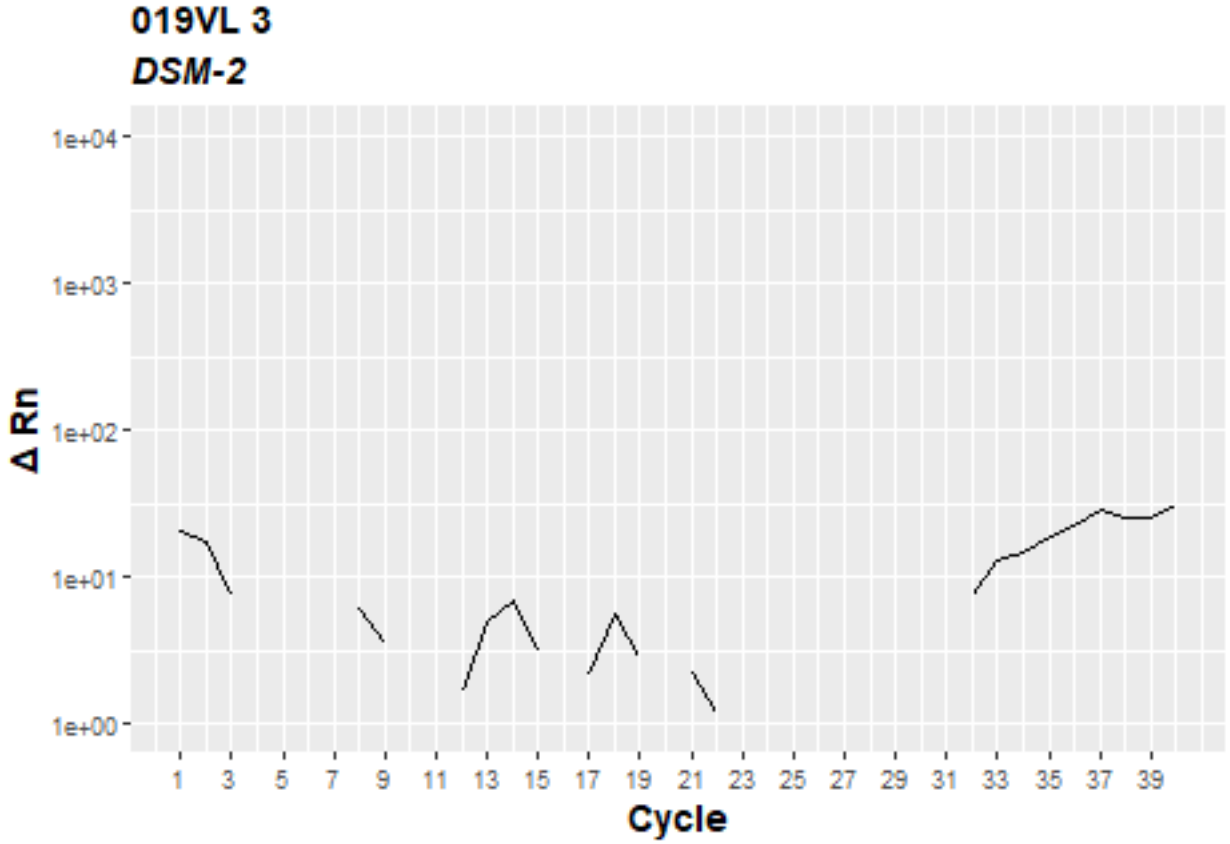

019VL 3
DHBt
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

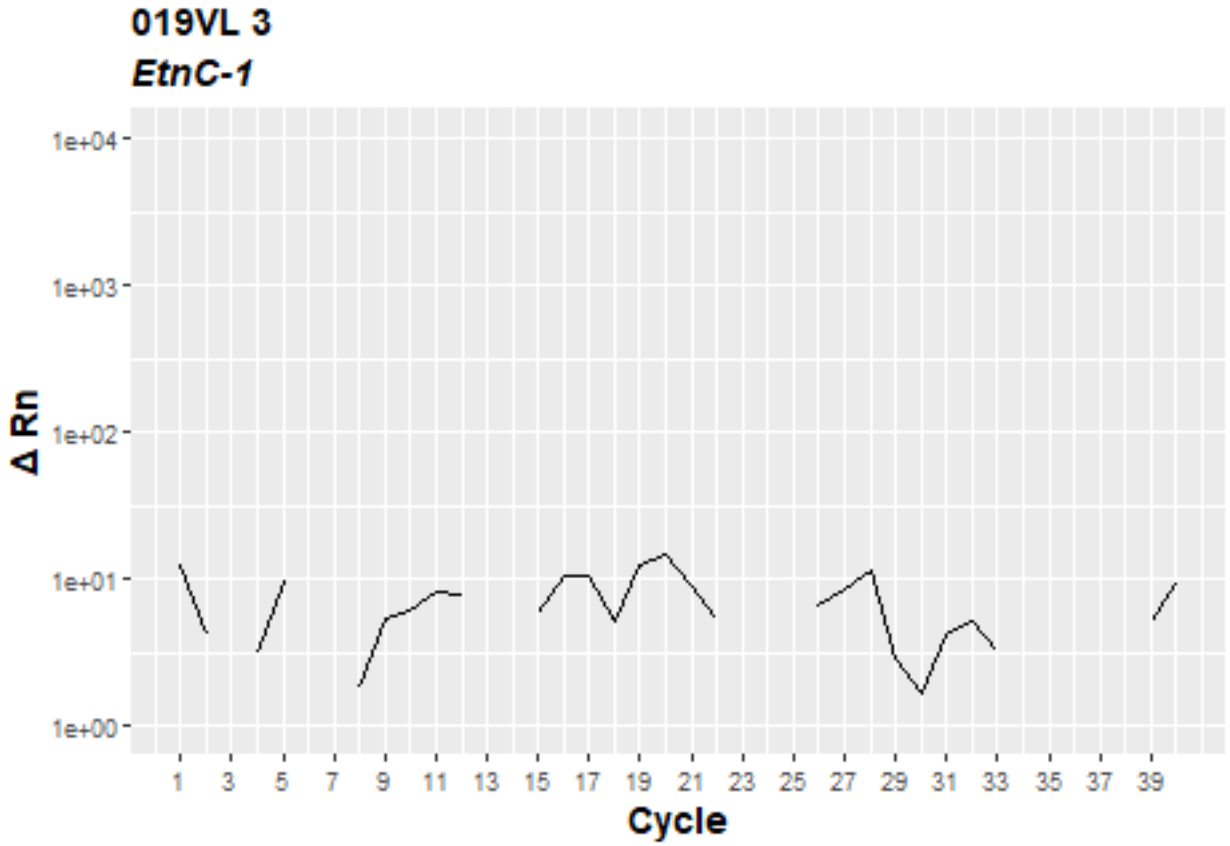

019VL 3
DHG-1
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

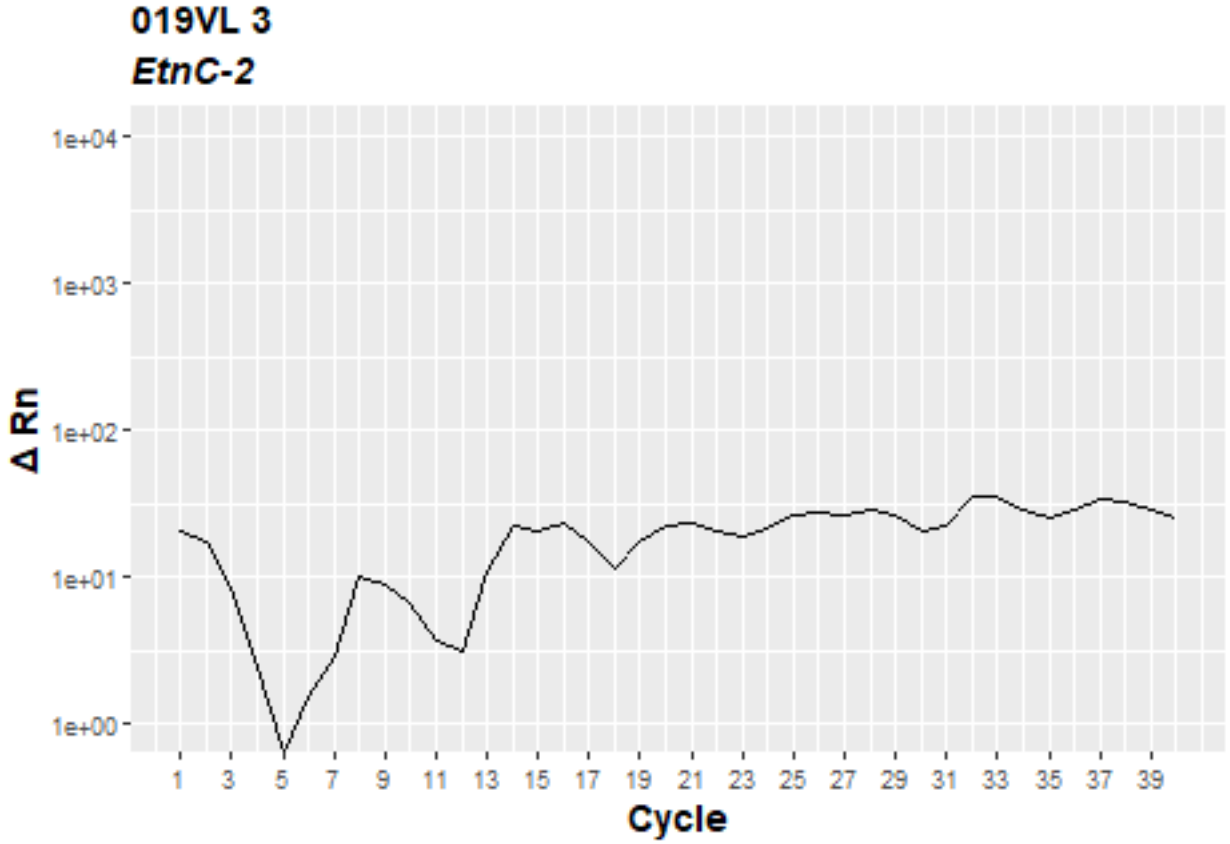

019VL 3
DHG-2
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

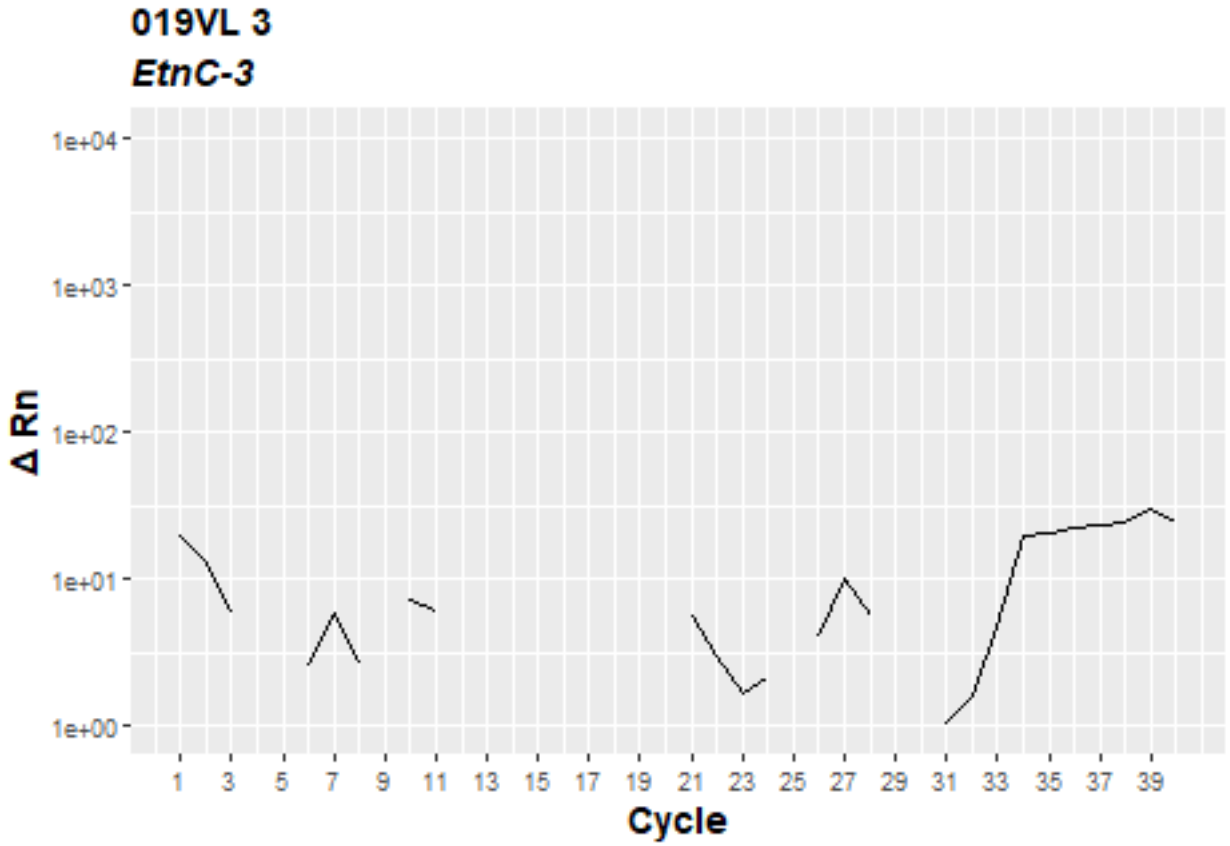

019VL 3
DSB
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

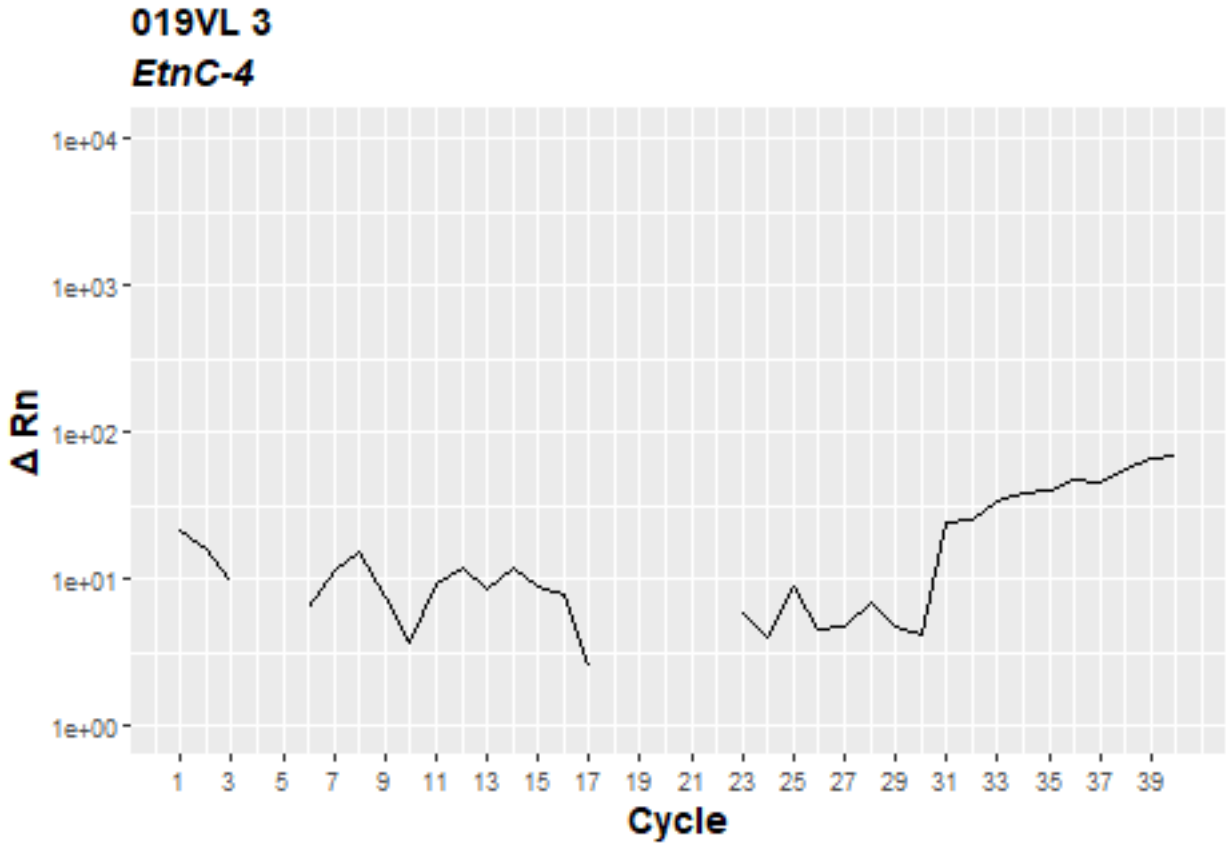

019VL 3
DSM-1
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

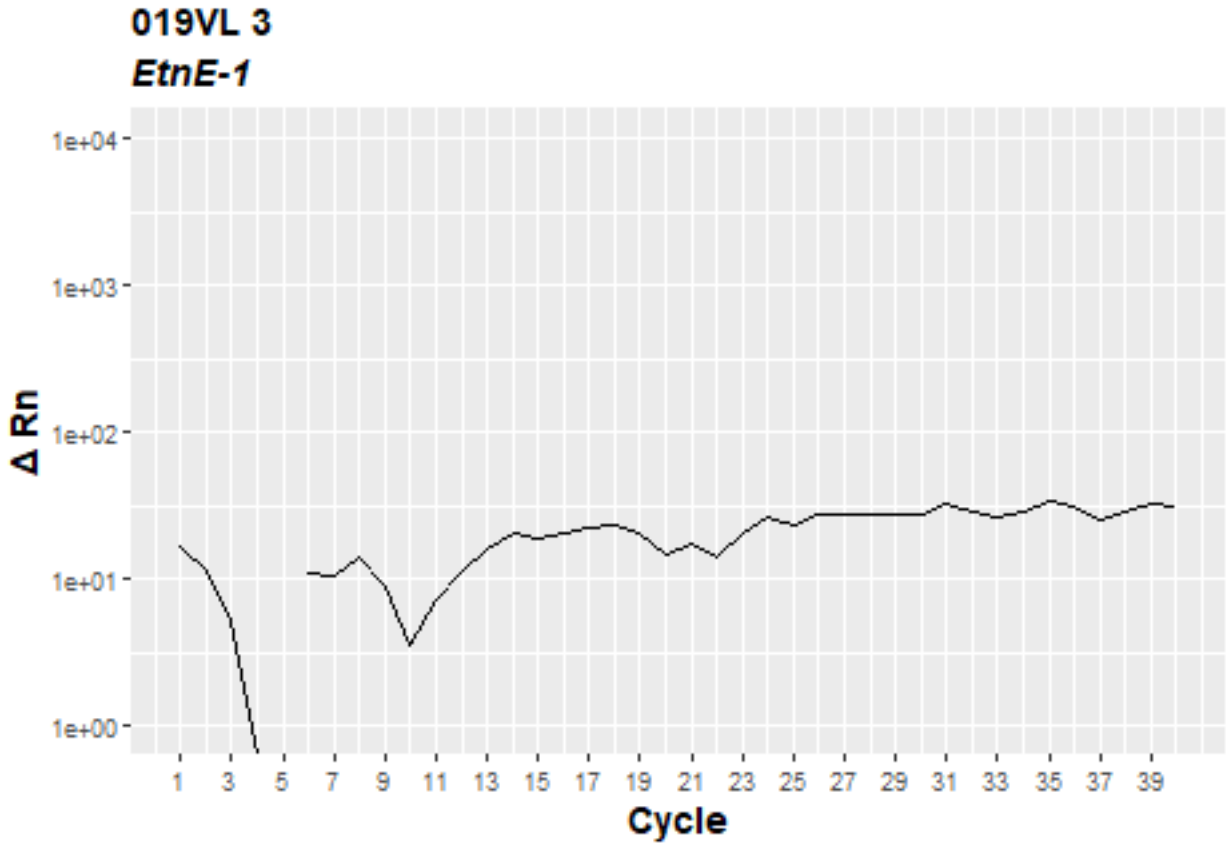

019VL 3
DSM-2
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

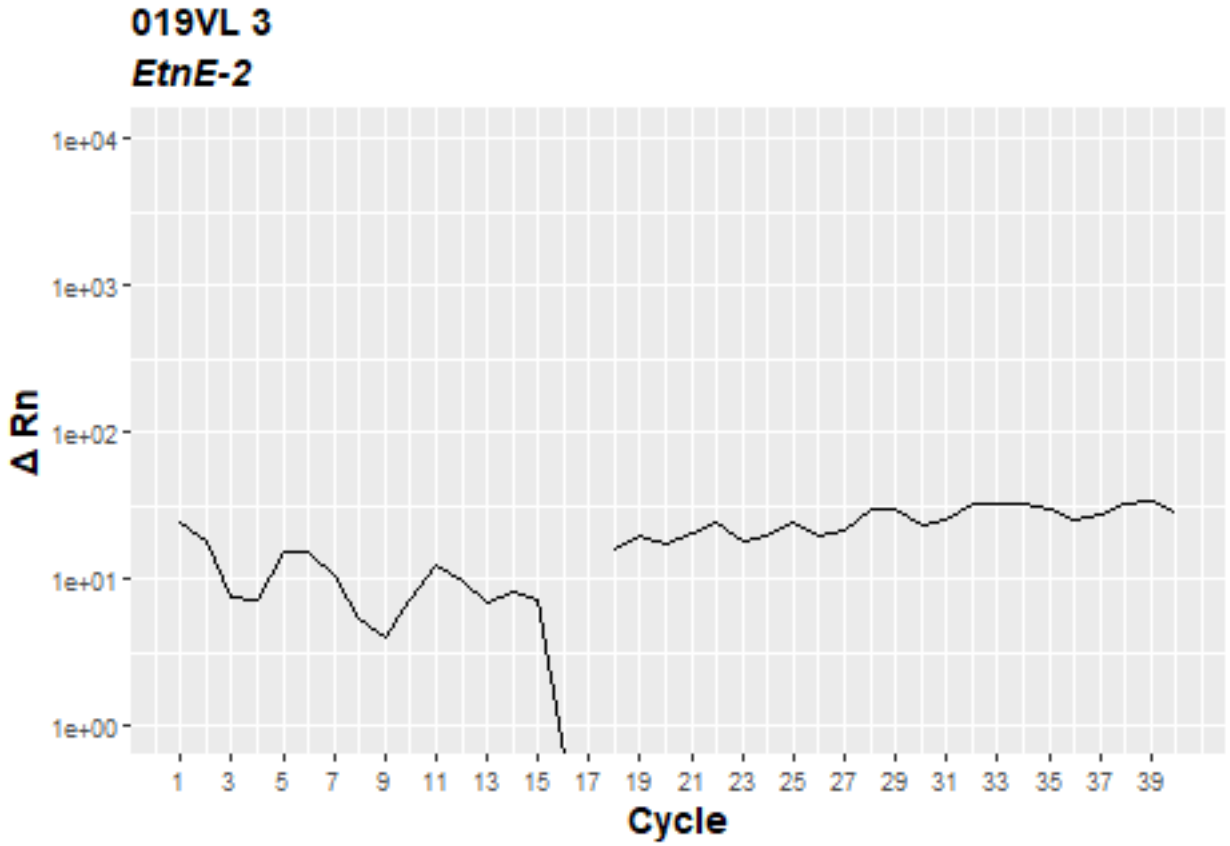

019VL 3
EtnC-1
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

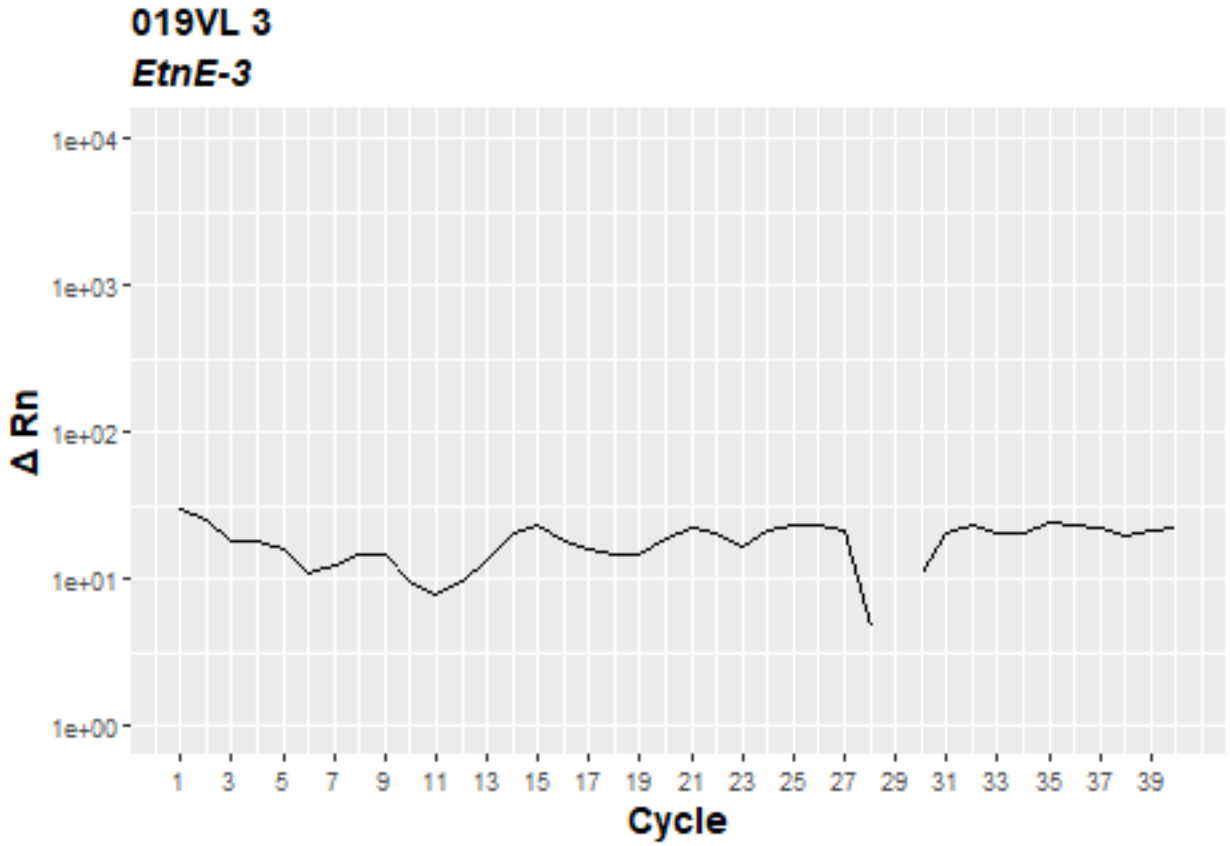

019VL 3
EtnC-2
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

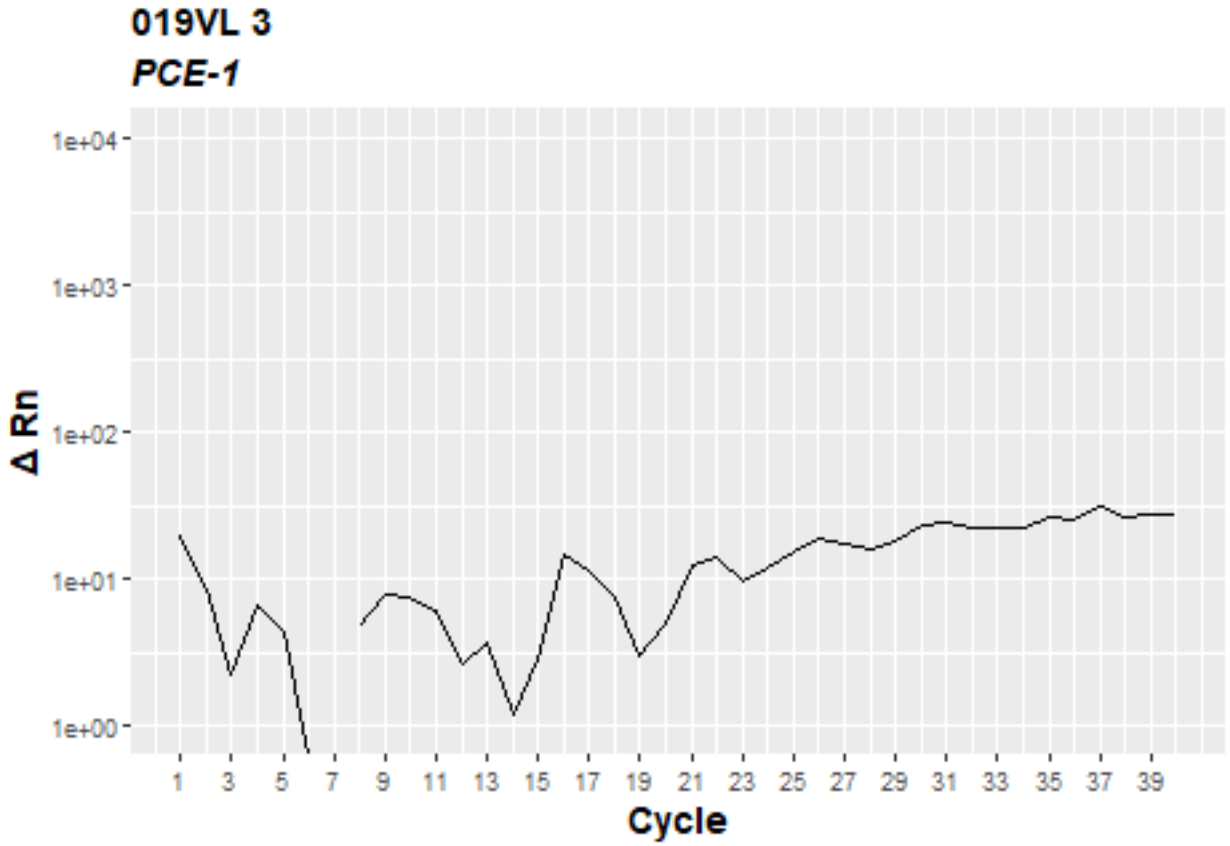

019VL 3
EtnC-3
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

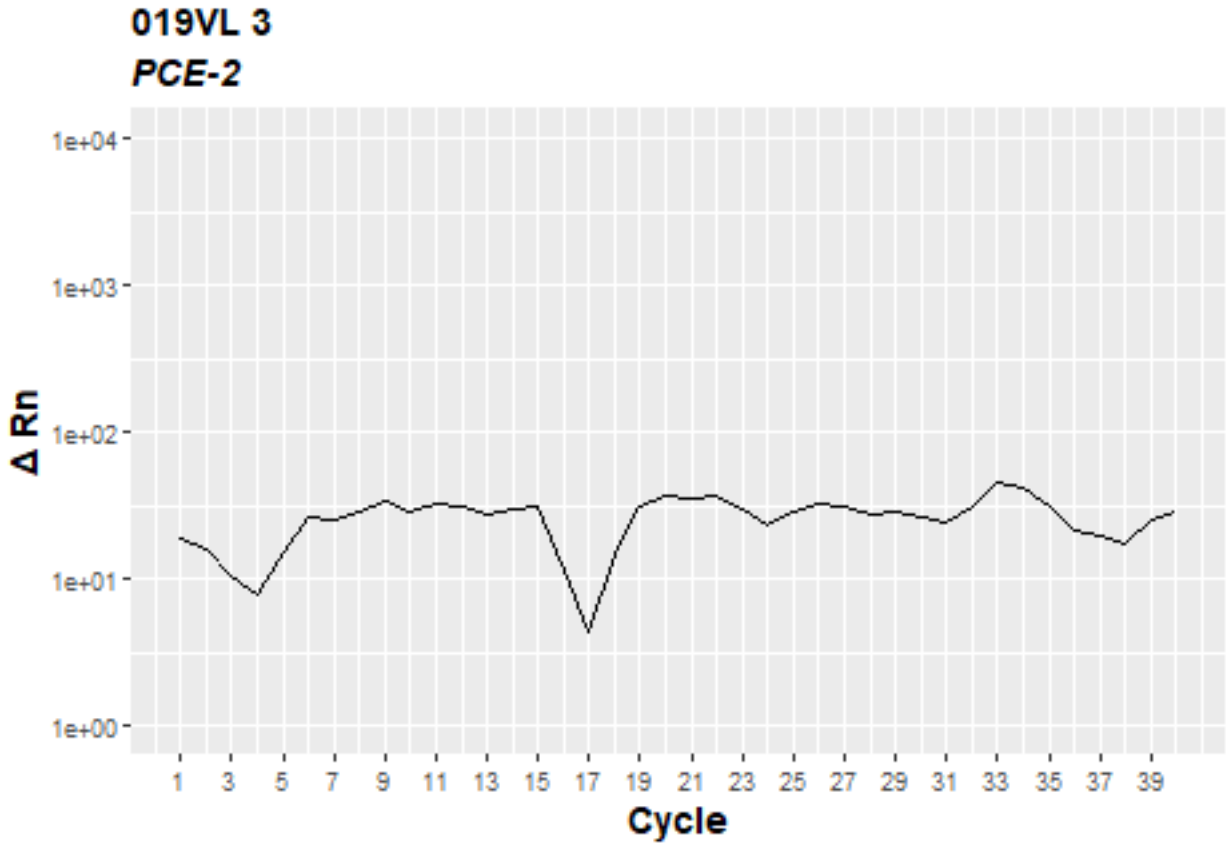

019VL 3
EtnC-4
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

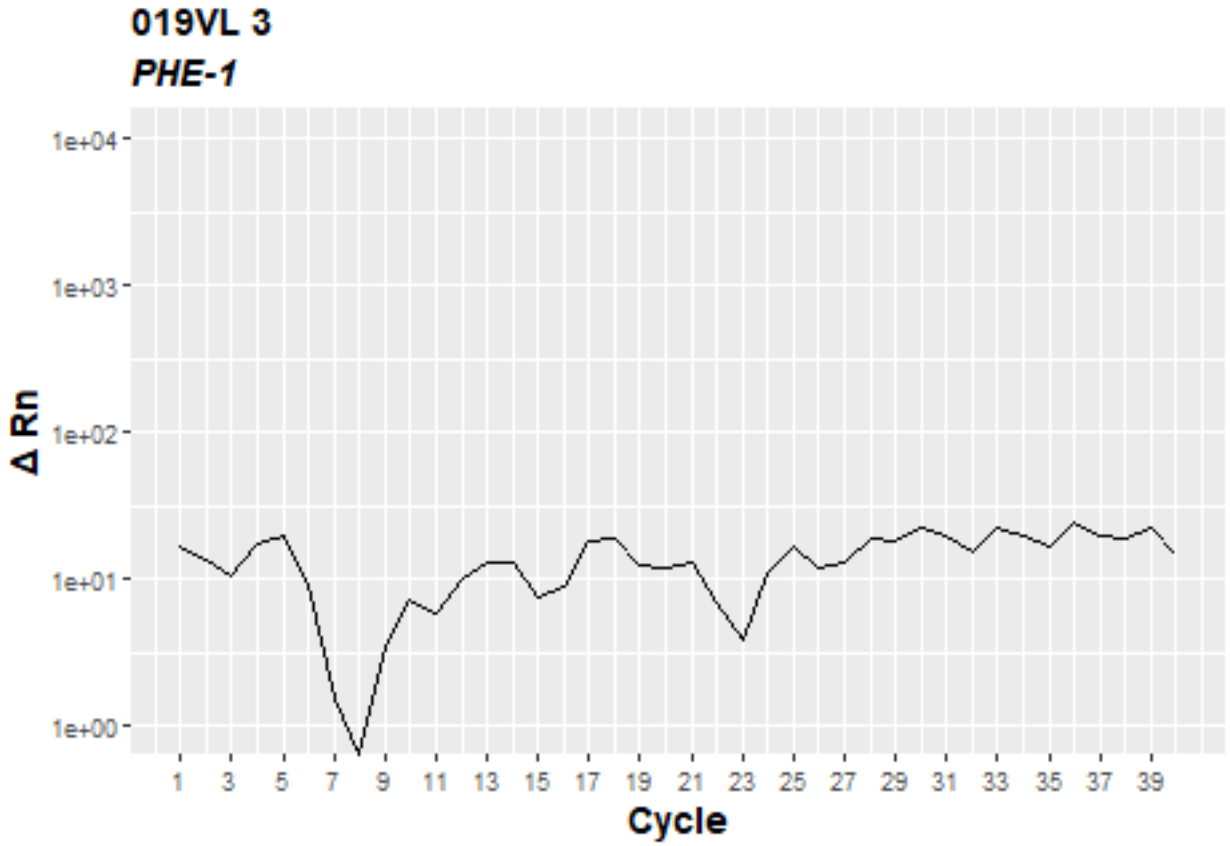

019VL 3
EtnE-1
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

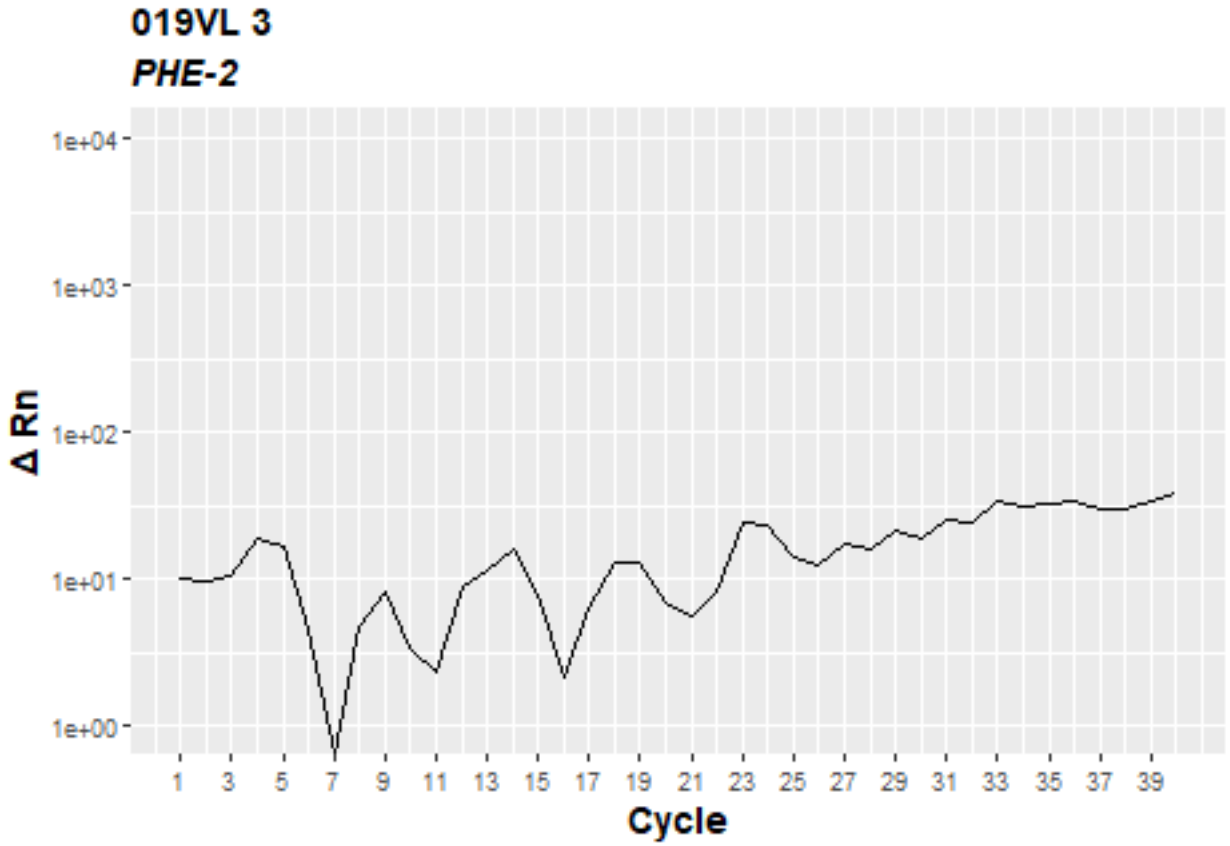

019VL 3
EtnE-2
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

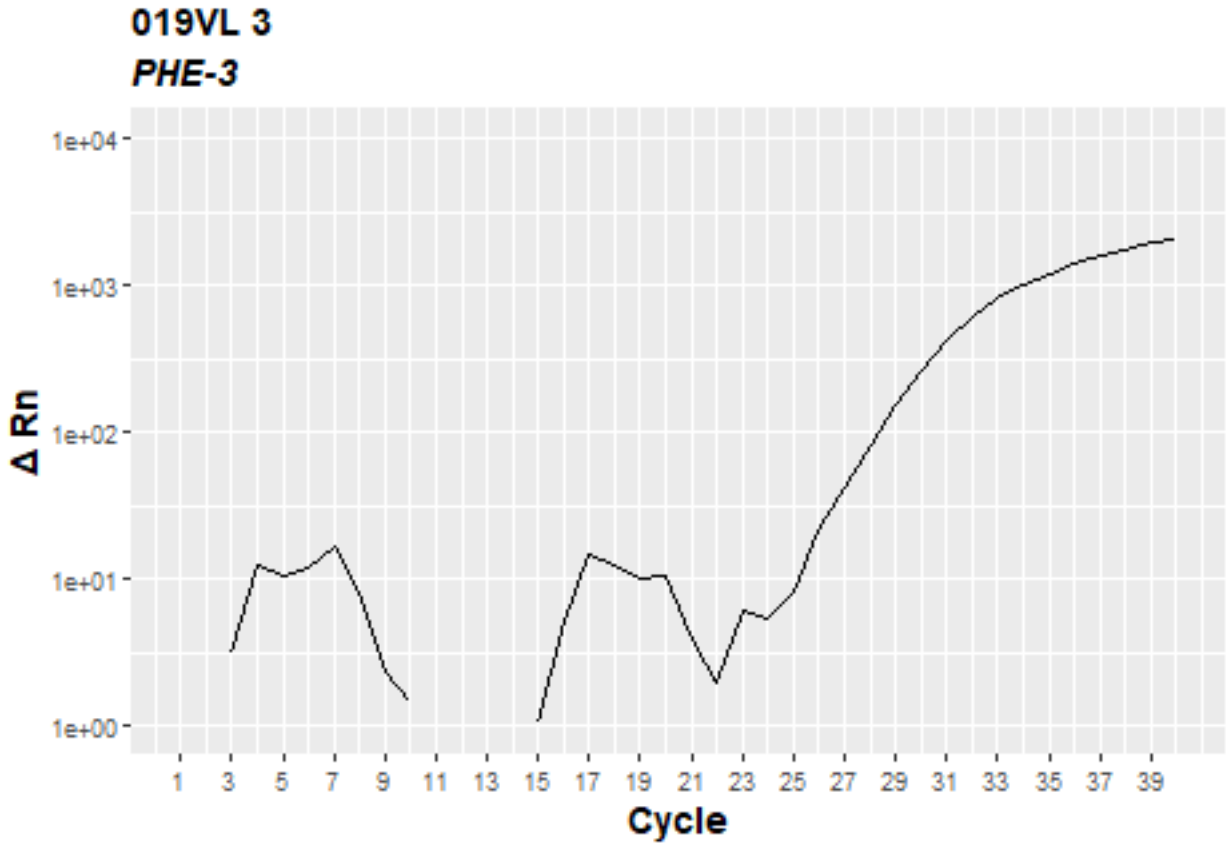

019VL 3
EtnE-3
ΔRn
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1e+03
1e+02
1e+01
1e+00
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Cycle

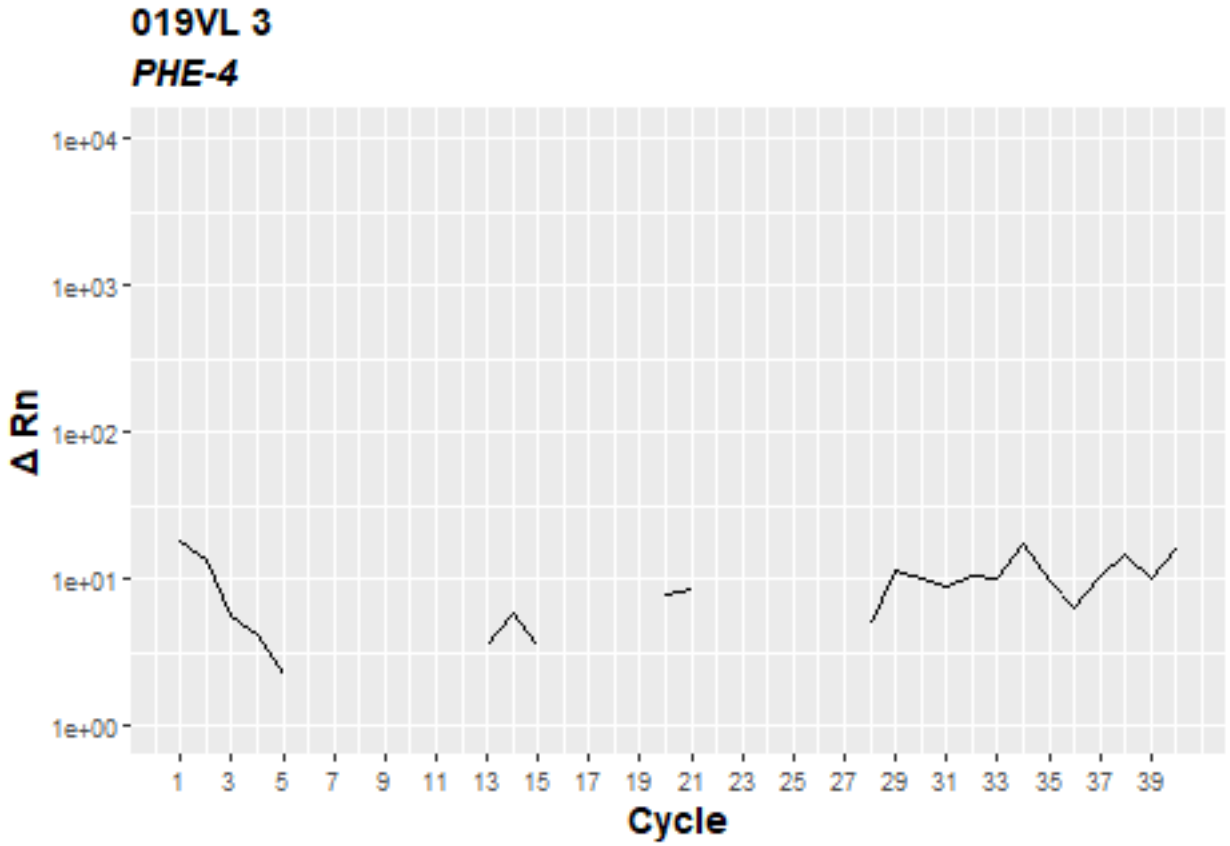

019VL 3
PCE-1
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

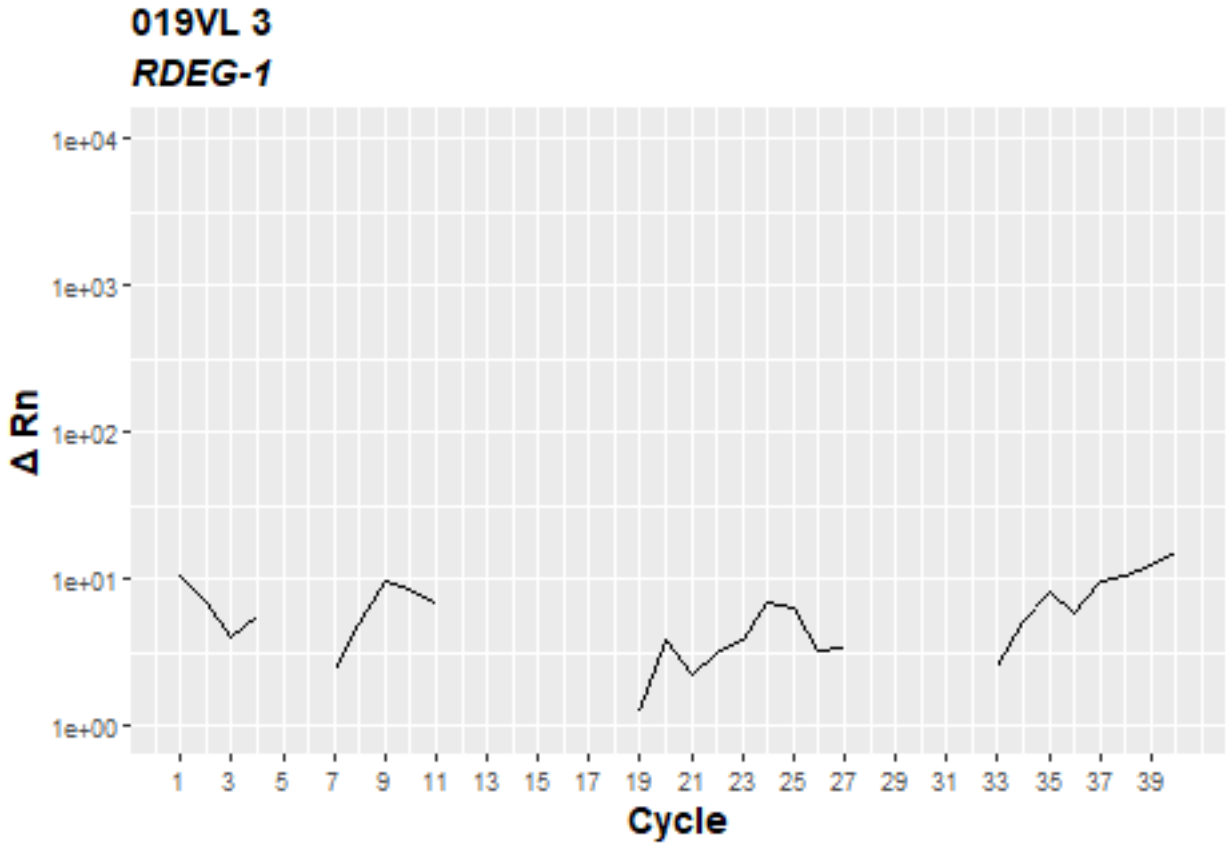

019VL 3
PCE-2
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

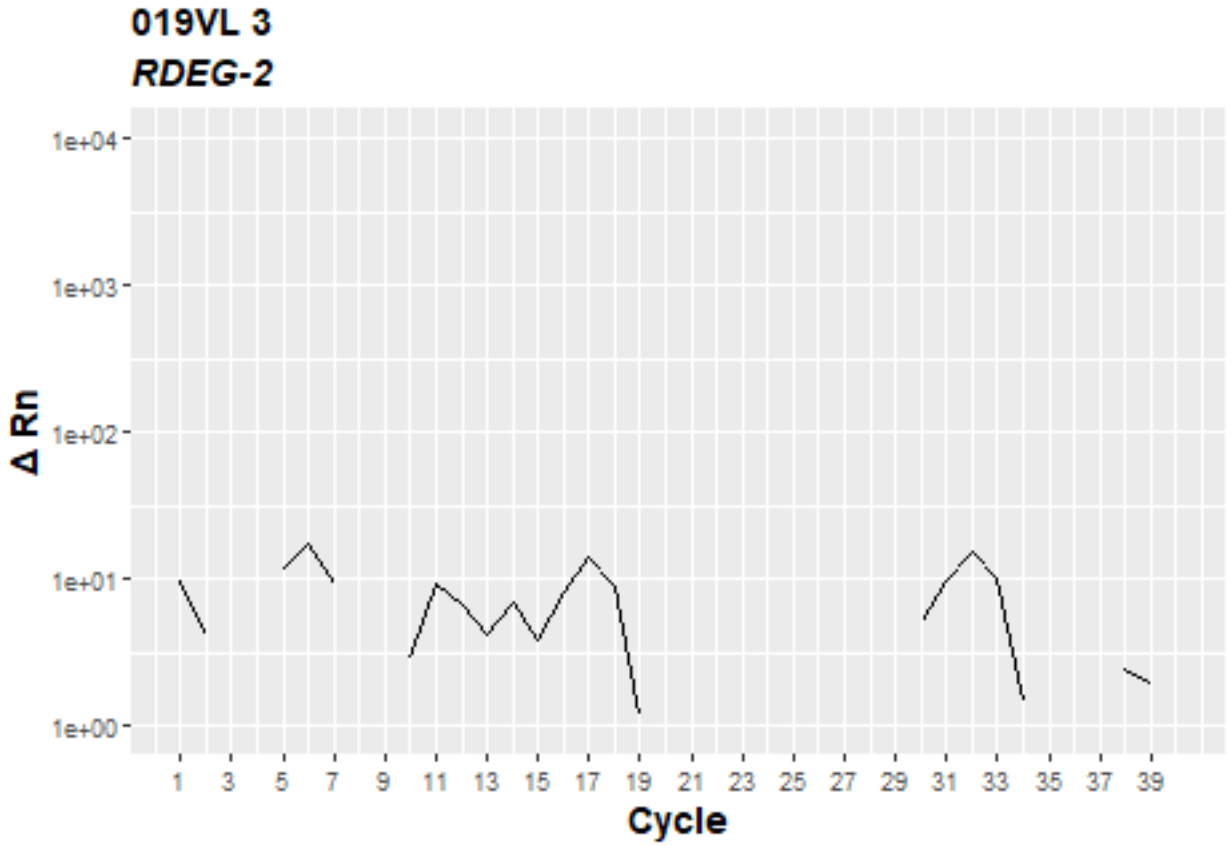

019VL 3
PHE-1
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

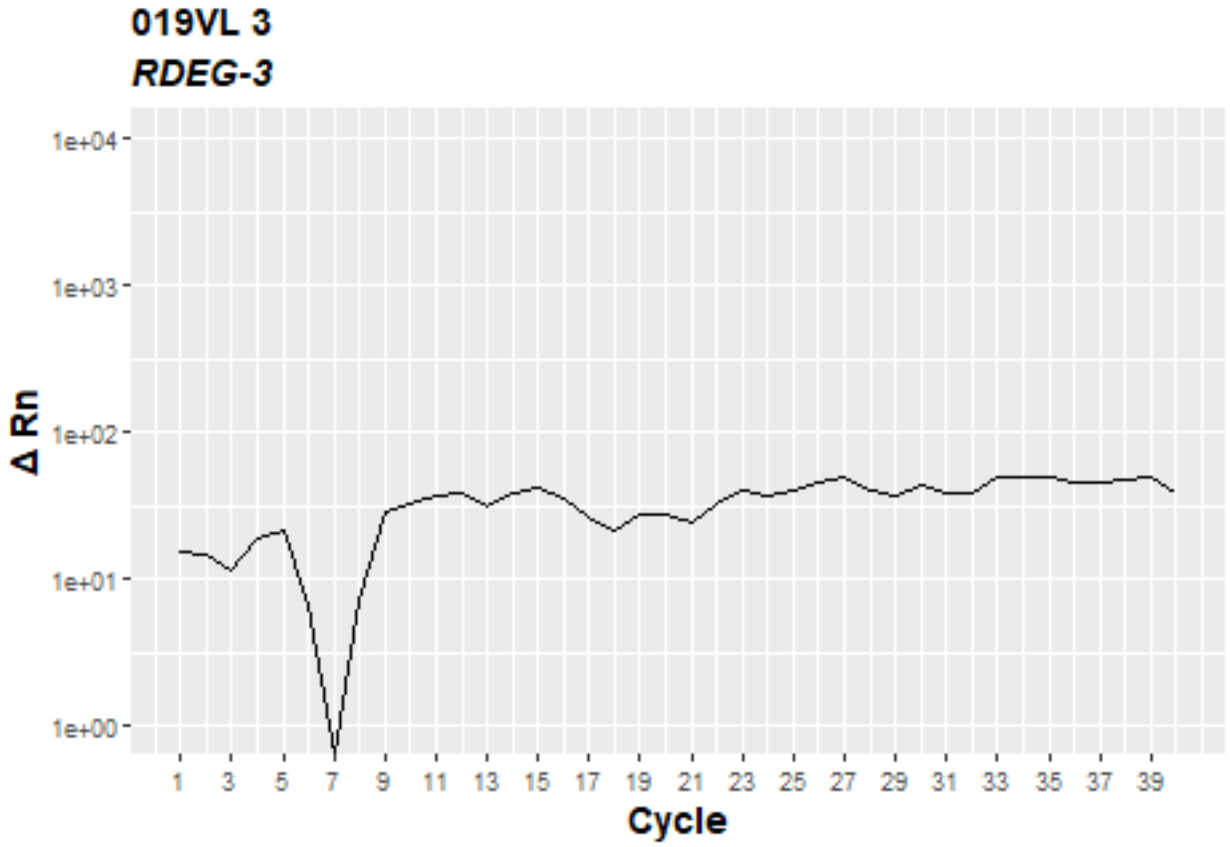

019VL 3
PHE-2
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

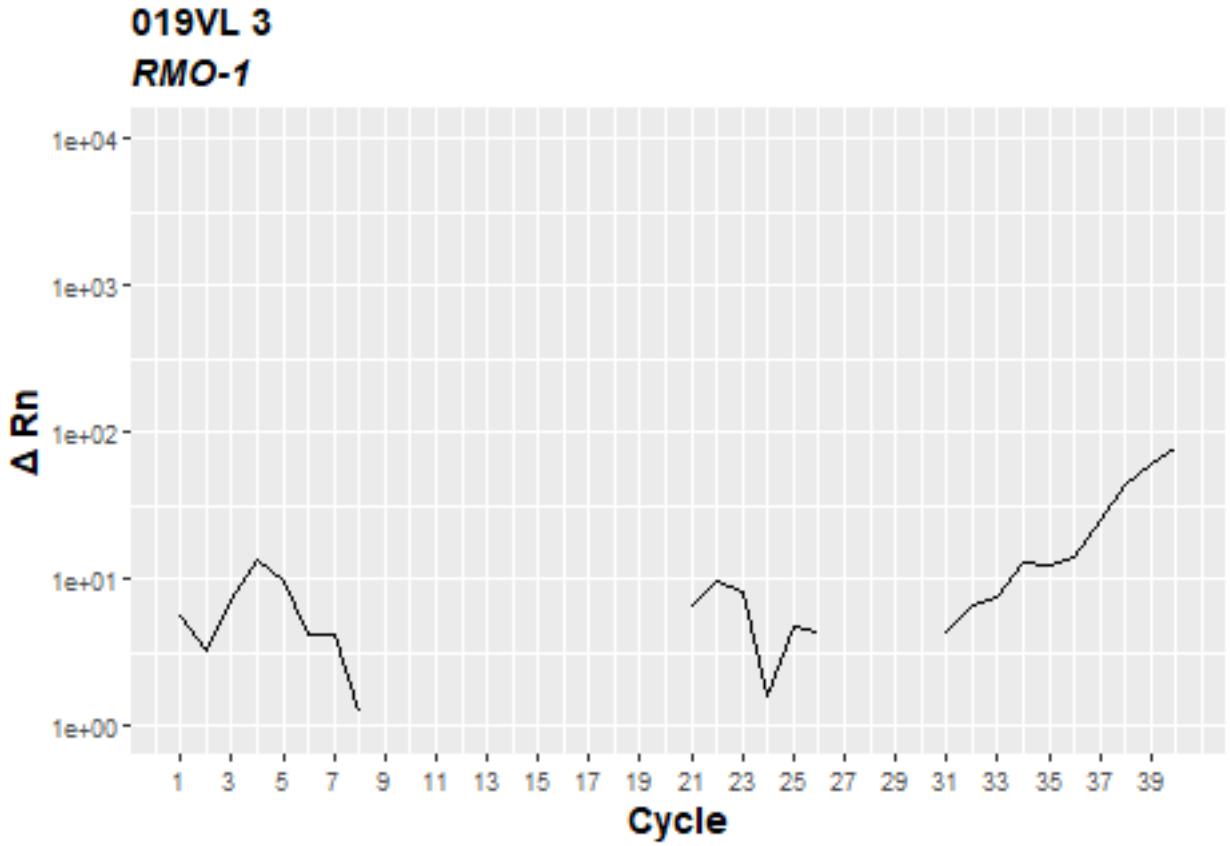

019VL 3
PHE-3
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

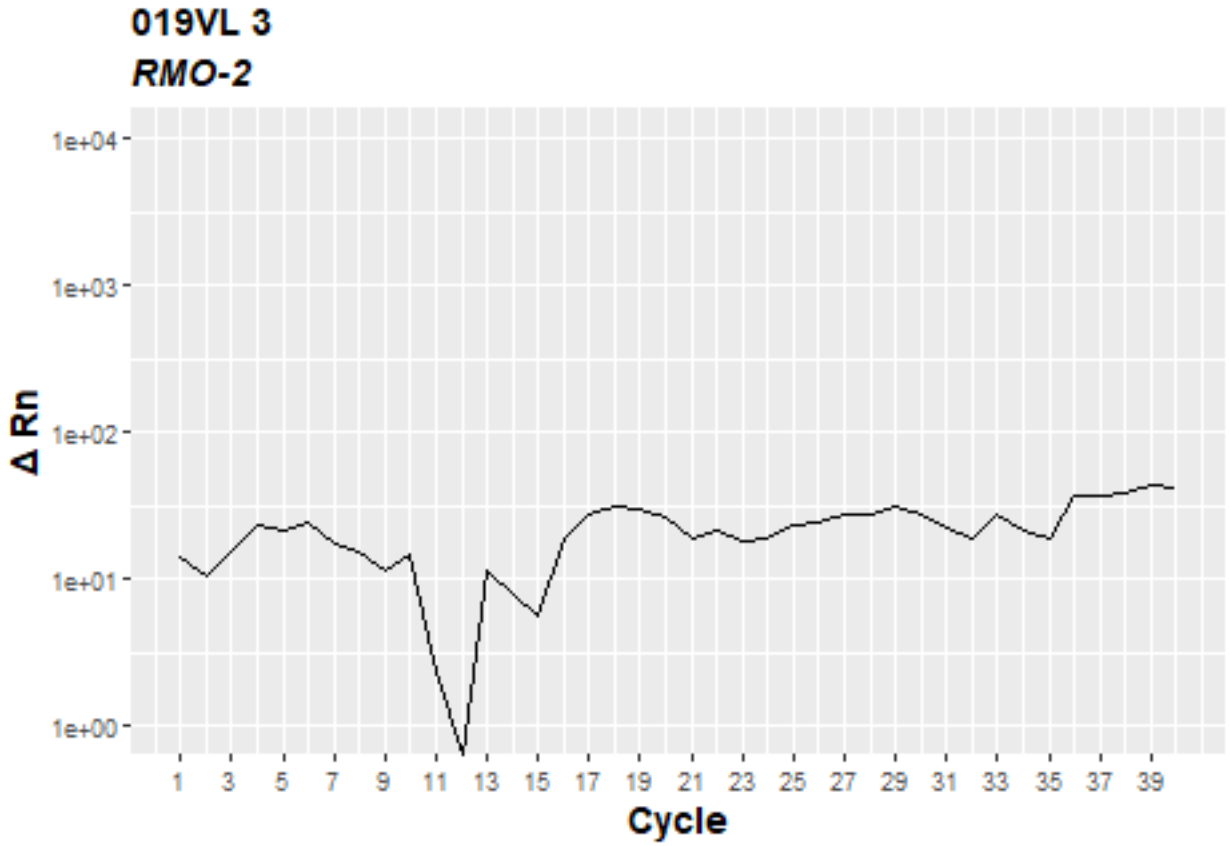

019VL 3
PHE-4
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

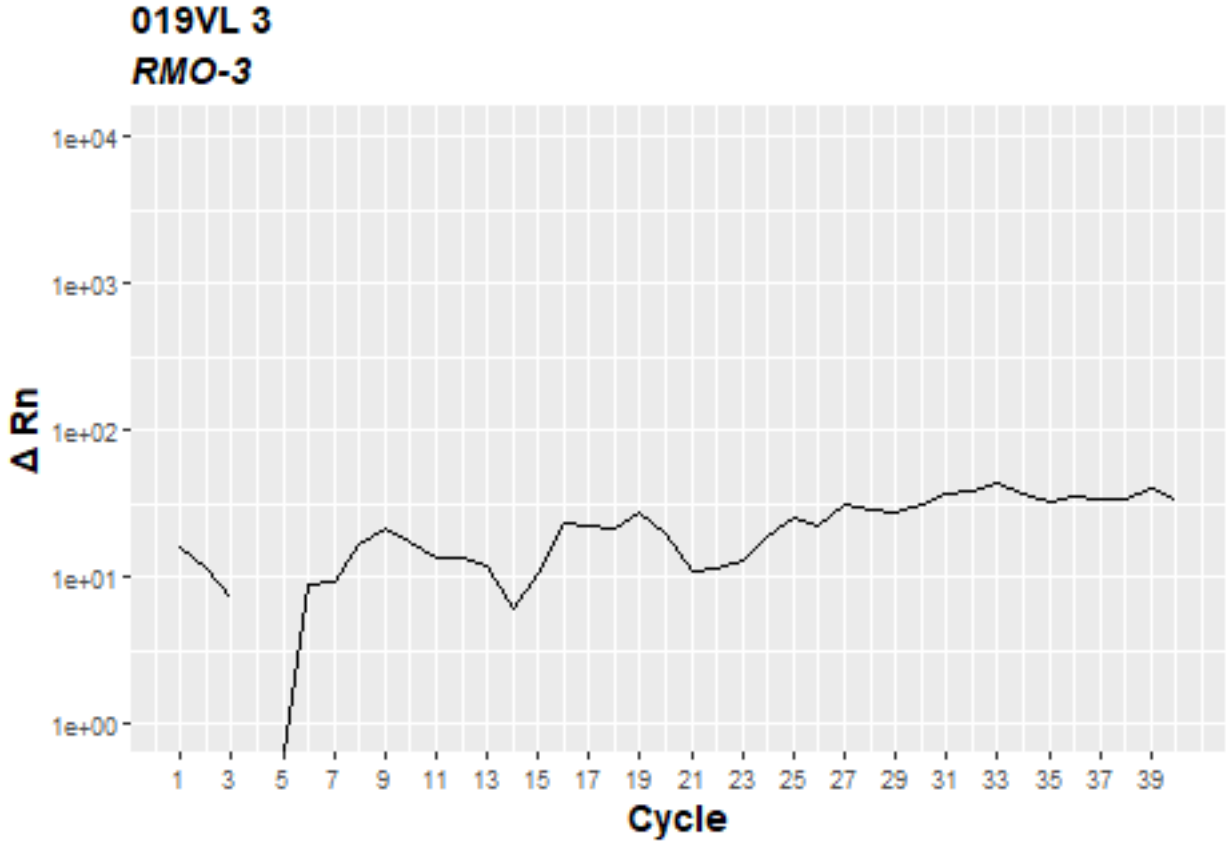

019VL 3
RDEG-1
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

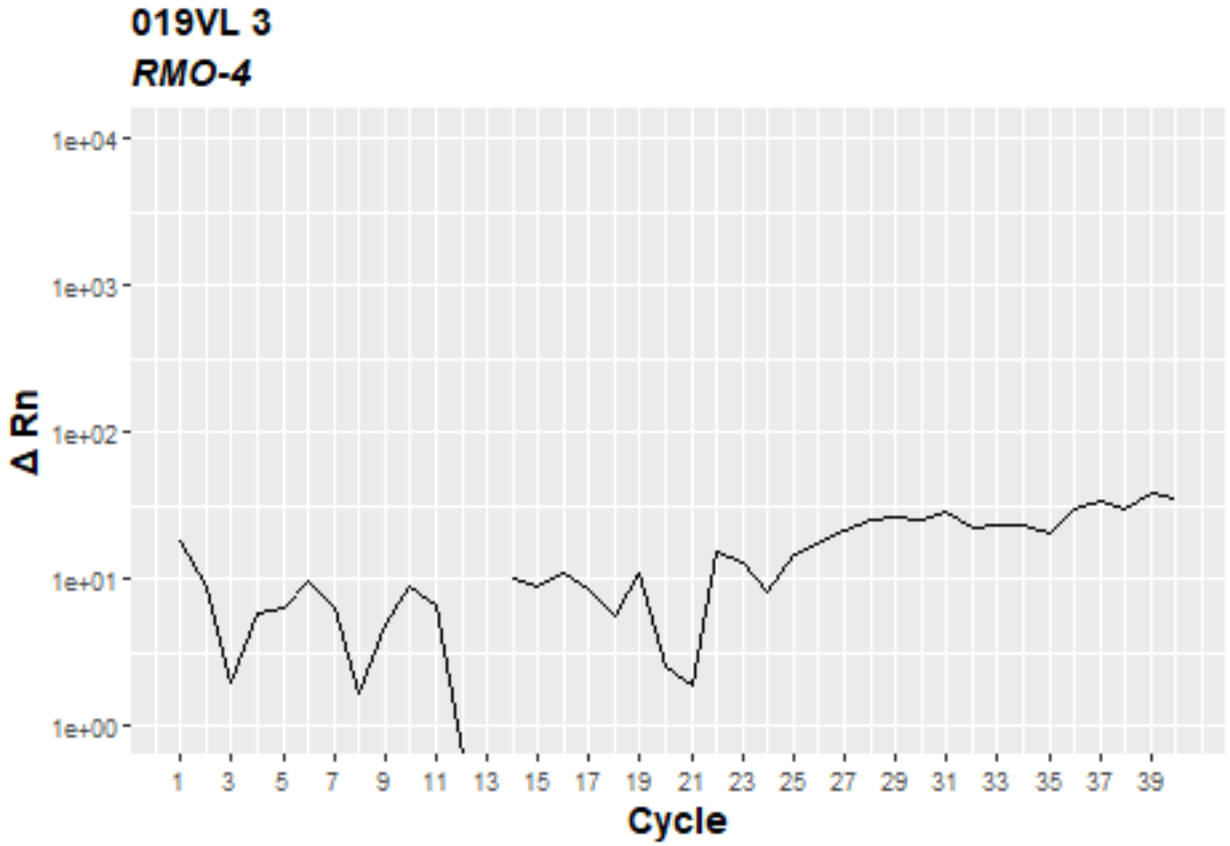

019VL 3
RDEG-2
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

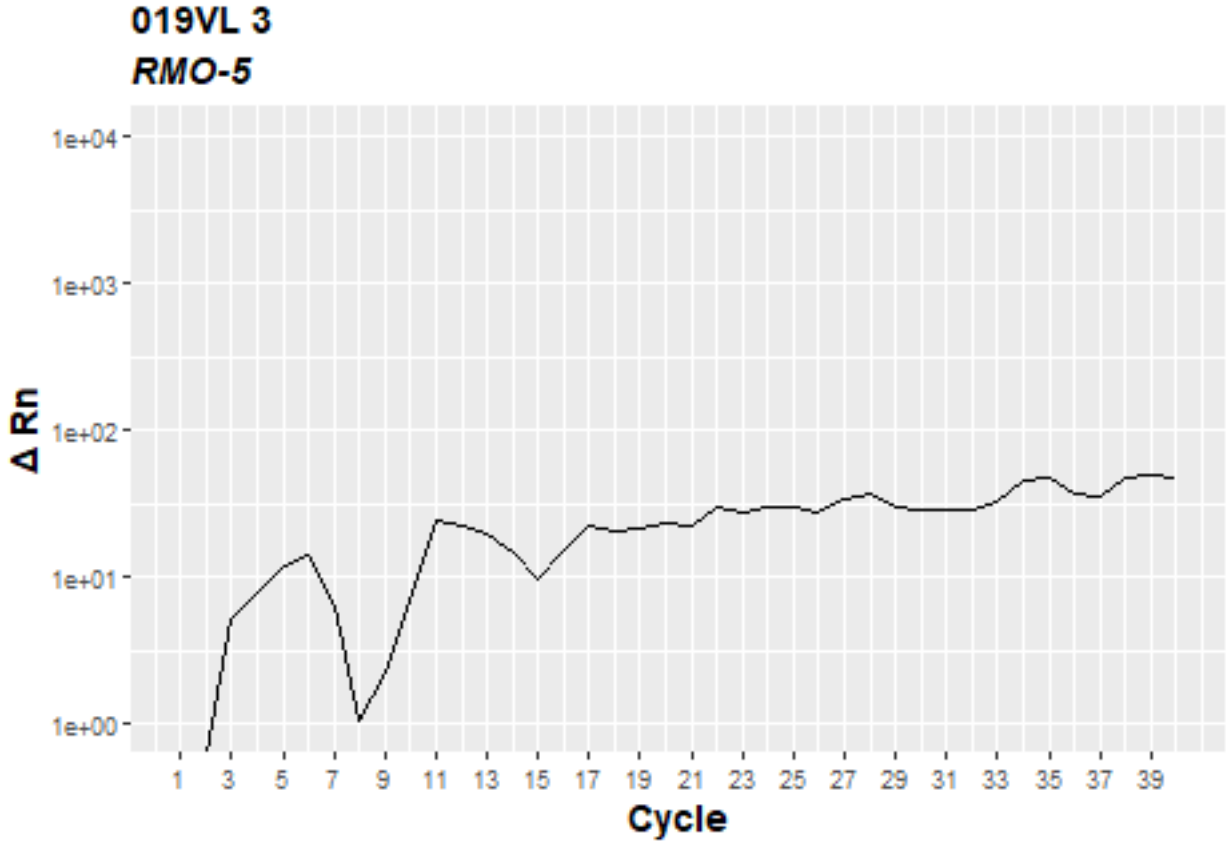

019VL 3
RDEG-3
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

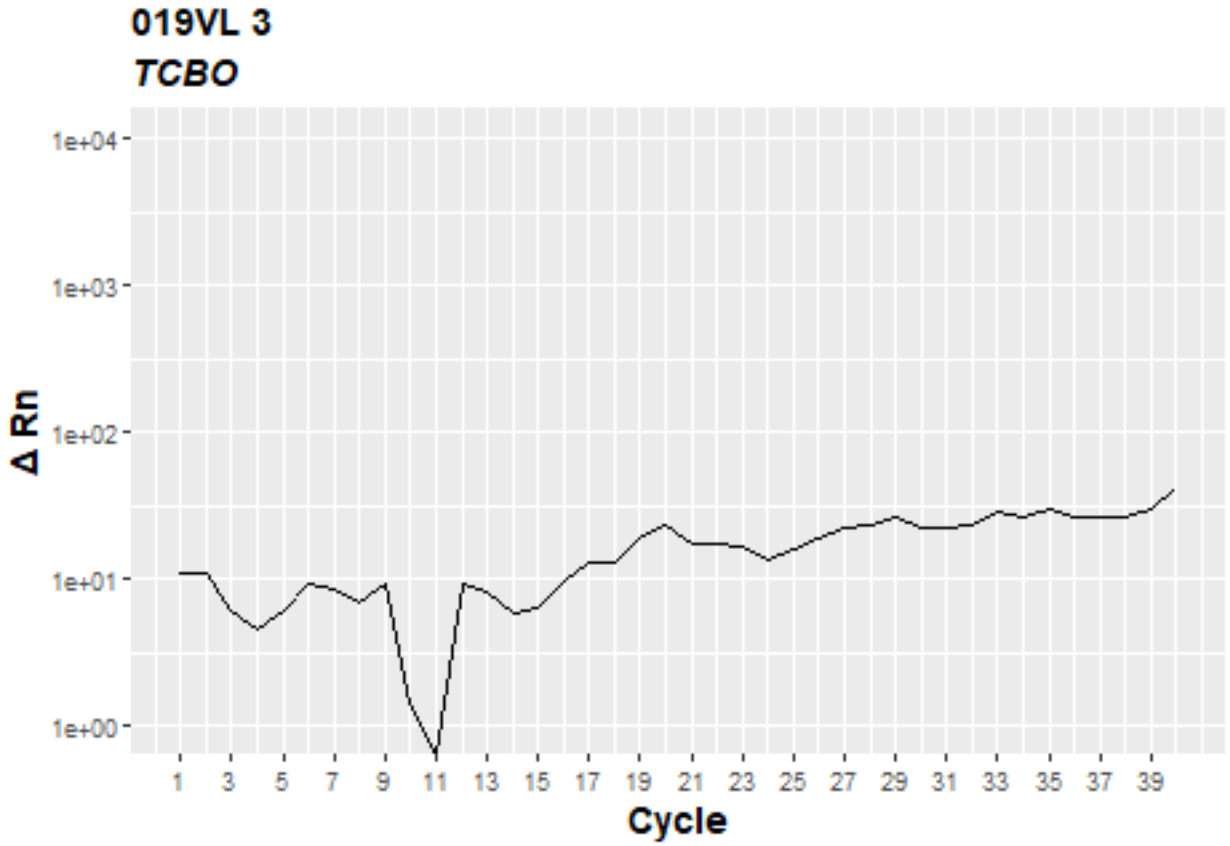

019VL 3
RMO-1
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

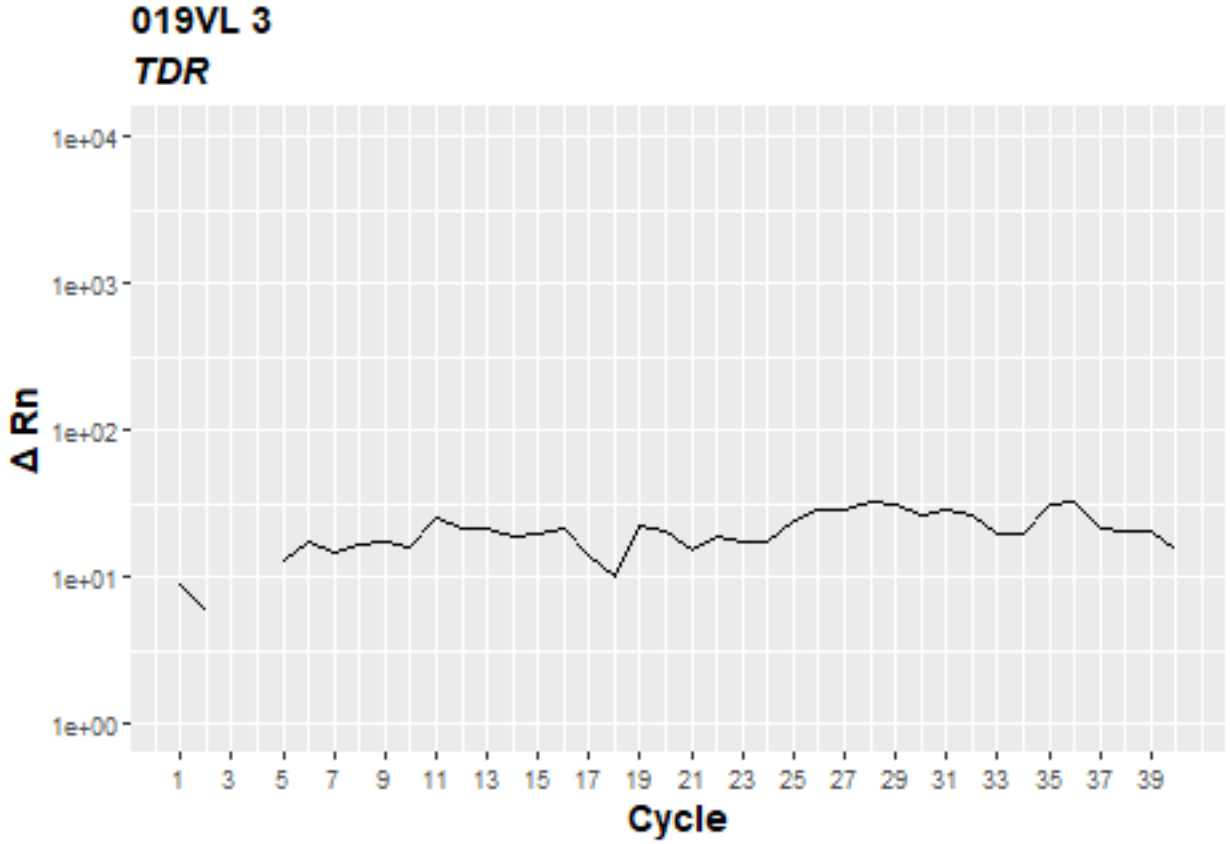

019VL 3
RMO-2
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle


019VL 3
RMO-3
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle


019VL 3
RMO-4
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle


019VL 3
RMO-5
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle


019VL 3
TCBO
1e+04
1e+03
1e+02
1e+01
1e+00
Δ Rn
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle


019VL 3
TDR
ΔRn
1e+04
1e+03
1e+02
1e+01
1e+00
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
Cycle

10515 Research Drive
Knoxville, TN 37932
Phone: 865.573.8188
Fax: 865.573.8133
Web: www.microbe.com

CCV Laboratory Control Recovery

Lab Name:	**Microbial Insights**
CCV ID:	019VL-pos
FILE ID:	019VL.eds

Analysis	Batch Number	Original CT	CCV CT	CCV % Recovery	QC-limits
DHG-1	019VL-1	17.592	16.282	107	80-120%
DHG-2	019VL-2	23.130	20.551	111	80-120%
EBAC	019VL-3	18.030	17.827	101	80-120%
DHC	019VL-4	13.846	14.082	98	80-120%
BVC	019VL-5	15.390	15.061	102	80-120%
TCE	019VL-6	14.230	15.139	94	80-120%
VCR	019VL-7	15.603	18.659	80	80-120%
MGN	019VL-8	21.555	21.547	100	80-120%
SMMO-1	019VL-9	17.528	17.739	84	80-120%
SMMO-2	019VL-10	21.463	19.959	107	80-120%
TOD	019VL-11	16.310	14.357	112	80-120%
RDEG-1	019VL-12	16.476	19.426	82	80-120%

10515 Research Drive
Knoxville, TN 37932
Phone: 865.573.8188
Fax: 865.573.8133
Web: www.microbe.com

Level IV

Lab Name:	Microbial Insights	Sample ID:	MW-11A-BT-01-20241204
Lab Code:	MI	Lab Sample ID:	019VL 1
Matrix:	Std. Bio-Trap	Sample File ID:	019VL.sds
Sample Volume:	20	Date Received:	2024-12-05
		Date Analyzed	2024-12-17

Sample No	Analysis	Test Component	Concentration (cells/bead)	Q
MW-11A-BT-01-20241204	Sulfate Reducing Bacteria	APS	3.30E+05	=
MW-11A-BT-01-20241204	BAV1 Vinyl Chloride Reductase	BVC	2.10E+01	=
MW-11A-BT-01-20241204	cerA Reductase	CER	3.00E+02	=
MW-11A-BT-01-20241204	Chloroform reductase	CFR	1.30E+01	<
MW-11A-BT-01-20241204	1,1 DCA reductase	DCA	1.30E+01	<
MW-11A-BT-01-20241204	1, 2 DCA Reductase	DCAR	1.30E+01	<
MW-11A-BT-01-20241204	Dehalobacter DCM	DCM	1.30E+01	<
MW-11A-BT-01-20241204	DCM Reductase	DCMA	1.30E+01	<
MW-11A-BT-01-20241204	Dehalobium spp.	DECO	1.40E+04	=
MW-11A-BT-01-20241204	Dehalobacter spp.	DHBT	8.60E+04	=
MW-11A-BT-01-20241204	Dehalococcoides	DHC	3.20E+02	=
MW-11A-BT-01-20241204	Dehalogenimonas spp.	DHG	4.00E+03	=
MW-11A-BT-01-20241204	Desulfitobacterium spp.	DSB	7.80E+04	=
MW-11A-BT-01-20241204	Desulfuromonas spp.	DSM	1.50E+04	=
MW-11A-BT-01-20241204	Ethene Monooxygenase	ETNC	4.10E+03	=
MW-11A-BT-01-20241204	Epoxyalkane transferase	ETNE	1.90E+04	=
MW-11A-BT-01-20241204	Methanogens	MGN	1.30E+01	<
MW-11A-BT-01-20241204	Phenol Hydroxylase	PHE	4.20E+03	=
MW-11A-BT-01-20241204	Toluene Monooxygenase 2	RDEG	1.80E+02	=
MW-11A-BT-01-20241204	Toluene Monooxygenase	RMO	3.50E+03	=
MW-11A-BT-01-20241204	Soluble Methane Monooxygenase	SMMO	1.30E+01	<
MW-11A-BT-01-20241204	Tetra-Trichlorobenzene Dioxygenase	TCBO	1.30E+01	<
MW-11A-BT-01-20241204	tceA Reductase	TCE	1.30E+01	<
MW-11A-BT-01-20241204	trans-1,2-DCE Reductase	TDR	1.30E+01	<
MW-11A-BT-01-20241204	Toluene Dioxygenase	TOD	1.30E+01	<
MW-11A-BT-01-20241204	Vinyl Chloride Reductase	VCR	4.20E+01	=

10515 Research Drive
Knoxville, TN 37932
Phone: 865.573.8188
Fax: 865.573.8133
Web: www.microbe.com

Level IV

Lab Name:	Microbial Insights	Sample ID:	MW-53-BT-02-20241204
Lab Code:	MI	Lab Sample ID:	019VL 2
Matrix:	Std. Bio-Trap	Sample File ID:	019VL.sds
Sample Volume:	20	Date Received:	2024-12-05
		Date Analyzed	2024-12-17

Sample No	Analysis	Test Component	Concentration (cells/bead)	Q
MW-53-BT-02-20241204	Sulfate Reducing Bacteria	APS	1.40E+04	=
MW-53-BT-02-20241204	BAV1 Vinyl Chloride Reductase	BVC	1.30E+01	<
MW-53-BT-02-20241204	cerA Reductase	CER	1.30E+01	<
MW-53-BT-02-20241204	Chloroform reductase	CFR	1.30E+01	<
MW-53-BT-02-20241204	1,1 DCA reductase	DCA	1.30E+01	<
MW-53-BT-02-20241204	1, 2 DCA Reductase	DCAR	1.30E+01	<
MW-53-BT-02-20241204	Dehalobacter DCM	DCM	1.30E+01	<
MW-53-BT-02-20241204	DCM Reductase	DCMA	1.30E+01	<
MW-53-BT-02-20241204	Dehalobium spp.	DECO	1.30E+01	<
MW-53-BT-02-20241204	Dehalobacter spp.	DHBT	1.30E+01	<
MW-53-BT-02-20241204	Dehalococcoides	DHC	1.40E+01	=
MW-53-BT-02-20241204	Dehalogenimonas spp.	DHG	1.30E+01	<
MW-53-BT-02-20241204	Desulfitobacterium spp.	DSB	1.30E+01	<
MW-53-BT-02-20241204	Desulfuromonas spp.	DSM	3.60E+01	=
MW-53-BT-02-20241204	Ethene Monooxygenase	ETNC	1.30E+01	<
MW-53-BT-02-20241204	Epoxyalkane transferase	ETNE	3.60E+03	=
MW-53-BT-02-20241204	Methanogens	MGN	1.30E+01	<
MW-53-BT-02-20241204	Phenol Hydroxylase	PHE	1.70E+04	=
MW-53-BT-02-20241204	Toluene Monooxygenase 2	RDEG	3.10E+04	=
MW-53-BT-02-20241204	Toluene Monooxygenase	RMO	2.20E+04	=
MW-53-BT-02-20241204	Soluble Methane Monooxygenase	SMMO	1.30E+01	<
MW-53-BT-02-20241204	Tetra-Trichlorobenzene Dioxygenase	TCBO	1.30E+01	<
MW-53-BT-02-20241204	tceA Reductase	TCE	1.30E+01	<
MW-53-BT-02-20241204	trans-1,2-DCE Reductase	TDR	1.30E+01	<
MW-53-BT-02-20241204	Toluene Dioxygenase	TOD	1.30E+01	<
MW-53-BT-02-20241204	Vinyl Chloride Reductase	VCR	1.30E+01	<

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Level IV

Lab Name:	Microbial Insights	Sample ID:	MW-26A-BT-03-20241204
Lab Code:	MI	Lab Sample ID:	019VL 3
Matrix:	Std. Bio-Trap	Sample File ID:	019VL.sds
Sample Volume:	20	Date Received:	2024-12-05
		Date Analyzed	2024-12-17

Sample No	Analysis	Test Component	Concentration (cells/bead)	Q
MW-26A-BT-03-20241204	Sulfate Reducing Bacteria	APS	2.60E+05	=
MW-26A-BT-03-20241204	BAV1 Vinyl Chloride Reductase	BVC	1.40E+01	=
MW-26A-BT-03-20241204	cerA Reductase	CER	6.20E+02	=
MW-26A-BT-03-20241204	Chloroform reductase	CFR	1.30E+01	<
MW-26A-BT-03-20241204	1,1 DCA reductase	DCA	1.30E+01	<
MW-26A-BT-03-20241204	1, 2 DCA Reductase	DCAR	1.30E+01	<
MW-26A-BT-03-20241204	Dehalobacter DCM	DCM	1.30E+01	<
MW-26A-BT-03-20241204	DCM Reductase	DCMA	1.30E+01	<
MW-26A-BT-03-20241204	Dehalobium spp.	DECO	1.70E+02	=
MW-26A-BT-03-20241204	Dehalobacter spp.	DHBT	2.30E+05	=
MW-26A-BT-03-20241204	Dehalococcoides	DHC	5.50E+02	=
MW-26A-BT-03-20241204	Dehalogenimonas spp.	DHG	4.50E+04	=
MW-26A-BT-03-20241204	Desulfitobacterium spp.	DSB	2.30E+05	=
MW-26A-BT-03-20241204	Desulfuromonas spp.	DSM	1.30E+01	<
MW-26A-BT-03-20241204	Ethene Monooxygenase	ETNC	1.30E+01	<
MW-26A-BT-03-20241204	Epoxyalkane transferase	ETNE	1.30E+01	<
MW-26A-BT-03-20241204	Methanogens	MGN	1.80E+01	=
MW-26A-BT-03-20241204	Phenol Hydroxylase	PHE	1.60E+03	=
MW-26A-BT-03-20241204	Toluene Monooxygenase 2	RDEG	1.30E+01	<
MW-26A-BT-03-20241204	Toluene Monooxygenase	RMO	1.30E+01	<
MW-26A-BT-03-20241204	Soluble Methane Monooxygenase	SMMO	1.30E+01	<
MW-26A-BT-03-20241204	Tetra-Trichlorobenzene Dioxygenase	TCBO	1.30E+01	<
MW-26A-BT-03-20241204	tceA Reductase	TCE	1.90E+01	=
MW-26A-BT-03-20241204	trans-1,2-DCE Reductase	TDR	1.30E+01	<
MW-26A-BT-03-20241204	Toluene Dioxygenase	TOD	1.30E+01	<
MW-26A-BT-03-20241204	Vinyl Chloride Reductase	VCR	5.30E+02	=

Microbial Insights, Inc.
10515 Research Drive, Knoxville TN 37932
tel. (865) 573-8188 Fax. (865) 573-8133

Project/Client Information Sheet

MI ID set: 019VL	Date Received: 12/05/2024
Client informed of sample arrival:	Yes
COC contained all necessary info:	Yes
Verify analyses requested:	Yes
Special Information:	

PROJECT NAME:	Cheektowaga Leica
PROJECT #:	0709858
Purchase Order #:	
Subcontract #:	
Project Notes:	

Send Report To:

Company:	ERM - Syracuse, NY
Address:	5784 Widewaters Parkway Syracuse, NY 13214
Contact:	Tim Daniluk
Email:	tim.daniluk@erm.com
Phone:	315-233-3043 Ext: Fax:

Send Report To:

Company:	ERM - Syracuse, NY
Address:	5784 Widewaters Parkway Syracuse, NY 13214
Contact:	Kevin Warner
Email:	kevin.warner@erm.com
Phone:	Ext: Fax:

Bill To:

Company:	ERM - Syracuse, NY
Address:	5784 Widewaters Parkway Syracuse, NY 13214
Contact:	Kevin Warner
Email:	kevin.warner@erm.com
Phone:	Ext: Fax:

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10515 Research Drive, Knoxville TN 37932
tel. (865) 573-8188 Fax. (865) 573-8133

Project/Client Information Sheet

MI ID set: 019VL	Date Received: 12/05/2024
Client informed of sample arrival:	Yes
COC contained all necessary info:	Yes
Verify analyses requested:	Yes
Special Information:	

PROJECT NAME:	Cheektowaga Leica
PROJECT #:	0709858
Purchase Order #:	
Subcontract #:	
Project Notes:	

Bill To:

Company:	ERM - Syracuse, NY
Address:	5784 Widewaters Parkway Syracuse, NY 13214
Contact:	Tim Daniluk
Email:	tim.daniluk@erm.com
Phone:	315-233-3043 Ext: Fax:

DNA Sample Check-In

MI Identifier: 019vL **DNA / RNA** **NGS** ☐

Date Extraction Started:	12/5/24	**Date Extraction Completed:**	12/5/24	**Sample #**	1-3

Additional Samples

Date Extraction Started:	Date Extraction Completed:	Sample #
Date Extraction Started:	Date Extraction Completed:	Sample #
Date Extraction Started:	Date Extraction Completed:	Sample #
Date Extraction Started:	Date Extraction Completed:	Sample #
Date Extraction Started:	Date Extraction Completed:	Sample #
Date Extraction Started:	Date Extraction Completed:	Sample #

Was extraction blank prepared? Yes No **Extraction Kit #** 1073 **LN:** 178025823

Matrix:	Water	Filters	Soil	Bio-Traps
Quantity:				3
	Culture	Coupons	Swabs	Other

Comments: ~~1072~~ 11/15

Name: Corissa Martin	**Signature:** Corissa Martin	**Date:** 12/5/24
Name:	**Signature:**	**Date:**
Name:	**Signature:**	**Date:**
Name:	**Signature:**	**Date:**
Name:	**Signature:**	**Date:**
Name:	**Signature:**	**Date:**
Name:	**Signature:**	**Date:**

These samples have been processed as requested by the client and are in accordance with all quality assurance measures required by Microbial Insights, Inc.

Date	MI ID	Volume		Nano Drop (ng/µL)	Comments
12/5/24	019VC 1	20	mL g bd swb	0.0	
	2	20	mL g bd swb	0.0	
	3	20	mL g bd swb	0.0	
			mL g bd swb		
			mL g bd swb		
			mL g bd swb

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Sample Check-in Sheet

MI ID: 019VL

Date Received: 12/5/24 Time: 0945 Temperature: 0°C

Preservative ☐ Yes - _____ ☒ No Odors ☐ Yes - _____

COC enclosed ☒ Yes ☐ No ☒ No

Label ID Match ☒ Yes ☐ No If "no" _____

Damaged or Missing Samples ☐ Yes ☒ No If "yes" _____

Containers:

Total number of containers 3

Type of matrix and containers:

☐ Water: 1L Poly / Amber _____ Bio-Flo filter _____ VOA vials _____

☐ Soil: 4oz/8oz Poly / Glass _____ Whirlpak bags _____

☒ Bio-Traps: Standard 3 Baited _____ Deployed 10/10/24 Retrieved 12/4/24

☐ Inserts: 13C - _____ Lot# _____ 13C - _____ Lot# _____

☐ Other: _____

Analyses Requested:

DNA X RNA _____ NGS _____ Culture _____ PLFA _____ SIP _____ 8260 _____ MEE _____

VFA _____ Anions _____ Magnetic Susceptibility _____ Acidity _____ Oil Retention _____

CSIA _____ Other: _____

Notes:

Checked in by MK



ORIGIN ID:BUFA (000) 000-0000

ERM NORTHEAST INC
FLR 1
5784 WIDEWATERS PKWY STE 1
SYRACUSE, NY 13214
UNITED STATES US

SHIP DATE: 04DEC24
ACTWGT: 9.25 LB
CAD: 6997265/SSF02560
DIMS: 13x10x9 IN

BILL THIRD PARTY

TO SAMPLE CUSTODIAN
MICROBIAL INSIGHTS, INC
10515 RESEARCH DRIVE

KNOXVILLE TN 37932
(865) 573-8188
INV:
PO:
REF:
DEPT:

FedEx Express

REL# 3785346

TRK# 0201 2827 5045 1034

THU - 05 DEC 12:00P
PRIORITY OVERNIGHT

NX RKWA

AHS
37932
TN-US TYS

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Real Time PCR Run Log

Instrument #: ABI 7500 Month/ Year: December 2024

Date	Experiment Name	Started by:	Press Analyze button after changes	Analyzed by:	Saved to Server by:	Exported by:	Copied to all CRF by:
12/5/24	103UC 94 95VK 3 9VL Smmo	RC 12/5/24	RC 12/5/24	RC 12/5/24	RC 12/5/24	RC 12/5/24	RC 12/5/24
12/6/24	103UC 94VK 3 8 9 19VL mgn	RC 12/6/24	RS 12/9/24	RS 12/9/24	RS 12/9/24	RS 12/9/24	RS 12/9/24
12/10/24	Audit	AP 12/10/24					AP 12/10/24
12/10/24	96VK 9 16 19 20 23VL tod	RS 12/10/24	RS 12/10/24	RS 12/10/24	RS 12/10/24	RS 12/10/24	RS 12/10/24
12/11/24	96VK 16 20VL nah	RS 12/11/24	RS 12/11/24	RS 12/11/24	RS 12/11/24	RS 12/11/24	RS 12/11/24
12/12/24	9 19 23 34 35 37VL Smmo	RC 12/12/24	DMC 12/10/24	DMC 12/12/24	DMC 12/12/24	DMC 12/12/24	DMC 12/12/24
12/12/24	37VK 23 35 40 47 48VL mgn	CM DMC 12/12/24	CM DMC 12/12/24	CM DMC 12/12/24	CM DMC 12/12/24	CM DMC 12/12/24	CM DMC 12/12/24
12/12/24	19VJ 49VL nah	CM DMC 12/12/24	RC 12/13/24	RC 12/13/24	RC 12/13/24	RC 12/13/27	RC 12/13/24
12/13/24	19VJ 49 35 47 48VL tod	RC 12/13/24	RC 12/13/24	RC 12/13/24	RC 12/13/24	RC 12/13/24	RC 12/13/24
12/13/24	37VK 14 27 37 41 46 47 48 53VL Smmo	RC 12/13/24	RC 12/16/24	RC 12/16/24	RC 12/16/24	RC 12/16/24	RC 12/16/24

Comments:

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Real Time PCR Run Log

Instrument #: ABI QuantStudio 285880036 Month/ Year: November 2024

Date	Experiment Name	Started by:	Press Analyze button after changes	Analyzed by:	Saved to Server by:	Exported by:	Copied to all CRF by:
11/26/24	ARRAY2 - BSV12 - 11262024	RS 11/26/24	AR 11/27/24	RS 11/27/24	RS 11/27/24	AR 11/27/24	AR 11/27/24
12/2/24	ARRAY2 - BSV14 - 12022024	RS 12/2/24	SK 12/2/24	RS 12/2/24	RS 12/2/24	SK 12/2/24	SK 12/2/24
12/3/24	Background - 384 - 28588036 - 12032024	RS 12/3/24	RS 12/3/24	RS 12/3/24	RS 12/3/24	—	—
12/4/24	ARRAY1 - YXK46 - 12042024	RS 12/4/24	AR 12/5/24	RS 12/4/24	RS 12/4/24	AR 12/5/24	AR 12/5/24
12/4/24	ARRAY2 - BSV15 - 12042024	RS 12/4/24	AR 12/5/24	RS 12/4/24	12/4/24	AR 12/5/24	AR 12/5/24
12/4/24	Kapa SYBR 12-04-2024	RC 12/4/24	RC 12/5/24	RC 12/4/24	RC 12/5/24	RC 12/5/24	—
12/5/24	ARRAY2 - BSV16 - 12052024	RS 12/5/24	AR 12/6/24	RC 12/5/24	RC 12/5/24	AR 12/6/24	AR 12/6/24
12/6/24	FoB-E 2021 Redesign Positive Organisms and Positive Validation 12052024	RC 12/6/24	RS 12/6/24	RS 12/6/24	RS 12/6/24	RS 12/6/24	RS 12/6/24
12/6/24	ARRAY1 - YXK30 - 12062024	RS 12/6/24	AR 12/9/24	RS 12/9/24	RS 12/9/24	AR 12/9/24	AR 12/9/24
12/9/24	ARRAY2 - BSV17 - 12092024	RS 12/9/24	AR 12/10/24	RS 12/9/24	RS 12/9/24	AR 12/10/24	AR 12/10/24

Comments:
Instrument cleaned after ARRAY2 - BSV12 - 11262024

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Real Time PCR Run Log

Instrument #: ABI QuantStudio 28588107 Month/ Year: December 2024

Date	Experiment Name	Started by:	Press Analyze button after changes	Analyzed by:	Saved to Server by:	Exported by:	Copied to all CRF by:
12/2/24	RS 12/2/24 19VJ 111 120VK ~~104VJ~~ ebvdil 104VJ apsRD 96 118 120VK dhc 117 118VK fxn 111VK bspet spet 119VK rnub219	RC 12/2/24	RS 12/2/24	RS 12/2/24	RS 12/2/24	RS 12/2/24	RS 12/2/24
12/2/24	19VJ 112 114VK 1VL 405EVK ebvdil 98 110VK dhc	RC 12/2/24	RS 12/3/24	RS 12/3/24	RS 12/3/24	RS 12/3/24	RS 12/3/24
12/3/24	Background-384-28588107-12032024	RS 12/3/24	RS 12/3/24	RS 12/3/24	RS 12/3/24	–	–
12/3/24	9495101 112VK ebvdil 1VL rrub219 116VK aps bcR dnbt	RS 12/3/24	RC 12/3/24	RC 12/3/24	RC 12/3/24	RC 12/3/24	RC 12/3/24
12/4/24	94VK 3 4VL ebvdil 87 110VK fxn 95VK PPOSXAM	RS 12/4/24	RC 12/4/24	RS 12/4/24	RS 12/4/24	RS 12/4/24	RS 12/4/24
12/4/24	6 9 11 10 12 14 15VL eb 94VK 3VL dhc	RC 12/4/24	RS 12/4/24	RS 12/5/24	RS 12/5/24	RS 12/5/24	RS 12/5/24
12/5/24	10 15VL ebvdil 6 9 11VL dhc 94 110VK 3 69VL fxn	RC 12/5/24	RC 12/5/24	RC 12/5/24	RC 12/5/24	RC 12/5/24	RC 12/5/24
12/6/24	4 7 8 9 16 17 18 19 20VL eb 15VL dhc	RC 12/6/24	RC 12/6/24	RC 12/6/24	RC 12/6/24	RC 12/6/24	RC 12/6/24
12/6/24	58 96VK 6 7 16 17 20VL ebvdil 9 18 19 VL dhc on RNA ~~extraction~~ Cert 12624	RS 12/6/24	RC 12/6/24	RC 12/6/24	RC 12/6/24	RC 12/6/24	RC 12/6/24
12/9/24	6 17 22 23 25 24VL 58VK ebvdil 6 17 VL dhc	RS 12/9/24	RS 12/9/24	RS 12/9/24	RS 12/9/24	RS 12/9/24	RS 12/9/24

Comments:

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Real Time PCR Run Log

Instrument #: ABI QuantStudio 2858810I7 Month/ Year: December 2024

Date	Experiment Name	Started by:	Press Analyze button after changes	Analyzed by:	Saved to Server by:	Exported by:	Copied to all CRF by:
12/9/24	96VK 6 17 23 25VL ebwdil 58VK 22VL dhc	aC 12/9/24	RS 12/9/24	RS 12/9/24	RS 12/9/24	RS 12/9/24	RS 12/9/24
12/9/24	4 85 26VK aps 7VL SourceRacking	RS 12/9/24	RS 12/10/24	RS 12/10/24	RS 12/10/24	RS 12/10/24	RS 12/10/24
12/10/24	92VK 103VC eb 6 17 23VK dhc 6 9 18 19VK fxn 8VL feR8RD 96VK rdeg3RD	RS 12/10/24	RS 12/10/24	RS 12/10/24	RS 12/10/24	RS 12/10/24	RS 12/10/24
12/11/24	22 28 29 31 33 34 35 36 37 40VL eb 92VK 6VL dhcQR 23VC fxn 25 26VL phrpQR	RS 12/11/24	RS 12/11/24	RS 12/11/24	RS 12/11/24	RS 12/11/24	RS 12/11/24
12/11/24	22 29 34 36 39 47 49 50VL ebwdil 31 33 35 37VL dhc	RS 12/11/24	RS 12/12/24	RS 12/12/24	RS 12/12/24	RS 12/12/24	RS 12/12/24
12/12/24	37VK 14 22 31 34 37 39 41 42 43 44 45 46 48 49 50 51VL ebwdil	RS 12/12/24	RS 12/12/24	RS 12/12/24	RS 12/12/24	RS 12/12/24	RS 12/12/24
12/12/24	14 22 27 30 31 34 37 39 41 43 46 51VL ebwdil 29 31 35 42 44 47 49VL dhc 37VL fxn	RS 12/12/24	RS 12/13/24	RS 12/13/24	RS 12/13/24	RS 12/13/24	RS 12/13/24
12/13/24	19VJ phe BCr 50VL phe	RC 12/13/24	RC 12/13/24	RC 12/13/24	RC 12/13/24	RC 12/13/24	RC 12/13/24
12/13/24	22 34 37 38 42 51 52 53 54 55 56 57VL eb	RC 12/13/24	RC 12/13/24	RC 12/13/24	RC 12/13/24	RC 12/13/24	RC 12/13/24
12/13/24	22 28 34 57VL ebwdil 31 42 51 52 54 55 56VL dhc 29 31 33 42 44 54VL fxn	RC 12/13/24	RS 12/16/24	RS 12/16/24	RS 12/16/24	RS 12/16/24	RS 12/16/24

Comments:

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Real Time PCR Run Log

Instrument #: ABI QuantStudio 2858810 17 Month/ Year: December 2024

Date	Experiment Name	Started by:	Press Analyze button after changes	Analyzed by:	Saved to Server by:	Exported by:	Copied to all CRF by:
12/16/24	12 28 34 42 45 59 60 61 62 64 65 66 67VL ebac 54VL dhc	RC 12/16/24	RC 12/16/24	RC 12/16/24	RC 12/16/24	RC 12/16/24	RC 12/16/24
12/16/24	34 42 59 64 65 67VL ebvdil 33VL tce 45VL ppo 50VL edo 19VL dng 25VL feo68 39VL feo61 redyd pos test	RC 12/16/24	RS 12/17/24	RS 12/17/24	RS 12/17/24	RS 12/17/24	RS 12/17/24
12/17/24	12 22 27 42 57 61 62 66VL dhc 12 27 42 48 61 62 66 fxn 12 62VL dhbt 50VL edorr	RC 12/17/24	RS 12/17/24	RS 12/17/24	RS 12/17/24	RS 12/17/24	RS 12/17/24
12/17/24	28VL sarcetracking 22VL dhcrr	RC 12/17/24	RS 12/18/24	RS 12/18/24	RS 12/18/24	RS 12/18/24	RS 12/18/24
12/18/24	28 34 38 69 70 71 72 73 74 75 76 77 78 79 80VL ebvdil 67VL dhc	RS 12/18/24	RS 12/18/24	RS 12/18/24	RS 12/18/24	RS 12/18/24	RS 12/18/24
12/18/24	34 63 70 71 76 79VL ebvdil 32 53 73 80VL dhc 32 73 80VL fxn 6IVI micc mich	RS 12/18/24	RS 12/19/24	RS 12/19/24	RS 12/19/24	RS 12/19/24	RS 12/19/24
12/19/24	34 58 63 70 73 75 76 78 81 83 84VL eb 32 38VL dhc	RS 12/19/24	RS 12/19/24	RS 12/19/24	RS 12/19/24	RS 12/19/24	RS 12/19/24
12/19/24	58 63 72 74 77 85VL 402EVL ebvdil 69VL dhc 70 76 78 79VL dhc fxn	RS 12/19/24	RS 12/19/24	RS 12/19/24	RS 12/19/24	RS 12/19/24	RS 12/19/24
12/19/24	34 63 70 83 84VL ~~ebvdil~~ 12/19/24 RS ebdil 73 76 78 81 63VL dhc	RS 12/19/24	RS 12/20/24	RS 12/20/24	RS 12/20/24	RS 12/20/24	RS 12/20/24
12/20/24	72 73 76 79 81 84 86 87 88 89 90VL 402 403EVL eb 70 84 63VL dhc	RS 12/20/24	RS 12/20/24	RS 12/20/24	RS 12/20/24	RS 12/20/24	RS 12/20/24

Comments:

INSTRUMENT CALIBRATION RECORD

Instrument # QuantStudio **Description** 384-Well Block

Identification # (if applicable) _____

Manufacturer Life Technologies **Serial #** 285881017 **Model #** 12K Flex

Location DNA **Calibration Frequency** Monthly

Calibration Procedure/ # Background Plate – Follow computer instructions.

Date Calibrated	Checked by	Department	Results	Checked by
5-31-23	ORC	DNA	Passed	6/9/23 AP
6-30-23	ORC	DNA	Passed	7/6/23 AP
7-28-23	ORC	DNA	Passed	8/15/23 AP
8-31-23	ORC	DNA	Passed	9/28/23 AP
9-29-23	ORC	DNA	Passed	11/4/24 AP
10-31-23	ORC	DNA	Passed	3/4/24 AP
12-4-23	ORC	DNA	Passed.	3/4/24 AP
1-2-24	ORC/RS	DNA	PASSed	3/4/24 AP
1-31-24	RS	DNA	PASS	4/17/24 AP
2/29/24	RS	DNA	PASS	4/17/24 AP
3/29/24	RS	DNA	PASS	5/8/24 AP
5/1/24	RS	DNA	PASS	5/8/24 AP
5/31/24	RS	DNA	PASS	6/12/24 AP
6/28/24	RS	DNA	PASS	7/23/24 AP
7/31/24	RS	DNA	PASS	8/20/24 AP
8/30/24	RS	DNA	PASS	9/11/24 AP
10/01/2024	RS	DNA	PASS	10/5/24 AP
11/01/2024	RS	DNA	PASS	11/14/24 AP
12/03/2024	RS	DNA	PASS	12/10/24 AP

INSTRUMENT CALIBRATION RECORD

Instrument # QuantStudio **Description** 384-Well Block

Identification # (if applicable) _____

Manufacturer Life Technologies **Serial #** 285880036 **Model #** 12K Flex

Location DNA **Calibration Frequency** Monthly

Calibration Procedure/ # Background Plate – Follow computer instructions.

Date Calibrated	Checked by	Department	Results	Checked by
5/10/23	CS	DNA	Passed	
5/31/23	ORC	DNA	Passed	6/9/23
6/30/23	ORC	DNA	Passed	9/18/23
7/31/23	ORC	DNA	Passed	"
8/31/23	ORC	DNA	Passed	"
9-29-23	ORC	DNA	Passed	1/4/24 AP
10-31-23	ORC	DNA	Passed	1/9/24 AP
12.5.23	RS	DNA	PASSED	
12.6.23	RS	DNA	PASSED	1/12/24 AP
12.1-2-23	RS/ORC	DNA	PASSED	
1.31.24	RS	DNA	PASS	2/12/24 AP
2/29/24	RS	DNA	PASS	3/18/24 AP
3/29/24	LL/RS	DNA	PASS	4/17/24 AP
5/1/24	ORC	DNA	Pass	5/8/24 AP
5/31/24	RS	DNA	PASS	6/12/24 AP
6/28/24	RS	DNA	PASS	7/23/24 AP
7/31/24	LL	DNA	PASS	8/20/24 AP
8/30/24	RS	DNA	PASS	9/11/24 AP
10/01/24	RS	DNA	PASS	10/9/24 AP
11/01/24	RS	DNA	PASS	11/14/24 AP
12/3/24	RS	DNA	PASS	12/10/24 AP

INSTRUMENT/GAUGE CALIBRATION RECORD

Instrument # ABI 7500 **Description** Real-Time PCR System

Identification # (if applicable) 181

Manufacturer ABI **Serial #** 2750010728 **Model #** 7500

Location DNA **Calibration Frequency** Monthly

Calibration Procedure/ # Background water plate

Date Calibrated	Checked by	Department	Results
3-31-23	ORC	DNA	Passed
~~4-~~ 4-28-23	ORC	DNA	Passed
5-31-23	ORC	DNA	Passed
6-30-23	ORC	DNA	Passed
7-31-23	ORC	DNA	Passed
8-10-23	ORC	DNA	Passed
8-31-23	ORC	DNA	Passed
9-29-23	ORC	DNA	Passed
10-31-23	ORC	DNA	Passed
12-5-23	ORC	DNA	Passed
1-2-24	ORC	DNA	Passed.
1-31-24	RS	DNA	PASS
2/29/24	RS	DNA	PASS
3/29/24	RS/LL	DNA	PASS
5/1/24	ORC	DNA	Passed.
5/31/24	ORC	DNA	Passed.
6/28/24	RS	DNA	PASS
7/31/24	LL	DNA	PASS
8/30/24	RS	DNA	PASS
10/01/24	RS	DNA	PASS
11/01/24	RS	DNA	PASS
12/03/24	RS	DNA	PASS

4/5/23 AP

5/25/23 AP

6/9/23 AP

8/15/23 AP

9/28/23 AP

10/25/23 AP

1/4/24 AP

1/8/24 AP

2/12/24 AP

3/18/24 AP

4/17/24 AP

5/8/24 AP

6/12/24 AP

7/23/24 AP

8/20/24 AP

9/11/24 AP

10/9/24 AP

11/14/24 AP

12/10/24 AP

APPENDIX N SOIL VAPOR LAB REPORTS

ANALYTICAL REPORT

Lab Number:	L2425152
Client:	ERM, Inc. 5784 Wide Waters Parkway Syracuse, NY 13214
ATTN:	Tim Daniluk
Phone:	(315) 445-2553
Project Name:	CHEEKTOWAGA - DANAHER
Project Number:	0709858
Report Date:	05/22/24

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Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0825), DoD (L2474), FL (E87814), IL (200081), IN (C-MA-04), KY (KY98046), LA (85084), ME (MA00030), MD (350), MI (9110), MN (025-999-495), NJ (MA015), NY (11627), NC (685), OR (MA-0262), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #525-23-107-88708A1), USFWS (Permit #A24920).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0709858

Lab Number: L2425152
Report Date: 05/22/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2425152-01	AA-06-20240507-01	AIR	CHEEKTOWAGA, NY	05/07/24 14:02	05/07/24
L2425152-02	SV-13-20240507-01	SOIL_VAPOR	CHEEKTOWAGA, NY	05/07/24 09:14	05/07/24
L2425152-03	SV-DUP-20240507-01	SOIL_VAPOR	CHEEKTOWAGA, NY	05/07/24 09:14	05/07/24
L2425152-04	SV-14-20240507-01	SOIL_VAPOR	CHEEKTOWAGA, NY	05/07/24 10:10	05/07/24
L2425152-05	SV-15-20240507-01	SOIL_VAPOR	CHEEKTOWAGA, NY	05/07/24 11:08	05/07/24
L2425152-06	SV-16-20240507-01	SOIL_VAPOR	CHEEKTOWAGA, NY	05/07/24 12:11	05/07/24
L2425152-07	SV-17-20240507-01	SOIL_VAPOR	CHEEKTOWAGA, NY	05/07/24 13:26	05/07/24
L2425152-08	SV-19-20240507-01	SOIL_VAPOR	CHEEKTOWAGA, NY	05/07/24 14:21	05/07/24
L2425152-09	SV-18-20240507-01	SOIL_VAPOR	CHEEKTOWAGA, NY	05/07/24 16:11	05/07/24
L2425152-10	UNUSED CAN #3951	SOIL_VAPOR	CHEEKTOWAGA, NY		05/07/24
L2425152-11	UNUSED CAN #3632	AIR	CHEEKTOWAGA, NY		05/07/24

Project Name:	CHEEKTOWAGA - DANAHER	**Lab Number:**	L2425152
Project Number:	0709858	**Report Date:**	05/22/24

Case Narrative

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

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

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

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

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

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

Project Name:	CHEEKTOWAGA - DANAHER	**Lab Number:**	L2425152
Project Number:	0709858	**Report Date:**	05/22/24

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on May 01, 2024. The canister certification data is provided as an addendum.

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

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 05/22/24

AIR

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0709858
Lab Number: L2425152
Report Date: 05/22/24

SAMPLE RESULTS

Lab ID: L2425152-01
Client ID: AA-06-20240507-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 05/07/24 14:02
Date Received: 05/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 05/20/24 19:11
Analyst: BJB

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.511	0.200	--	2.53	0.989	--		1
Chloromethane	0.601	0.200	--	1.24	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.35	1.00	--	5.58	2.38	--		1
Trichlorofluoromethane	0.229	0.200	--	1.29	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	0.824	0.500	--	2.86	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0709858
Lab Number: L2425152
Report Date: 05/22/24

SAMPLE RESULTS

Lab ID: L2425152-01
Client ID: AA-06-20240507-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 05/07/24 14:02
Date Received: 05/07/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.229	0.200	--	0.863	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0709858
Lab Number: L2425152
Report Date: 05/22/24

SAMPLE RESULTS

Lab ID: L2425152-01
Client ID: AA-06-20240507-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 05/07/24 14:02
Date Received: 05/07/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	85		60-140

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0709858
Lab Number: L2425152
Report Date: 05/22/24

SAMPLE RESULTS

Lab ID: L2425152-02
Client ID: SV-13-20240507-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 05/07/24 09:14
Date Received: 05/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 05/20/24 19:53
Analyst: BJB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.543	0.200	--	2.69	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	18.4	1.00	--	43.7	2.38	--		1
Trichlorofluoromethane	0.294	0.200	--	1.65	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	3.40	0.500	--	10.0	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0709858
Lab Number: L2425152
Report Date: 05/22/24

SAMPLE RESULTS

Lab ID: L2425152-02
Client ID: SV-13-20240507-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 05/07/24 09:14
Date Received: 05/07/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.03	0.200	--	3.63	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	3.01	0.200	--	9.62	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	1.16	0.200	--	3.99	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	0.983	0.200	--	4.59	0.934	--		1
Heptane	1.22	0.200	--	5.00	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	7.45	0.200	--	28.1	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.792	0.200	--	3.44	0.869	--		1

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0709858
Lab Number: L2425152
Report Date: 05/22/24

SAMPLE RESULTS

Lab ID: L2425152-02
Client ID: SV-13-20240507-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 05/07/24 09:14
Date Received: 05/07/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	1.81	0.400	--	7.86	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.645	0.200	--	2.80	0.869	--		1
4-Ethyltoluene	0.206	0.200	--	1.01	0.983	--		1
1,3,5-Trimethylbenzene	0.238	0.200	--	1.17	0.983	--		1
1,2,4-Trimethylbenzene	0.932	0.200	--	4.58	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	93		60-140

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0709858
Lab Number: L2425152
Report Date: 05/22/24

SAMPLE RESULTS

Lab ID: L2425152-03
Client ID: SV-DUP-20240507-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 05/07/24 09:14
Date Received: 05/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 05/20/24 20:36
Analyst: BJB

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.545	0.200	--	2.69	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	23.2	1.00	--	55.1	2.38	--		1
Trichlorofluoromethane	0.289	0.200	--	1.62	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	2.35	0.500	--	6.93	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0709858
Lab Number: L2425152
Report Date: 05/22/24

SAMPLE RESULTS

Lab ID: L2425152-03
Client ID: SV-DUP-20240507-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 05/07/24 09:14
Date Received: 05/07/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.06	0.200	--	3.74	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	2.60	0.200	--	8.31	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	1.10	0.200	--	3.79	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	1.72	0.200	--	7.05	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	9.96	0.200	--	37.5	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	1.34	0.200	--	5.82	0.869	--		1

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0709858
Lab Number: L2425152
Report Date: 05/22/24

SAMPLE RESULTS

Lab ID: L2425152-03
Client ID: SV-DUP-20240507-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 05/07/24 09:14
Date Received: 05/07/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	5.73	0.400	--	24.9	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.97	0.200	--	8.56	0.869	--		1
4-Ethyltoluene	0.236	0.200	--	1.16	0.983	--		1
1,3,5-Trimethylbenzene	0.380	0.200	--	1.87	0.983	--		1
1,2,4-Trimethylbenzene	1.10	0.200	--	5.41	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	96		60-140

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0709858
Lab Number: L2425152
Report Date: 05/22/24

SAMPLE RESULTS

Lab ID: L2425152-04
Client ID: SV-14-20240507-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 05/07/24 10:10
Date Received: 05/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 05/20/24 22:00
Analyst: BJB

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.512	0.200	--	2.53	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.91	1.00	--	4.54	2.38	--		1
Trichlorofluoromethane	0.243	0.200	--	1.37	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	0.722	0.500	--	2.19	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.862	0.500	--	2.54	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0709858
Lab Number: L2425152
Report Date: 05/22/24

SAMPLE RESULTS

Lab ID: L2425152-04
Client ID: SV-14-20240507-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 05/07/24 10:10
Date Received: 05/07/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.394	0.200	--	1.36	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	0.359	0.200	--	1.68	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0709858
Lab Number: L2425152
Report Date: 05/22/24

SAMPLE RESULTS

Lab ID: L2425152-04
Client ID: SV-14-20240507-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 05/07/24 10:10
Date Received: 05/07/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	93		60-140

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0709858
Lab Number: L2425152
Report Date: 05/22/24

SAMPLE RESULTS

Lab ID: L2425152-05
Client ID: SV-15-20240507-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 05/07/24 11:08
Date Received: 05/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 05/20/24 22:42
Analyst: BJB

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.579	0.200	--	2.86	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	5.31	5.00	--	10.0	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.42	1.00	--	3.37	2.38	--		1
Trichlorofluoromethane	0.287	0.200	--	1.61	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0709858
Lab Number: L2425152
Report Date: 05/22/24

SAMPLE RESULTS

Lab ID: L2425152-05
Client ID: SV-15-20240507-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 05/07/24 11:08
Date Received: 05/07/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0709858
Lab Number: L2425152
Report Date: 05/22/24

SAMPLE RESULTS

Lab ID: L2425152-05
Client ID: SV-15-20240507-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 05/07/24 11:08
Date Received: 05/07/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	82		60-140

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0709858
Lab Number: L2425152
Report Date: 05/22/24

SAMPLE RESULTS

Lab ID: L2425152-06
Client ID: SV-16-20240507-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 05/07/24 12:11
Date Received: 05/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 05/20/24 23:24
Analyst: BJB

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.599	0.200	--	2.96	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.61	1.00	--	6.20	2.38	--		1
Trichlorofluoromethane	0.302	0.200	--	1.70	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0709858
Lab Number: L2425152
Report Date: 05/22/24

SAMPLE RESULTS

Lab ID: L2425152-06
Client ID: SV-16-20240507-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 05/07/24 12:11
Date Received: 05/07/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.244	0.200	--	0.920	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0709858
Lab Number: L2425152
Report Date: 05/22/24

SAMPLE RESULTS

Lab ID: L2425152-06
Client ID: SV-16-20240507-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 05/07/24 12:11
Date Received: 05/07/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.220	0.200	--	1.08	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	86		60-140

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0709858
Lab Number: L2425152
Report Date: 05/22/24

SAMPLE RESULTS

Lab ID: L2425152-07
Client ID: SV-17-20240507-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 05/07/24 13:26
Date Received: 05/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 05/21/24 00:07
Analyst: BJB

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.594	0.200	--	2.94	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.60	1.00	--	3.80	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0709858
Lab Number: L2425152
Report Date: 05/22/24

SAMPLE RESULTS

Lab ID: L2425152-07
Client ID: SV-17-20240507-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 05/07/24 13:26
Date Received: 05/07/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0709858
Lab Number: L2425152
Report Date: 05/22/24

SAMPLE RESULTS

Lab ID: L2425152-07
Client ID: SV-17-20240507-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 05/07/24 13:26
Date Received: 05/07/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	87		60-140

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0709858
Lab Number: L2425152
Report Date: 05/22/24

SAMPLE RESULTS

Lab ID: L2425152-08
Client ID: SV-19-20240507-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 05/07/24 14:21
Date Received: 05/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 05/21/24 00:49
Analyst: BJB

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.682	0.200	--	3.37	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.62	1.00	--	3.85	2.38	--		1
Trichlorofluoromethane	0.257	0.200	--	1.44	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	0.648	0.500	--	1.96	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0709858
Lab Number: L2425152
Report Date: 05/22/24

SAMPLE RESULTS

Lab ID: L2425152-08
Client ID: SV-19-20240507-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 05/07/24 14:21
Date Received: 05/07/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0709858
Lab Number: L2425152
Report Date: 05/22/24

SAMPLE RESULTS

Lab ID: L2425152-08
Client ID: SV-19-20240507-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 05/07/24 14:21
Date Received: 05/07/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	84		60-140

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0709858
Lab Number: L2425152
Report Date: 05/22/24

SAMPLE RESULTS

Lab ID: L2425152-09
Client ID: SV-18-20240507-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 05/07/24 16:11
Date Received: 05/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 05/21/24 01:31
Analyst: BJB

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.541	0.200	--	2.68	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.70	1.00	--	6.41	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	1.45	0.500	--	4.40	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.328	0.200	--	1.02	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.759	0.500	--	2.24	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0709858
Lab Number: L2425152
Report Date: 05/22/24

SAMPLE RESULTS

Lab ID: L2425152-09
Client ID: SV-18-20240507-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 05/07/24 16:11
Date Received: 05/07/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.24	0.200	--	4.37	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	1.69	0.200	--	5.82	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	1.63	0.200	--	7.61	0.934	--		1
Heptane	1.01	0.200	--	4.14	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.218	0.200	--	0.822	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0709858
Lab Number: L2425152
Report Date: 05/22/24

SAMPLE RESULTS

Lab ID: L2425152-09
Client ID: SV-18-20240507-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 05/07/24 16:11
Date Received: 05/07/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	87		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	83		60-140

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0709858
Lab Number: L2425152
Report Date: 05/22/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 05/20/24 17:47

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-09 Batch: WG1923505-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0709858
Lab Number: L2425152
Report Date: 05/22/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 05/20/24 17:47

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-09 Batch: WG1923505-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0709858
Lab Number: L2425152
Report Date: 05/22/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 05/20/24 17:47

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-09 Batch: WG1923505-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0709858

Lab Number: L2425152
Report Date: 05/22/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-09 Batch: WG1923505-3								
Dichlorodifluoromethane	93		-		70-130	-		
Chloromethane	87		-		70-130	-		
Freon-114	101		-		70-130	-		
Vinyl chloride	94		-		70-130	-		
1,3-Butadiene	107		-		70-130	-		
Bromomethane	99		-		70-130	-		
Chloroethane	92		-		70-130	-		
Ethanol	98		-		40-160	-		
Vinyl bromide	87		-		70-130	-		
Acetone	93		-		40-160	-		
Trichlorofluoromethane	97		-		70-130	-		
Isopropanol	80		-		40-160	-		
1,1-Dichloroethene	92		-		70-130	-		
Tertiary butyl Alcohol	87		-		70-130	-		
Methylene chloride	94		-		70-130	-		
3-Chloropropene	90		-		70-130	-		
Carbon disulfide	84		-		70-130	-		
Freon-113	84		-		70-130	-		
trans-1,2-Dichloroethene	91		-		70-130	-		
1,1-Dichloroethane	85		-		70-130	-		
Methyl tert butyl ether	88		-		70-130	-		
2-Butanone	88		-		70-130	-		
cis-1,2-Dichloroethene	90		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: CHEEKTOWAGA - DANAHER

Project Number: 0709858

Lab Number: L2425152

Report Date: 05/22/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-09 Batch: WG1923505-3								
Ethyl Acetate	93		-		70-130	-		
Chloroform	97		-		70-130	-		
Tetrahydrofuran	85		-		70-130	-		
1,2-Dichloroethane	90		-		70-130	-		
n-Hexane	107		-		70-130	-		
1,1,1-Trichloroethane	98		-		70-130	-		
Benzene	95		-		70-130	-		
Carbon tetrachloride	103		-		70-130	-		
Cyclohexane	108		-		70-130	-		
1,2-Dichloropropane	92		-		70-130	-		
Bromodichloromethane	112		-		70-130	-		
1,4-Dioxane	107		-		70-130	-		
Trichloroethene	96		-		70-130	-		
2,2,4-Trimethylpentane	108		-		70-130	-		
Heptane	102		-		70-130	-		
cis-1,3-Dichloropropene	101		-		70-130	-		
4-Methyl-2-pentanone	101		-		70-130	-		
trans-1,3-Dichloropropene	102		-		70-130	-		
1,1,2-Trichloroethane	92		-		70-130	-		
Toluene	85		-		70-130	-		
2-Hexanone	96		-		70-130	-		
Dibromochloromethane	96		-		70-130	-		
1,2-Dibromoethane	84		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: CHEEKTOWAGA - DANAHER

Project Number: 0709858

Lab Number: L2425152

Report Date: 05/22/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-09 Batch: WG1923505-3								
Tetrachloroethene	82		-		70-130	-		
Chlorobenzene	85		-		70-130	-		
Ethylbenzene	86		-		70-130	-		
p/m-Xylene	89		-		70-130	-		
Bromoform	94		-		70-130	-		
Styrene	84		-		70-130	-		
1,1,2,2-Tetrachloroethane	95		-		70-130	-		
o-Xylene	90		-		70-130	-		
4-Ethyltoluene	87		-		70-130	-		
1,3,5-Trimethylbenzene	87		-		70-130	-		
1,2,4-Trimethylbenzene	91		-		70-130	-		
Benzyl chloride	90		-		70-130	-		
1,3-Dichlorobenzene	86		-		70-130	-		
1,4-Dichlorobenzene	84		-		70-130	-		
1,2-Dichlorobenzene	81		-		70-130	-		
1,2,4-Trichlorobenzene	80		-		70-130	-		
Naphthalene	86		-		70-130	-		
Hexachlorobutadiene	80		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0709858

Lab Number: L2425152
Report Date: 05/22/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG1923505-5 QC Sample: L2425152-03 Client ID: SV-DUP-20240507-01						
Dichlorodifluoromethane	0.545	0.545	ppbV	0		25
Chloromethane	ND	ND	ppbV	NC		25
Freon-114	ND	ND	ppbV	NC		25
Vinyl chloride	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	ND	ND	ppbV	NC		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	23.2	23.3	ppbV	0		25
Trichlorofluoromethane	0.289	0.284	ppbV	2		25
Isopropanol	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Tertiary butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0709858

Lab Number: L2425152
Report Date: 05/22/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG1923505-5 QC Sample: L2425152-03 Client ID: SV-DUP-20240507-01						
2-Butanone	2.35	2.34	ppbV	0		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
Ethyl Acetate	ND	ND	ppbV	NC		25
Chloroform	ND	ND	ppbV	NC		25
Tetrahydrofuran	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	1.06	1.06	ppbV	0		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Benzene	2.60	2.58	ppbV	1		25
Carbon tetrachloride	ND	ND	ppbV	NC		25
Cyclohexane	1.10	1.10	ppbV	0		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
Trichloroethene	ND	ND	ppbV	NC		25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC		25
Heptane	1.72	1.72	ppbV	0		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
4-Methyl-2-pentanone	ND	ND	ppbV	NC		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0709858

Lab Number: L2425152
Report Date: 05/22/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG1923505-5 QC Sample: L2425152-03 Client ID: SV-DUP-20240507-01						
Toluene	9.96	10.0	ppbV	0		25
2-Hexanone	ND	ND	ppbV	NC		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Tetrachloroethene	ND	ND	ppbV	NC		25
Chlorobenzene	ND	ND	ppbV	NC		25
Ethylbenzene	1.34	1.33	ppbV	1		25
p/m-Xylene	5.73	5.80	ppbV	1		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	ND	ND	ppbV	NC		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	1.97	1.95	ppbV	1		25
4-Ethyltoluene	0.236	0.221	ppbV	7		25
1,3,5-Trimethylbenzene	0.380	0.374	ppbV	2		25
1,2,4-Trimethylbenzene	1.10	1.12	ppbV	2		25
Benzyl chloride	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC		25
Naphthalene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0709858

Lab Number: L2425152
Report Date: 05/22/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG1923505-5 QC Sample: L2425152-03 Client ID: SV-DUP-20240507-01						
Hexachlorobutadiene	ND	ND	ppbV	NC		25

Project Name: CHEEKTOWAGA - DANAHER

Lab Number: L2425152

Project Number: 0709858

Report Date: 05/22/24

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2425152-01	AA-06-20240507-01	0822	Flow 4	05/01/24	459869		-	-	-	Pass	10.0	10.2	2
L2425152-01	AA-06-20240507-01	2391	6.0L Can	05/01/24	459869	L2420591-03	Pass	-28.7	-9.5	-	-	-	-
L2425152-02	SV-13-20240507-01	01448	Flow 2	05/01/24	459869		-	-	-	Pass	161	156	3
L2425152-02	SV-13-20240507-01	4304	6.0L Can	05/01/24	459869	L2420591-07	Pass	-28.8	-6.1	-	-	-	-
L2425152-03	SV-DUP-20240507-01	0646	Flow 1	05/01/24	459869		-	-	-	Pass	161	166	3
L2425152-03	SV-DUP-20240507-01	686	6.0L Can	05/01/24	459869	L2420591-07	Pass	-28.7	-6.1	-	-	-	-
L2425152-04	SV-14-20240507-01	02352	Flow 1	05/01/24	459869		-	-	-	Pass	160	163	2
L2425152-04	SV-14-20240507-01	2565	6.0L Can	05/01/24	459869	L2420591-07	Pass	-28.8	-9.5	-	-	-	-
L2425152-05	SV-15-20240507-01	02366	Flow 1	05/01/24	459869		-	-	-	Pass	160	169	5
L2425152-05	SV-15-20240507-01	3636	6.0L Can	05/01/24	459869	L2420591-03	Pass	-28.8	-8.3	-	-	-	-
L2425152-06	SV-16-20240507-01	02372	Flow 1	05/01/24	459869		-	-	-	Pass	160	158	1
L2425152-06	SV-16-20240507-01	3971	6.0L CAN	05/01/24	459869	L2420591-07	Pass	-28.8	-9.6	-	-	-	-
L2425152-07	SV-17-20240507-01	0359	Flow 2	05/01/24	459869		-	-	-	Pass	161	162	1
L2425152-07	SV-17-20240507-01	3279	6.0L Can	05/01/24	459869	L2420591-07	Pass	-28.8	-8.9	-	-	-	-
L2425152-08	SV-19-20240507-01	01833	Flow 1	05/01/24	459869		-	-	-	Pass	160	162	1

Project Name: CHEEKTOWAGA - DANAHER

Lab Number: L2425152

Project Number: 0709858

Report Date: 05/22/24

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2425152-08	SV-19-20240507-01	2986	6.0L Can	05/01/24	459869	L2420591-03	Pass	-28.8	-9.7	-	-	-	-
L2425152-09	SV-18-20240507-01	0805	Flow 2	05/01/24	459869		-	-	-	Pass	162	163	1
L2425152-09	SV-18-20240507-01	3139	6.0L Can	05/01/24	459869	L2420591-03	Pass	-28.8	-10.0	-	-	-	-
L2425152-10	UNUSED CAN #3951	02328	Flow 1	05/01/24	459869		-	-	-	Pass	160	159	1
L2425152-10	UNUSED CAN #3951	3951	6.0L Can	05/01/24	459869	L2420591-07	Pass	-28.8	-29.4	-	-	-	-
L2425152-11	UNUSED CAN #3632	01784	Flow 5	05/01/24	459869		-	-	-	Pass	10.0	10.3	3
L2425152-11	UNUSED CAN #3632	3632	6.0L Can	05/01/24	459869	L2420591-07	Pass	-28.8	-29.6	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2420591

Project Number: CANISTER QC BAT **Report Date:** 05/22/24

Air Canister Certification Results

Lab ID: L2420591-03
Client ID: CAN 2638 SHELF 61
Sample Location:

Date Collected: 04/15/24 18:00
Date Received: 04/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/18/24 00:32
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2420591

Project Number: CANISTER QC BAT **Report Date:** 05/22/24

Air Canister Certification Results

Lab ID: L2420591-03
Client ID: CAN 2638 SHELF 61
Sample Location:

Date Collected: 04/15/24 18:00
Date Received: 04/16/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2420591

Project Number: CANISTER QC BAT **Report Date:** 05/22/24

Air Canister Certification Results

Lab ID: L2420591-03
Client ID: CAN 2638 SHELF 61
Sample Location:

Date Collected: 04/15/24 18:00
Date Received: 04/16/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2420591

Project Number: CANISTER QC BAT **Report Date:** 05/22/24

Air Canister Certification Results

Lab ID: L2420591-03
Client ID: CAN 2638 SHELF 61
Sample Location:

Date Collected: 04/15/24 18:00
Date Received: 04/16/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,3-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2420591
Report Date: 05/22/24

Air Canister Certification Results

Lab ID: L2420591-03
Client ID: CAN 2638 SHELF 61
Sample Location:

Date Collected: 04/15/24 18:00
Date Received: 04/16/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	94		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2420591
Report Date: 05/22/24

Air Canister Certification Results

Lab ID: L2420591-03
Client ID: CAN 2638 SHELF 61
Sample Location:

Date Collected: 04/15/24 18:00
Date Received: 04/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/18/24 00:32
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2420591
Report Date: 05/22/24

Air Canister Certification Results

Lab ID: L2420591-03
Client ID: CAN 2638 SHELF 61
Sample Location:

Date Collected: 04/15/24 18:00
Date Received: 04/16/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2420591
Report Date: 05/22/24

Air Canister Certification Results

Lab ID: L2420591-03
Client ID: CAN 2638 SHELF 61
Sample Location:

Date Collected: 04/15/24 18:00
Date Received: 04/16/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	95		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	94		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2420591

Project Number: CANISTER QC BAT **Report Date:** 05/22/24

Air Canister Certification Results

Lab ID: L2420591-07
Client ID: CAN 2615 SHELF 64
Sample Location:

Date Collected: 04/16/24 12:00
Date Received: 04/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/18/24 03:19
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2420591

Project Number: CANISTER QC BAT **Report Date:** 05/22/24

Air Canister Certification Results

Lab ID: L2420591-07
Client ID: CAN 2615 SHELF 64
Sample Location:

Date Collected: 04/16/24 12:00
Date Received: 04/16/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2420591

Project Number: CANISTER QC BAT **Report Date:** 05/22/24

Air Canister Certification Results

Lab ID: L2420591-07
Client ID: CAN 2615 SHELF 64
Sample Location:

Date Collected: 04/16/24 12:00
Date Received: 04/16/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2420591

Project Number: CANISTER QC BAT **Report Date:** 05/22/24

Air Canister Certification Results

Lab ID: L2420591-07
Client ID: CAN 2615 SHELF 64
Sample Location:

Date Collected: 04/16/24 12:00
Date Received: 04/16/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2420591
Report Date: 05/22/24

Air Canister Certification Results

Lab ID: L2420591-07
Client ID: CAN 2615 SHELF 64
Sample Location:

Date Collected: 04/16/24 12:00
Date Received: 04/16/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	93		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2420591

Project Number: CANISTER QC BAT **Report Date:** 05/22/24

Air Canister Certification Results

Lab ID: L2420591-07
Client ID: CAN 2615 SHELF 64
Sample Location:

Date Collected: 04/16/24 12:00
Date Received: 04/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/18/24 03:19
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2420591

Project Number: CANISTER QC BAT **Report Date:** 05/22/24

Air Canister Certification Results

Lab ID: L2420591-07
Client ID: CAN 2615 SHELF 64
Sample Location:

Date Collected: 04/16/24 12:00
Date Received: 04/16/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2420591

Project Number: CANISTER QC BAT **Report Date:** 05/22/24

Air Canister Certification Results

Lab ID: L2420591-07
Client ID: CAN 2615 SHELF 64
Sample Location:

Date Collected: 04/16/24 12:00
Date Received: 04/16/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	96		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	94		60-140

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0709858

Lab Number: L2425152
Report Date: 05/22/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2425152-01A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2425152-02A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2425152-03A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2425152-04A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2425152-05A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2425152-06A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2425152-07A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2425152-08A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2425152-09A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2425152-10A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		CLEAN-FEE()
L2425152-11A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		CLEAN-FEE()

*Values in parentheses indicate holding time in days

Project Name:	CHEEKTOWAGA - DANAHER	**Lab Number:**	L2425152
Project Number:	0709858	**Report Date:**	05/22/24

GLOSSARY

Acronyms

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

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

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

EPA - Environmental Protection Agency.

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

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

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

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

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

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

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

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

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

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

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

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

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

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

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

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

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

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

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

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

Report Format: Data Usability Report

Project Name:	CHEEKTOWAGA - DANAHER	**Lab Number:**	L2425152
Project Number:	0709858	**Report Date:**	05/22/24

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

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

Report Format: Data Usability Report

Project Name:	CHEEKTOWAGA - DANAHER	**Lab Number:**	L2425152
Project Number:	0709858	**Report Date:**	05/22/24

Data Qualifiers

ND - Not detected at the reporting limit (RL) for the sample.

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Report Format: Data Usability Report

Project Name:	CHEEKTOWAGA - DANAHER	**Lab Number:**	L2425152
Project Number:	0709858	**Report Date:**	05/22/24

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

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

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

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

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

Mansfield Facility:

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

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

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

AIR ANALYSIS

PAGE 1 OF 1

ALPHA ANALYTICAL — CHAIN OF CUSTODY

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

Date Rec'd in Lab: 5/8/24

ALPHA Job #: L2425152

Client Information

Client: ERM
Address: 5784 Widewaters Pkwy
Syracuse, NY 13214
Phone: 315-445-2554
Fax: edd@erm.com
Email: kevin.warner@erm.com; tim.daniluk@erm.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Cheektowaga-Dunkirk
Project Location: Cheektowaga, NY
Project #: 0709858
Project Manager: Tim Daniluk
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☒ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats: ASP Cat B, Level IV
☒ EMAIL (standard pdf report)
☒ Additional Deliverables: ERM EQUIS EDD
Report to: (if different than Project Manager)

Billing Information

☒ Same as Client info PO #: 0709858

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments: Olivia.botting@erm.com

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 SIM	APH (Extend Non-petroleum HCs ☐)	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
25152-01	AA-06-20240507-01	5/7/24	0726	1402	-29.33	-8.62	AA	OB	6L	2391	0822?	X					
02	SV-13-20240507-01		0846	0914	-27.60	-4.93	SV	OB	6L	4304	01448	X					
03	SV-DUP-20240507-01		0846	0914	-29.02	-5.58	SV	OB	6L	686	0646	X					
04	SV-14-20240507-01		0946	1010	-28.53	-8.55	SV	OB	6L	2565	02352	X					
05	SV-15-20240507-01		1042	1108	-29.06	-7.60	SV	OB	6L	3636	02366	X					
06	SV-16-20240507-01		1146	1211	-29.01	-8.58	SV	OB	6L	3971	02372	X					
07	SV-17-20240507-01		1301	1326	-29.07	-8.54	SV	OB	6L	3279	0359	X					
08	SV-19-20240507-01		1357	1421	-28.94	-8.33	SV	OB	6L	2986	01833	X					
09	SV-18-20240507-01		1540	1611	-28.25	-8.21	SV	OB	6L	3139	0805	X					

(OB)

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type: CS CS

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
	5/7/24 1715		5-7-24 1715
	5-7-24 1715		5/8/24 0100
	5/8/24 500		5/8/24 0255
	5/8/24 0450		5/8/24 0650

FORM NO. 01-02 (rev: (25-Sep-15))

ANALYTICAL REPORT

Lab Number:	L2435728
Client:	ERM, Inc. 5784 Wide Waters Parkway Syracuse, NY 13214
ATTN:	Tim Daniluk
Phone:	(315) 445-2553
Project Name:	CHEEKTOWAGA - DANAHER
Project Number:	0671863
Report Date:	07/08/24

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0825), DoD (L2474), FL (E87814), IL (200081), IN (C-MA-04), KY (KY98046), LA (85084), ME (MA00030), MD (350), MI (9110), MN (025-999-495), NJ (MA015), NY (11627), NC (685), OR (MA-0262), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #525-23-107-88708A1), USFWS (Permit #A24920).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0671863

Lab Number: L2435728
Report Date: 07/08/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2435728-01	AA-07-20240624-01	AIR	CHEEKTOWAGA, NY	06/24/24 16:13	06/24/24
L2435728-02	SV-03-20240624-01	SOIL_VAPOR	CHEEKTOWAGA, NY	06/24/24 11:12	06/24/24
L2435728-03	SV-04S-20240624-01	SOIL_VAPOR	CHEEKTOWAGA, NY	06/24/24 12:13	06/24/24
L2435728-04	SV-04D-20240624-01	SOIL_VAPOR	CHEEKTOWAGA, NY	06/24/24 13:52	06/24/24
L2435728-05	SV-DUP-20240624-01	SOIL_VAPOR	CHEEKTOWAGA, NY	06/24/24 13:53	06/24/24
L2435728-06	SV-05-20240624-01	SOIL_VAPOR	CHEEKTOWAGA, NY	06/24/24 14:40	06/24/24
L2435728-07	UNUSED CAN #3613	SOIL_VAPOR	CHEEKTOWAGA, NY		06/24/24
L2435728-08	UNUSED CAN #1615	AIR	CHEEKTOWAGA, NY		06/24/24

Project Name:	CHEEKTOWAGA - DANAHER	**Lab Number:**	L2435728
Project Number:	0671863	**Report Date:**	07/08/24

Case Narrative

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

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

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

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

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

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

Project Name:	CHEEKTOWAGA - DANAHER	**Lab Number:**	L2435728
Project Number:	0671863	**Report Date:**	07/08/24

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on June 20, 2024. The canister certification data is provided as an addendum.

L2435728-03 and -06: The sample was re-analyzed on dilution in order to quantitate the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

L2435728-03D and -06D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

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

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 07/08/24

AIR

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0671863
Lab Number: L2435728
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435728-01
Client ID: AA-07-20240624-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 06/24/24 16:13
Date Received: 06/24/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 07/02/24 17:21
Analyst: JMB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.398	0.200	--	1.97	0.989	--		1
Chloromethane	0.548	0.200	--	1.13	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	6.66	5.00	--	12.5	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.80	1.00	--	9.03	2.38	--		1
Trichlorofluoromethane	0.222	0.200	--	1.25	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0671863
Lab Number: L2435728
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435728-01
Client ID: AA-07-20240624-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 06/24/24 16:13
Date Received: 06/24/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0671863
Lab Number: L2435728
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435728-01
Client ID: AA-07-20240624-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 06/24/24 16:13
Date Received: 06/24/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	96		60-140

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0671863
Lab Number: L2435728
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435728-02
Client ID: SV-03-20240624-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 06/24/24 11:12
Date Received: 06/24/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 07/02/24 23:02
Analyst: JMB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.413	0.200	--	2.04	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	6.71	5.00	--	12.6	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.73	1.00	--	4.11	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	0.722	0.500	--	2.19	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0671863
Lab Number: L2435728
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435728-02
Client ID: SV-03-20240624-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 06/24/24 11:12
Date Received: 06/24/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	0.268	0.200	--	1.10	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0671863
Lab Number: L2435728
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435728-02
Client ID: SV-03-20240624-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 06/24/24 11:12
Date Received: 06/24/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	101		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	99		60-140

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0671863
Lab Number: L2435728
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435728-03
Client ID: SV-04S-20240624-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 06/24/24 12:13
Date Received: 06/24/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 07/02/24 23:35
Analyst: JMB

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.358	0.200	--	1.77	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	5.37	5.00	--	10.1	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.74	1.00	--	4.13	2.38	--		1
Trichlorofluoromethane	0.253	0.200	--	1.42	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	0.752	0.500	--	2.28	1.52	--		1
Methylene chloride	3.93	0.500	--	13.7	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	6.60	0.200	--	26.2	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	0.617	0.200	--	2.45	0.793	--		1

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0671863
Lab Number: L2435728
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435728-03
Client ID: SV-04S-20240624-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 06/24/24 12:13
Date Received: 06/24/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.913	0.200	--	4.46	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.209	0.200	--	0.737	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.262	0.200	--	0.837	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	449	0.200	--	2410	1.07	--	E	1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.560	0.200	--	2.29	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.248	0.200	--	0.935	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	2.45	0.200	--	16.6	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0671863
Lab Number: L2435728
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435728-03
Client ID: SV-04S-20240624-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 06/24/24 12:13
Date Received: 06/24/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	101		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	102		60-140

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0671863
Lab Number: L2435728
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435728-03 D
Client ID: SV-04S-20240624-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 06/24/24 12:13
Date Received: 06/24/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 07/03/24 07:04
Analyst: JMB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	1340	3.33	--	7200	17.9	--		16.67

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	108		60-140
Bromochloromethane	104		60-140
chlorobenzene-d5	103		60-140

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0671863
Lab Number: L2435728
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435728-04
Client ID: SV-04D-20240624-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 06/24/24 13:52
Date Received: 06/24/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 07/03/24 00:10
Analyst: JMB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.423	0.200	--	2.09	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.98	1.00	--	4.70	2.38	--		1
Trichlorofluoromethane	0.303	0.200	--	1.70	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	0.811	0.500	--	2.46	1.52	--		1
Methylene chloride	1.88	0.500	--	6.53	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0671863
Lab Number: L2435728
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435728-04
Client ID: SV-04D-20240624-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 06/24/24 13:52
Date Received: 06/24/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	5.98	0.200	--	32.1	1.07	--		1
2,2,4-Trimethylpentane	0.279	0.200	--	1.30	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0671863
Lab Number: L2435728
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435728-04
Client ID: SV-04D-20240624-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 06/24/24 13:52
Date Received: 06/24/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	102		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	99		60-140

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0671863
Lab Number: L2435728
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435728-05
Client ID: SV-DUP-20240624-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 06/24/24 13:53
Date Received: 06/24/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 07/03/24 00:44
Analyst: JMB

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.423	0.200	--	2.09	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.74	1.00	--	4.13	2.38	--		1
Trichlorofluoromethane	0.313	0.200	--	1.76	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	0.608	0.500	--	2.11	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0671863
Lab Number: L2435728
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435728-05
Client ID: SV-DUP-20240624-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 06/24/24 13:53
Date Received: 06/24/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	5.82	0.200	--	31.3	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0671863
Lab Number: L2435728
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435728-05
Client ID: SV-DUP-20240624-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 06/24/24 13:53
Date Received: 06/24/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	99		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	99		60-140

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0671863
Lab Number: L2435728
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435728-06
Client ID: SV-05-20240624-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 06/24/24 14:40
Date Received: 06/24/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 07/03/24 01:54
Analyst: JMB

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.356	0.200	--	1.76	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.73	1.00	--	4.11	2.38	--		1
Trichlorofluoromethane	0.289	0.200	--	1.62	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	0.384	0.200	--	1.52	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0671863
Lab Number: L2435728
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435728-06
Client ID: SV-05-20240624-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 06/24/24 14:40
Date Received: 06/24/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	0.980	0.500	--	2.89	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.333	0.200	--	1.06	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	112	0.200	--	602	1.07	--	E	1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0671863
Lab Number: L2435728
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435728-06
Client ID: SV-05-20240624-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 06/24/24 14:40
Date Received: 06/24/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	98		60-140

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0671863
Lab Number: L2435728
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435728-06 D
Client ID: SV-05-20240624-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 06/24/24 14:40
Date Received: 06/24/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 07/03/24 07:33
Analyst: JMB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	115	0.667	--	618	3.58	--		3.333

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	102		60-140
Bromochloromethane	102		60-140
chlorobenzene-d5	99		60-140

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0671863
Lab Number: L2435728
Report Date: 07/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 07/02/24 15:06

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-06 Batch: WG1942475-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0671863
Lab Number: L2435728
Report Date: 07/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 07/02/24 15:06

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-06 Batch: WG1942475-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0671863
Lab Number: L2435728
Report Date: 07/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 07/02/24 15:06

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-06 Batch: WG1942475-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: CHEEKTOWAGA - DANAHER

Project Number: 0671863

Lab Number: L2435728

Report Date: 07/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 Batch: WG1942475-3								
Dichlorodifluoromethane	77		-		70-130	-		
Chloromethane	87		-		70-130	-		
Freon-114	102		-		70-130	-		
Vinyl chloride	91		-		70-130	-		
1,3-Butadiene	107		-		70-130	-		
Bromomethane	97		-		70-130	-		
Chloroethane	94		-		70-130	-		
Ethanol	87		-		40-160	-		
Vinyl bromide	86		-		70-130	-		
Acetone	82		-		40-160	-		
Trichlorofluoromethane	87		-		70-130	-		
Isopropanol	72		-		40-160	-		
1,1-Dichloroethene	89		-		70-130	-		
Tertiary butyl Alcohol	94		-		70-130	-		
Methylene chloride	105		-		70-130	-		
3-Chloropropene	85		-		70-130	-		
Carbon disulfide	92		-		70-130	-		
Freon-113	92		-		70-130	-		
trans-1,2-Dichloroethene	82		-		70-130	-		
1,1-Dichloroethane	82		-		70-130	-		
Methyl tert butyl ether	94		-		70-130	-		
2-Butanone	76		-		70-130	-		
cis-1,2-Dichloroethene	86		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: CHEEKTOWAGA - DANAHER

Project Number: 0671863

Lab Number: L2435728

Report Date: 07/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 Batch: WG1942475-3								
Ethyl Acetate	91		-		70-130	-		
Chloroform	94		-		70-130	-		
Tetrahydrofuran	76		-		70-130	-		
1,2-Dichloroethane	85		-		70-130	-		
n-Hexane	105		-		70-130	-		
1,1,1-Trichloroethane	95		-		70-130	-		
Benzene	101		-		70-130	-		
Carbon tetrachloride	101		-		70-130	-		
Cyclohexane	103		-		70-130	-		
1,2-Dichloropropane	88		-		70-130	-		
Bromodichloromethane	104		-		70-130	-		
1,4-Dioxane	93		-		70-130	-		
Trichloroethene	94		-		70-130	-		
2,2,4-Trimethylpentane	105		-		70-130	-		
Heptane	88		-		70-130	-		
cis-1,3-Dichloropropene	109		-		70-130	-		
4-Methyl-2-pentanone	88		-		70-130	-		
trans-1,3-Dichloropropene	113		-		70-130	-		
1,1,2-Trichloroethane	94		-		70-130	-		
Toluene	74		-		70-130	-		
2-Hexanone	73		-		70-130	-		
Dibromochloromethane	84		-		70-130	-		
1,2-Dibromoethane	86		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0671863

Lab Number: L2435728
Report Date: 07/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 Batch: WG1942475-3								
Tetrachloroethene	78		-		70-130	-		
Chlorobenzene	84		-		70-130	-		
Ethylbenzene	76		-		70-130	-		
p/m-Xylene	80		-		70-130	-		
Bromoform	83		-		70-130	-		
Styrene	86		-		70-130	-		
1,1,2,2-Tetrachloroethane	90		-		70-130	-		
o-Xylene	83		-		70-130	-		
4-Ethyltoluene	85		-		70-130	-		
1,3,5-Trimethylbenzene	93		-		70-130	-		
1,2,4-Trimethylbenzene	94		-		70-130	-		
Benzyl chloride	88		-		70-130	-		
1,3-Dichlorobenzene	92		-		70-130	-		
1,4-Dichlorobenzene	88		-		70-130	-		
1,2-Dichlorobenzene	87		-		70-130	-		
1,2,4-Trichlorobenzene	93		-		70-130	-		
Naphthalene	84		-		70-130	-		
Hexachlorobutadiene	94		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0671863

Lab Number: L2435728
Report Date: 07/08/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1942475-5 QC Sample: L2435728-05 Client ID: SV-DUP-20240624-01						
Dichlorodifluoromethane	0.423	0.432	ppbV	2		25
Chloromethane	ND	ND	ppbV	NC		25
Freon-114	ND	ND	ppbV	NC		25
Vinyl chloride	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	ND	ND	ppbV	NC		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	1.74	1.78	ppbV	2		25
Trichlorofluoromethane	0.313	0.298	ppbV	5		25
Isopropanol	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Tertiary butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	0.608	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0671863

Lab Number: L2435728
Report Date: 07/08/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1942475-5 QC Sample: L2435728-05 Client ID: SV-DUP-20240624-01						
2-Butanone	ND	ND	ppbV	NC		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
Ethyl Acetate	ND	ND	ppbV	NC		25
Chloroform	ND	ND	ppbV	NC		25
Tetrahydrofuran	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	ND	ND	ppbV	NC		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Benzene	ND	ND	ppbV	NC		25
Carbon tetrachloride	ND	ND	ppbV	NC		25
Cyclohexane	ND	ND	ppbV	NC		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
Trichloroethene	5.82	5.81	ppbV	0		25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC		25
Heptane	ND	ND	ppbV	NC		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
4-Methyl-2-pentanone	ND	ND	ppbV	NC		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0671863

Lab Number: L2435728
Report Date: 07/08/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1942475-5 QC Sample: L2435728-05 Client ID: SV-DUP-20240624-01						
Toluene	ND	ND	ppbV	NC		25
2-Hexanone	ND	ND	ppbV	NC		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Tetrachloroethene	ND	ND	ppbV	NC		25
Chlorobenzene	ND	ND	ppbV	NC		25
Ethylbenzene	ND	ND	ppbV	NC		25
p/m-Xylene	ND	ND	ppbV	NC		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	ND	ND	ppbV	NC		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	ND	ND	ppbV	NC		25
4-Ethyltoluene	ND	ND	ppbV	NC		25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC		25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC		25
Benzyl chloride	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC		25
Naphthalene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0671863

Lab Number: L2435728
Report Date: 07/08/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1942475-5 QC Sample: L2435728-05 Client ID: SV-DUP-20240624-01						
Hexachlorobutadiene	ND	ND	ppbV	NC		25

Project Name: CHEEKTOWAGA - DANAHER

Lab Number: L2435728

Project Number: 0671863

Report Date: 07/08/24

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2435728-01	AA-07-20240624-01	01433	Flow 5	06/20/24	473376		-	-	-	Pass	10.1	9.8	3
L2435728-01	AA-07-20240624-01	3566	6.0L Can	06/20/24	473376	L2433887-04	Pass	-29.5	-9.4	-	-	-	-
L2435728-02	SV-03-20240624-01	01546	Flow 3	06/20/24	473376		-	-	-	Pass	160	155	3
L2435728-02	SV-03-20240624-01	2935	6.0L Can	06/20/24	473376	L2433887-04	Pass	-29.5	-10.2	-	-	-	-
L2435728-03	SV-04S-20240624-01	0938	Flow 2	06/20/24	473376		-	-	-	Pass	160	158	1
L2435728-03	SV-04S-20240624-01	600	6.0L Can	06/20/24	473376	L2433887-04	Pass	-29.6	-10.3	-	-	-	-
L2435728-04	SV-04D-20240624-01	01808	Flow 1	06/20/24	473376		-	-	-	Pass	160	158	1
L2435728-04	SV-04D-20240624-01	2633	6.0L Can	06/20/24	473376	L2433987-01	Pass	-29.6	-9.2	-	-	-	-
L2435728-05	SV-DUP-20240624-01	0880	Flow 1	06/20/24	473376		-	-	-	Pass	161	161	0
L2435728-05	SV-DUP-20240624-01	3968	6.0L Can	06/20/24	473376	L2433987-01	Pass	-29.6	-9.2	-	-	-	-
L2435728-06	SV-05-20240624-01	02372	Flow 1	06/20/24	473376		-	-	-	Pass	160	154	4
L2435728-06	SV-05-20240624-01	1538	6.0L Can	06/20/24	473376	L2433987-01	Pass	-29.5	-9.3	-	-	-	-
L2435728-07	UNUSED CAN #3613	0115	Flow 1	06/20/24	473376		-	-	-	Pass	161	10.3	176
L2435728-07	UNUSED CAN #3613	3613	6.0L Can	06/20/24	473376	L2433987-01	Pass	-29.7	-29.8	-	-	-	-
L2435728-08	UNUSED CAN #1615	01724	Flow 1	06/20/24	473376		-	-	-	Pass	160	149	7

Project Name: CHEEKTOWAGA - DANAHER

Project Number: 0671863

Lab Number: L2435728

Report Date: 07/08/24

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2435728-08	UNUSED CAN #1615	1615	6.0L Can	06/20/24	473376	L2433887-04	Pass	-29.5	-29.8	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2433887

Project Number: CANISTER QC BAT **Report Date:** 07/08/24

Air Canister Certification Results

Lab ID: L2433887-04
Client ID: CAN 1818 SHELF 36
Sample Location:

Date Collected: 06/15/24 07:00
Date Received: 06/15/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 06/17/24 20:50
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2433887

Project Number: CANISTER QC BAT **Report Date:** 07/08/24

Air Canister Certification Results

Lab ID: L2433887-04
Client ID: CAN 1818 SHELF 36
Sample Location:

Date Collected: 06/15/24 07:00
Date Received: 06/15/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2433887

Project Number: CANISTER QC BAT **Report Date:** 07/08/24

Air Canister Certification Results

Lab ID: L2433887-04
Client ID: CAN 1818 SHELF 36
Sample Location:

Date Collected: 06/15/24 07:00
Date Received: 06/15/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2433887
Report Date: 07/08/24

Air Canister Certification Results

Lab ID: L2433887-04
Client ID: CAN 1818 SHELF 36
Sample Location:

Date Collected: 06/15/24 07:00
Date Received: 06/15/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2433887
Report Date: 07/08/24

Air Canister Certification Results

Lab ID: L2433887-04
Client ID: CAN 1818 SHELF 36
Sample Location:

Date Collected: 06/15/24 07:00
Date Received: 06/15/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	90		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2433887

Project Number: CANISTER QC BAT **Report Date:** 07/08/24

Air Canister Certification Results

Lab ID: L2433887-04
Client ID: CAN 1818 SHELF 36
Sample Location:

Date Collected: 06/15/24 07:00
Date Received: 06/15/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 06/17/24 20:50
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2433887
Report Date: 07/08/24

Air Canister Certification Results

Lab ID: L2433887-04
Client ID: CAN 1818 SHELF 36
Sample Location:

Date Collected: 06/15/24 07:00
Date Received: 06/15/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2433887
Report Date: 07/08/24

Air Canister Certification Results

Lab ID: L2433887-04
Client ID: CAN 1818 SHELF 36
Sample Location:

Date Collected: 06/15/24 07:00
Date Received: 06/15/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	89		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	88		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2433987

Project Number: CANISTER QC BAT **Report Date:** 07/08/24

Air Canister Certification Results

Lab ID: L2433987-01
Client ID: CAN 1945 SHELF 51
Sample Location:

Date Collected: 06/15/24 12:00
Date Received: 06/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 06/18/24 19:35
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2433987

Project Number: CANISTER QC BAT **Report Date:** 07/08/24

Air Canister Certification Results

Lab ID: L2433987-01
Client ID: CAN 1945 SHELF 51
Sample Location:

Date Collected: 06/15/24 12:00
Date Received: 06/17/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2433987
Report Date: 07/08/24

Air Canister Certification Results

Lab ID: L2433987-01
Client ID: CAN 1945 SHELF 51
Sample Location:

Date Collected: 06/15/24 12:00
Date Received: 06/17/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2433987
Report Date: 07/08/24

Air Canister Certification Results

Lab ID: L2433987-01
Client ID: CAN 1945 SHELF 51
Sample Location:

Date Collected: 06/15/24 12:00
Date Received: 06/17/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2433987
Report Date: 07/08/24

Air Canister Certification Results

Lab ID: L2433987-01
Client ID: CAN 1945 SHELF 51
Sample Location:

Date Collected: 06/15/24 12:00
Date Received: 06/17/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Unknown	1.7	J	ppbV		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	94		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2433987

Project Number: CANISTER QC BAT **Report Date:** 07/08/24

Air Canister Certification Results

Lab ID: L2433987-01
Client ID: CAN 1945 SHELF 51
Sample Location:

Date Collected: 06/15/24 12:00
Date Received: 06/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 06/18/24 19:35
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2433987

Project Number: CANISTER QC BAT **Report Date:** 07/08/24

Air Canister Certification Results

Lab ID: L2433987-01
Client ID: CAN 1945 SHELF 51
Sample Location:

Date Collected: 06/15/24 12:00
Date Received: 06/17/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2433987
Report Date: 07/08/24

Air Canister Certification Results

Lab ID: L2433987-01
Client ID: CAN 1945 SHELF 51
Sample Location:

Date Collected: 06/15/24 12:00
Date Received: 06/17/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	94		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	94		60-140

Project Name: CHEEKTOWAGA - DANAHER
Project Number: 0671863

Lab Number: L2435728
Report Date: 07/08/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2435728-01A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2435728-02A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2435728-03A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2435728-04A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2435728-05A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2435728-06A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2435728-07A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		CLEAN-FEE()
L2435728-08A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		CLEAN-FEE()

*Values in parentheses indicate holding time in days

Project Name:	CHEEKTOWAGA - DANAHER	**Lab Number:**	L2435728
Project Number:	0671863	**Report Date:**	07/08/24

GLOSSARY

Acronyms

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

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

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

EPA - Environmental Protection Agency.

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

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

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

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

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

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

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

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

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

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

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

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

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

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

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

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

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

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

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

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

Report Format: Data Usability Report

Project Name:	CHEEKTOWAGA - DANAHER	**Lab Number:**	L2435728
Project Number:	0671863	**Report Date:**	07/08/24

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

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

Report Format: Data Usability Report

Project Name:	CHEEKTOWAGA - DANAHER	**Lab Number:**	L2435728
Project Number:	0671863	**Report Date:**	07/08/24

Data Qualifiers

ND - Not detected at the reporting limit (RL) for the sample.

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Report Format: Data Usability Report

Project Name:	CHEEKTOWAGA - DANAHER	**Lab Number:**	L2435728
Project Number:	0671863	**Report Date:**	07/08/24

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

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

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

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

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

Mansfield Facility:

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

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

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

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

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

Date Rec'd in Lab: 6/26/24

ALPHA Job #: L2435728

Client Information

Client: ERM

Address: 5784 Widewaters Pkwy
Syracuse, NY 13214

Phone: 315-445-2514

Fax: edd@erm.com

Email: kevin.warner@erm.com
tim.daniluk@erm.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Cheektowaga - Dunkirk

Project Location: Cheektowaga, NY

Project #: 0671863

Project Manager: Tim Daniluk

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: Time:

Report Information - Data Deliverables

☐ FAX

☒ ADEx

Criteria Checker:

(Default based on Regulatory Criteria Indicated)

Other Formats: ASP CAT B

☒ EMAIL (standard pdf report) Level IV

☒ Additional Deliverables: ERM EQUIS EDD

Report to: (if different than Project Manager)

Billing Information

☒ Same as Client info PO #: 0671863

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments: Olivia.botting@erm.com

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	ANALYSIS TO-15	TO-15 SIM	APH (select Non-petroleum HCs ☐)	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
35728-01	AA-07-20240624-01	6/24/24	0919	1613	-28.96	-8.81	AA	OB	6L	3566	01453	X					
-02	SV-03-20240624-01		1045	1112	-28.59	-8.42	SV	OB	6L	2935	01546	X					
-03	SV-04S-20240624-01		1147	1213	-29.45	-8.26	SV	OB	6L	600	0938	X					
-04	SV-04D-20240624-01		1327	1352	-29.18	-8.35	SV	OB	6L	2633	01808	X					
-05	SV-DUP-20240624-01		1327	1353	-28.99	-8.30	SV	OB	6L	3968	0880	X					
-06	SV-05-20240624-01		1414	1440	-28.97	-8.25	SV	OB	6L	~~0357~~ 1533 (OB)	02372						

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type: CC

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
Olivia Botting	6/24/24 1800	PACE	6/24/24 18:00
B. Mendoza AAL	6/26/24 0700	B. Mendoza AAL	6/26/24 0700
	6/24/24 0700		6/26/24 0700

ANALYTICAL REPORT

Lab Number:	L2452890
Client:	ERM, Inc. 5784 Wide Waters Parkway Syracuse, NY 13214
ATTN:	Tim Daniluk
Phone:	(315) 445-2553
Project Name:	DANAHER - CHEEKTOWAGA
Project Number:	0671863.07
Report Date:	09/24/24

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0825), DoD (L2474), FL (E87814), IL (200081), IN (C-MA-04), KY (KY98046), LA (85084), ME (MA00030), MD (350), MI (9110), MN (025-999-495), NJ (MA015), NY (11627), NC (685), OR (MA-0262), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #525-23-107-88708A1), USFWS (Permit #A24920).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0671863.07

Lab Number: L2452890
Report Date: 09/24/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2452890-01	AA-08-20240913-01	AIR	CHEEKTOWAGA, NY	09/13/24 14:42	09/13/24
L2452890-02	SV-03-20240913-01	SOIL_VAPOR	CHEEKTOWAGA, NY	09/13/24 09:20	09/13/24
L2452890-03	SV-05-20240913-01	SOIL_VAPOR	CHEEKTOWAGA, NY	09/13/24 10:30	09/13/24
L2452890-04	SV-04S-20240913-01	SOIL_VAPOR	CHEEKTOWAGA, NY	09/13/24 11:03	09/13/24
L2452890-05	SV-04D-20240913-01	SOIL_VAPOR	CHEEKTOWAGA, NY	09/13/24 11:51	09/13/24
L2452890-06	SV-DUP-20240913-01	SOIL_VAPOR	CHEEKTOWAGA, NY	09/13/24 11:51	09/13/24
L2452890-07	UNUSED CAN #3308	SOIL_VAPOR	CHEEKTOWAGA, NY	09/13/24 00:00	09/13/24
L2452890-08	UNUSED CAN #3968	AIR	CHEEKTOWAGA, NY	09/13/24 00:00	09/13/24

Project Name:	DANAHER - CHEEKTOWAGA	**Lab Number:**	L2452890
Project Number:	0671863.07	**Report Date:**	09/24/24

Case Narrative

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

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

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

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

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

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

Project Name:	DANAHER - CHEEKTOWAGA	**Lab Number:**	L2452890
Project Number:	0671863.07	**Report Date:**	09/24/24

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on September 11, 2024. The canister certification data is provided as an addendum.

L2452890-03: The sample was re-analyzed on dilution in order to quantitate the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

L2452890-04D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

WG1974653-3:The quality control sample LCS, associated with WG1974653-3, did not meet the acceptance criteria for the full scan analysis. The associated compound(s) for those samples were reported from the SIM analysis. WG1974814-3:The quality control sample [CCAL or LCS], associated with WG1974814-3, did not meet the acceptance criteria for the method. The associated samples were re-run with acceptable method criteria for those compound(s). The WG1974848-3 LCS recovery for 1,3-butadiene (141%), dichlorofluoromethane (65%), n-hexane (141%), cyclohexane (143%), bromodichloromethane (148%), 1,4-dioxane (146%), 2,2,4-trimethylpentane (139%) associated with L2452890-04D, is above the upper 130% acceptance limit. All samples associated with this LCS do not have reportable amounts of this analyte.

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

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 09/24/24

AIR

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0671863.07
Lab Number: L2452890
Report Date: 09/24/24

SAMPLE RESULTS

Lab ID: L2452890-01
Client ID: AA-08-20240913-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 09/13/24 14:42
Date Received: 09/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 09/20/24 19:20
Analyst: KJD

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.464	0.200	--	2.29	0.989	--		1
Chloromethane	0.605	0.200	--	1.25	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.39	1.00	--	10.4	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0671863.07
Lab Number: L2452890
Report Date: 09/24/24

SAMPLE RESULTS

Lab ID: L2452890-01
Client ID: AA-08-20240913-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 09/13/24 14:42
Date Received: 09/13/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	1.40	0.500	--	4.13	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.394	0.200	--	1.48	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0671863.07
Lab Number: L2452890
Report Date: 09/24/24

SAMPLE RESULTS

Lab ID: L2452890-01
Client ID: AA-08-20240913-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 09/13/24 14:42
Date Received: 09/13/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	94		60-140

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0671863.07
Lab Number: L2452890
Report Date: 09/24/24

SAMPLE RESULTS

Lab ID: L2452890-02
Client ID: SV-03-20240913-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 09/13/24 09:20
Date Received: 09/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 09/23/24 09:18
Analyst: KJD

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.601	0.200	--	2.97	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.88	1.00	--	4.47	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0671863.07
Lab Number: L2452890
Report Date: 09/24/24

SAMPLE RESULTS

Lab ID: L2452890-02
Client ID: SV-03-20240913-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 09/13/24 09:20
Date Received: 09/13/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0671863.07
Lab Number: L2452890
Report Date: 09/24/24

SAMPLE RESULTS

Lab ID: L2452890-02
Client ID: SV-03-20240913-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 09/13/24 09:20
Date Received: 09/13/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	92		60-140

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0671863.07
Lab Number: L2452890
Report Date: 09/24/24

SAMPLE RESULTS

Lab ID: L2452890-03
Client ID: SV-05-20240913-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 09/13/24 10:30
Date Received: 09/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 09/21/24 20:41
Analyst: KJD

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.472	0.200	--	2.33	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.10	1.00	--	2.61	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	1.36	0.200	--	5.39	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0671863.07
Lab Number: L2452890
Report Date: 09/24/24

SAMPLE RESULTS

Lab ID: L2452890-03
Client ID: SV-05-20240913-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 09/13/24 10:30
Date Received: 09/13/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.272	0.200	--	1.33	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.306	0.200	--	1.08	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	198	0.200	--	1060	1.07	--	E	1
2,2,4-Trimethylpentane	5.66	0.200	--	26.4	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0671863.07
Lab Number: L2452890
Report Date: 09/24/24

SAMPLE RESULTS

Lab ID: L2452890-03
Client ID: SV-05-20240913-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 09/13/24 10:30
Date Received: 09/13/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	86		60-140

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0671863.07
Lab Number: L2452890
Report Date: 09/24/24

SAMPLE RESULTS

Lab ID: L2452890-03
Client ID: SV-05-20240913-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 09/13/24 10:30
Date Received: 09/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 09/21/24 20:41
Analyst: KJD

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	87		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	86		60-140

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0671863.07
Lab Number: L2452890
Report Date: 09/24/24

SAMPLE RESULTS

Lab ID: L2452890-03 D
Client ID: SV-05-20240913-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 09/13/24 10:30
Date Received: 09/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 09/22/24 06:54
Analyst: KJD

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	168	2.00	--	903	10.7	--		10

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	91		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	90		60-140

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0671863.07
Lab Number: L2452890
Report Date: 09/24/24

SAMPLE RESULTS

Lab ID: L2452890-04
Client ID: SV-04S-20240913-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 09/13/24 11:03
Date Received: 09/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 09/21/24 19:24
Analyst: KJD

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.473	0.200	--	2.34	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.86	1.00	--	4.42	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	5.63	0.200	--	22.3	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0671863.07
Lab Number: L2452890
Report Date: 09/24/24

SAMPLE RESULTS

Lab ID: L2452890-04
Client ID: SV-04S-20240913-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 09/13/24 11:03
Date Received: 09/13/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	1.74	0.200	--	8.50	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	772	0.200	--	4150	1.07	--	E	1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.237	0.200	--	1.61	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0671863.07
Lab Number: L2452890
Report Date: 09/24/24

SAMPLE RESULTS

Lab ID: L2452890-04
Client ID: SV-04S-20240913-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 09/13/24 11:03
Date Received: 09/13/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	90		60-140

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0671863.07
Lab Number: L2452890
Report Date: 09/24/24

SAMPLE RESULTS

Lab ID: L2452890-04
Client ID: SV-04S-20240913-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 09/13/24 11:03
Date Received: 09/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 09/21/24 19:24
Analyst: KJD

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	86		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	89		60-140

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0671863.07
Lab Number: L2452890
Report Date: 09/24/24

SAMPLE RESULTS

Lab ID: L2452890-04 D
Client ID: SV-04S-20240913-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 09/13/24 11:03
Date Received: 09/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 09/22/24 22:59
Analyst: KJD

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	2010	6.39	--	10800	34.3	--		31.97

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	98		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	97		60-140

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0671863.07
Lab Number: L2452890
Report Date: 09/24/24

SAMPLE RESULTS

Lab ID: L2452890-05
Client ID: SV-04D-20240913-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 09/13/24 11:51
Date Received: 09/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 09/21/24 21:20
Analyst: KJD

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.469	0.200	--	2.32	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	14.7	5.00	--	27.7	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.57	1.00	--	3.73	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	0.574	0.500	--	1.41	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0671863.07
Lab Number: L2452890
Report Date: 09/24/24

SAMPLE RESULTS

Lab ID: L2452890-05
Client ID: SV-04D-20240913-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 09/13/24 11:51
Date Received: 09/13/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	8.47	0.200	--	45.5	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0671863.07
Lab Number: L2452890
Report Date: 09/24/24

SAMPLE RESULTS

Lab ID: L2452890-05
Client ID: SV-04D-20240913-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 09/13/24 11:51
Date Received: 09/13/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	87		60-140

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0671863.07
Lab Number: L2452890
Report Date: 09/24/24

SAMPLE RESULTS

Lab ID: L2452890-05
Client ID: SV-04D-20240913-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 09/13/24 11:51
Date Received: 09/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 09/21/24 21:20
Analyst: KJD

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	87		60-140
bromochloromethane	94		60-140
chlorobenzene-d5	86		60-140

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0671863.07
Lab Number: L2452890
Report Date: 09/24/24

SAMPLE RESULTS

Lab ID: L2452890-06
Client ID: SV-DUP-20240913-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 09/13/24 11:51
Date Received: 09/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 09/21/24 21:58
Analyst: KJD

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.464	0.200	--	2.29	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.45	1.00	--	5.82	2.38	--		1
Trichlorofluoromethane	0.217	0.200	--	1.22	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	2.73	0.500	--	8.28	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	2.83	0.500	--	8.35	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0671863.07
Lab Number: L2452890
Report Date: 09/24/24

SAMPLE RESULTS

Lab ID: L2452890-06
Client ID: SV-DUP-20240913-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 09/13/24 11:51
Date Received: 09/13/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	9.29	0.200	--	49.9	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0671863.07
Lab Number: L2452890
Report Date: 09/24/24

SAMPLE RESULTS

Lab ID: L2452890-06
Client ID: SV-DUP-20240913-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 09/13/24 11:51
Date Received: 09/13/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	87		60-140

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0671863.07
Lab Number: L2452890
Report Date: 09/24/24

SAMPLE RESULTS

Lab ID: L2452890-06
Client ID: SV-DUP-20240913-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 09/13/24 11:51
Date Received: 09/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 09/21/24 21:58
Analyst: KJD

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	88		60-140
bromochloromethane	94		60-140
chlorobenzene-d5	86		60-140

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0671863.07
Lab Number: L2452890
Report Date: 09/24/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 09/21/24 15:35

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 03-06 Batch: WG1974653-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1

Project Name: DANAHER - CHEEKTOWAGA **Lab Number:** L2452890

Project Number: 0671863.07 **Report Date:** 09/24/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 09/21/24 15:35

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 03-06 Batch: WG1974653-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0671863.07
Lab Number: L2452890
Report Date: 09/24/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 09/21/24 15:35

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 03-06 Batch: WG1974653-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0671863.07
Lab Number: L2452890
Report Date: 09/24/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 09/20/24 17:22

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1974814-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0671863.07
Lab Number: L2452890
Report Date: 09/24/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 09/20/24 17:22

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1974814-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0671863.07
Lab Number: L2452890
Report Date: 09/24/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 09/20/24 17:22

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1974814-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0671863.07
Lab Number: L2452890
Report Date: 09/24/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 09/22/24 16:40

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 02 Batch: WG1974841-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1

Project Name: DANAHER - CHEEKTOWAGA **Lab Number:** L2452890

Project Number: 0671863.07 **Report Date:** 09/24/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 09/22/24 16:40

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 02 Batch: WG1974841-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0671863.07
Lab Number: L2452890
Report Date: 09/24/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 09/22/24 16:40

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 02 Batch: WG1974841-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0671863.07
Lab Number: L2452890
Report Date: 09/24/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 09/22/24 18:52

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 04 Batch: WG1974848-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1

Project Name: DANAHER - CHEEKTOWAGA **Lab Number:** L2452890

Project Number: 0671863.07 **Report Date:** 09/24/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 09/22/24 18:52

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 04 Batch: WG1974848-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0671863.07
Lab Number: L2452890
Report Date: 09/24/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 09/22/24 18:52

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 04 Batch: WG1974848-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0671863.07
Lab Number: L2452890
Report Date: 09/24/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 09/21/24 16:13

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 03-06 Batch: WG1975017-4								
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0671863.07

Lab Number: L2452890
Report Date: 09/24/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 03-06 Batch: WG1974653-3								
Dichlorodifluoromethane	104		-		70-130	-		
Chloromethane	101		-		70-130	-		
Freon-114	113		-		70-130	-		
Vinyl chloride	109		-		70-130	-		
1,3-Butadiene	119		-		70-130	-		
Bromomethane	108		-		70-130	-		
Chloroethane	104		-		70-130	-		
Ethanol	113		-		40-160	-		
Vinyl bromide	95		-		70-130	-		
Acetone	98		-		40-160	-		
Trichlorofluoromethane	104		-		70-130	-		
Isopropanol	86		-		40-160	-		
1,1-Dichloroethene	107		-		70-130	-		
Tertiary butyl Alcohol	80		-		70-130	-		
Methylene chloride	105		-		70-130	-		
3-Chloropropene	106		-		70-130	-		
Carbon disulfide	105		-		70-130	-		
Freon-113	101		-		70-130	-		
trans-1,2-Dichloroethene	98		-		70-130	-		
1,1-Dichloroethane	102		-		70-130	-		
Methyl tert butyl ether	89		-		70-130	-		
2-Butanone	94		-		70-130	-		
cis-1,2-Dichloroethene	104		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: DANAHER - CHEEKTOWAGA

Project Number: 0671863.07

Lab Number: L2452890

Report Date: 09/24/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 03-06 Batch: WG1974653-3								
Ethyl Acetate	108		-		70-130	-		
Chloroform	105		-		70-130	-		
Tetrahydrofuran	95		-		70-130	-		
1,2-Dichloroethane	102		-		70-130	-		
n-Hexane	112		-		70-130	-		
1,1,1-Trichloroethane	105		-		70-130	-		
Benzene	108		-		70-130	-		
Carbon tetrachloride	116		-		70-130	-		
Cyclohexane	113		-		70-130	-		
1,2-Dichloropropane	107		-		70-130	-		
Bromodichloromethane	117		-		70-130	-		
1,4-Dioxane	110		-		70-130	-		
Trichloroethene	106		-		70-130	-		
2,2,4-Trimethylpentane	112		-		70-130	-		
Heptane	107		-		70-130	-		
cis-1,3-Dichloropropene	113		-		70-130	-		
4-Methyl-2-pentanone	105		-		70-130	-		
trans-1,3-Dichloropropene	113		-		70-130	-		
1,1,2-Trichloroethane	106		-		70-130	-		
Toluene	90		-		70-130	-		
2-Hexanone	112		-		70-130	-		
Dibromochloromethane	113		-		70-130	-		
1,2-Dibromoethane	104		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: DANAHER - CHEEKTOWAGA

Project Number: 0671863.07

Lab Number: L2452890

Report Date: 09/24/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 03-06 Batch: WG1974653-3								
Tetrachloroethene	98		-		70-130	-		
Chlorobenzene	105		-		70-130	-		
Ethylbenzene	97		-		70-130	-		
p/m-Xylene	100		-		70-130	-		
Bromoform	113		-		70-130	-		
Styrene	104		-		70-130	-		
1,1,2,2-Tetrachloroethane	110		-		70-130	-		
o-Xylene	102		-		70-130	-		
4-Ethyltoluene	102		-		70-130	-		
1,3,5-Trimethylbenzene	106		-		70-130	-		
1,2,4-Trimethylbenzene	107		-		70-130	-		
Benzyl chloride	101		-		70-130	-		
1,3-Dichlorobenzene	108		-		70-130	-		
1,4-Dichlorobenzene	107		-		70-130	-		
1,2-Dichlorobenzene	106		-		70-130	-		
1,2,4-Trichlorobenzene	78		-		70-130	-		
Naphthalene	71		-		70-130	-		
Hexachlorobutadiene	**60**	Q	-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: DANAHER - CHEEKTOWAGA

Project Number: 0671863.07

Lab Number: L2452890

Report Date: 09/24/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1974814-3								
Dichlorodifluoromethane	86		-		70-130	-		
Chloromethane	110		-		70-130	-		
Freon-114	105		-		70-130	-		
Vinyl chloride	83		-		70-130	-		
1,3-Butadiene	108		-		70-130	-		
Bromomethane	92		-		70-130	-		
Chloroethane	85		-		70-130	-		
Ethanol	86		-		40-160	-		
Vinyl bromide	94		-		70-130	-		
Acetone	95		-		40-160	-		
Trichlorofluoromethane	80		-		70-130	-		
Isopropanol	97		-		40-160	-		
1,1-Dichloroethene	95		-		70-130	-		
Tertiary butyl Alcohol	81		-		70-130	-		
Methylene chloride	109		-		70-130	-		
3-Chloropropene	120		-		70-130	-		
Carbon disulfide	111		-		70-130	-		
Freon-113	109		-		70-130	-		
trans-1,2-Dichloroethene	92		-		70-130	-		
1,1-Dichloroethane	98		-		70-130	-		
Methyl tert butyl ether	110		-		70-130	-		
2-Butanone	120		-		70-130	-		
cis-1,2-Dichloroethene	95		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0671863.07

Lab Number: L2452890
Report Date: 09/24/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1974814-3								
Ethyl Acetate	98		-		70-130	-		
Chloroform	95		-		70-130	-		
Tetrahydrofuran	121		-		70-130	-		
1,2-Dichloroethane	90		-		70-130	-		
n-Hexane	91		-		70-130	-		
1,1,1-Trichloroethane	104		-		70-130	-		
Benzene	104		-		70-130	-		
Carbon tetrachloride	103		-		70-130	-		
Cyclohexane	92		-		70-130	-		
1,2-Dichloropropane	104		-		70-130	-		
Bromodichloromethane	104		-		70-130	-		
1,4-Dioxane	103		-		70-130	-		
Trichloroethene	104		-		70-130	-		
2,2,4-Trimethylpentane	91		-		70-130	-		
Heptane	130		-		70-130	-		
cis-1,3-Dichloropropene	117		-		70-130	-		
4-Methyl-2-pentanone	**131**	Q	-		70-130	-		
trans-1,3-Dichloropropene	120		-		70-130	-		
1,1,2-Trichloroethane	110		-		70-130	-		
Toluene	116		-		70-130	-		
2-Hexanone	**151**	Q	-		70-130	-		
Dibromochloromethane	**139**	Q	-		70-130	-		
1,2-Dibromoethane	**136**	Q	-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: DANAHER - CHEEKTOWAGA

Project Number: 0671863.07

Lab Number: L2452890

Report Date: 09/24/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1974814-3								
Tetrachloroethene	121		-		70-130	-		
Chlorobenzene	126		-		70-130	-		
Ethylbenzene	117		-		70-130	-		
p/m-Xylene	118		-		70-130	-		
Bromoform	**145**	Q	-		70-130	-		
Styrene	**136**	Q	-		70-130	-		
1,1,2,2-Tetrachloroethane	120		-		70-130	-		
o-Xylene	120		-		70-130	-		
4-Ethyltoluene	**133**	Q	-		70-130	-		
1,3,5-Trimethylbenzene	**135**	Q	-		70-130	-		
1,2,4-Trimethylbenzene	123		-		70-130	-		
Benzyl chloride	113		-		70-130	-		
1,3-Dichlorobenzene	129		-		70-130	-		
1,4-Dichlorobenzene	**134**	Q	-		70-130	-		
1,2-Dichlorobenzene	128		-		70-130	-		
1,2,4-Trichlorobenzene	**132**	Q	-		70-130	-		
Naphthalene	120		-		70-130	-		
Hexachlorobutadiene	120		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0671863.07

Lab Number: L2452890
Report Date: 09/24/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 02 Batch: WG1974841-3								
Dichlorodifluoromethane	108		-		70-130	-		
Chloromethane	106		-		70-130	-		
Freon-114	117		-		70-130	-		
Vinyl chloride	110		-		70-130	-		
1,3-Butadiene	123		-		70-130	-		
Bromomethane	108		-		70-130	-		
Chloroethane	105		-		70-130	-		
Ethanol	110		-		40-160	-		
Vinyl bromide	96		-		70-130	-		
Acetone	101		-		40-160	-		
Trichlorofluoromethane	106		-		70-130	-		
Isopropanol	88		-		40-160	-		
1,1-Dichloroethene	109		-		70-130	-		
Tertiary butyl Alcohol	82		-		70-130	-		
Methylene chloride	107		-		70-130	-		
3-Chloropropene	108		-		70-130	-		
Carbon disulfide	107		-		70-130	-		
Freon-113	104		-		70-130	-		
trans-1,2-Dichloroethene	101		-		70-130	-		
1,1-Dichloroethane	104		-		70-130	-		
Methyl tert butyl ether	91		-		70-130	-		
2-Butanone	96		-		70-130	-		
cis-1,2-Dichloroethene	106		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0671863.07

Lab Number: L2452890
Report Date: 09/24/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 02 Batch: WG1974841-3								
Ethyl Acetate	110		-		70-130	-		
Chloroform	108		-		70-130	-		
Tetrahydrofuran	96		-		70-130	-		
1,2-Dichloroethane	104		-		70-130	-		
n-Hexane	114		-		70-130	-		
1,1,1-Trichloroethane	107		-		70-130	-		
Benzene	110		-		70-130	-		
Carbon tetrachloride	119		-		70-130	-		
Cyclohexane	114		-		70-130	-		
1,2-Dichloropropane	108		-		70-130	-		
Bromodichloromethane	119		-		70-130	-		
1,4-Dioxane	111		-		70-130	-		
Trichloroethene	107		-		70-130	-		
2,2,4-Trimethylpentane	114		-		70-130	-		
Heptane	108		-		70-130	-		
cis-1,3-Dichloropropene	115		-		70-130	-		
4-Methyl-2-pentanone	107		-		70-130	-		
trans-1,3-Dichloropropene	116		-		70-130	-		
1,1,2-Trichloroethane	108		-		70-130	-		
Toluene	92		-		70-130	-		
2-Hexanone	115		-		70-130	-		
Dibromochloromethane	117		-		70-130	-		
1,2-Dibromoethane	108		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: DANAHER - CHEEKTOWAGA

Project Number: 0671863.07

Lab Number: L2452890

Report Date: 09/24/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 02 Batch: WG1974841-3								
Tetrachloroethene	100		-		70-130	-		
Chlorobenzene	106		-		70-130	-		
Ethylbenzene	100		-		70-130	-		
p/m-Xylene	102		-		70-130	-		
Bromoform	116		-		70-130	-		
Styrene	107		-		70-130	-		
1,1,2,2-Tetrachloroethane	113		-		70-130	-		
o-Xylene	104		-		70-130	-		
4-Ethyltoluene	104		-		70-130	-		
1,3,5-Trimethylbenzene	107		-		70-130	-		
1,2,4-Trimethylbenzene	108		-		70-130	-		
Benzyl chloride	102		-		70-130	-		
1,3-Dichlorobenzene	109		-		70-130	-		
1,4-Dichlorobenzene	110		-		70-130	-		
1,2-Dichlorobenzene	106		-		70-130	-		
1,2,4-Trichlorobenzene	105		-		70-130	-		
Naphthalene	94		-		70-130	-		
Hexachlorobutadiene	106		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0671863.07

Lab Number: L2452890
Report Date: 09/24/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 04 Batch: WG1974848-3								
Dichlorodifluoromethane	107		-		70-130	-		
Chloromethane	110		-		70-130	-		
Freon-114	116		-		70-130	-		
Vinyl chloride	124		-		70-130	-		
1,3-Butadiene	**141**	Q	-		70-130	-		
Bromomethane	114		-		70-130	-		
Chloroethane	77		-		70-130	-		
Ethanol	94		-		40-160	-		
Vinyl bromide	75		-		70-130	-		
Acetone	108		-		40-160	-		
Trichlorofluoromethane	90		-		70-130	-		
Isopropanol	108		-		40-160	-		
1,1-Dichloroethene	91		-		70-130	-		
Tertiary butyl Alcohol	89		-		70-130	-		
Methylene chloride	111		-		70-130	-		
3-Chloropropene	86		-		70-130	-		
Carbon disulfide	80		-		70-130	-		
Freon-113	83		-		70-130	-		
trans-1,2-Dichloroethene	86		-		70-130	-		
1,1-Dichloroethane	79		-		70-130	-		
Methyl tert butyl ether	82		-		70-130	-		
2-Butanone	85		-		70-130	-		
cis-1,2-Dichloroethene	86		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0671863.07

Lab Number: L2452890
Report Date: 09/24/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 04 Batch: WG1974848-3								
Ethyl Acetate	92		-		70-130	-		
Chloroform	104		-		70-130	-		
Tetrahydrofuran	83		-		70-130	-		
1,2-Dichloroethane	87		-		70-130	-		
n-Hexane	**141**	Q	-		70-130	-		
1,1,1-Trichloroethane	122		-		70-130	-		
Benzene	117		-		70-130	-		
Carbon tetrachloride	120		-		70-130	-		
Cyclohexane	**143**	Q	-		70-130	-		
1,2-Dichloropropane	103		-		70-130	-		
Bromodichloromethane	**148**	Q	-		70-130	-		
1,4-Dioxane	**146**	Q	-		70-130	-		
Trichloroethene	124		-		70-130	-		
2,2,4-Trimethylpentane	**139**	Q	-		70-130	-		
Heptane	121		-		70-130	-		
cis-1,3-Dichloropropene	115		-		70-130	-		
4-Methyl-2-pentanone	123		-		70-130	-		
trans-1,3-Dichloropropene	120		-		70-130	-		
1,1,2-Trichloroethane	112		-		70-130	-		
Toluene	93		-		70-130	-		
2-Hexanone	88		-		70-130	-		
Dibromochloromethane	105		-		70-130	-		
1,2-Dibromoethane	76		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0671863.07

Lab Number: L2452890
Report Date: 09/24/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 04 Batch: WG1974848-3								
Tetrachloroethene	79		-		70-130	-		
Chlorobenzene	78		-		70-130	-		
Ethylbenzene	92		-		70-130	-		
p/m-Xylene	98		-		70-130	-		
Bromoform	97		-		70-130	-		
Styrene	76		-		70-130	-		
1,1,2,2-Tetrachloroethane	102		-		70-130	-		
o-Xylene	99		-		70-130	-		
4-Ethyltoluene	80		-		70-130	-		
1,3,5-Trimethylbenzene	87		-		70-130	-		
1,2,4-Trimethylbenzene	84		-		70-130	-		
Benzyl chloride	105		-		70-130	-		
1,3-Dichlorobenzene	82		-		70-130	-		
1,4-Dichlorobenzene	84		-		70-130	-		
1,2-Dichlorobenzene	78		-		70-130	-		
1,2,4-Trichlorobenzene	90		-		70-130	-		
Naphthalene	85		-		70-130	-		
Hexachlorobutadiene	85		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: DANAHER - CHEEKTOWAGA

Project Number: 0671863.07

Lab Number: L2452890

Report Date: 09/24/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab	Associated sample(s): 03-06		Batch: WG1975017-3					
Hexachlorobutadiene	105		-		70-130	-		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0671863.07

Lab Number: L2452890
Report Date: 09/24/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 03-06 QC Batch ID: WG1975017-5 QC Sample: L2452890-04 Client ID: SV-04S-20240913-01						
Hexachlorobutadiene	ND	ND	ppbV	NC		25

Project Name: DANAHER - CHEEKTOWAGA

Lab Number: L2452890

Project Number: 0671863.07

Report Date: 09/24/24

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2452890-01	AA-08-20240913-01	0904	Flow 3	09/11/24	484411		-	-	-	Pass	10.0	10.0	0
L2452890-01	AA-08-20240913-01	2123	6.0L Can	09/11/24	484411	L2450462-08	Pass	-29.5	-9.7	-	-	-	-
L2452890-02	SV-03-20240913-01	02339	Flow 1	09/11/24	484411		-	-	-	Pass	160	168	5
L2452890-02	SV-03-20240913-01	2954	6.0L Can	09/11/24	484411	L2451217-03	Pass	-29.5	-8.6	-	-	-	-
L2452890-03	SV-05-20240913-01	02366	Flow 1	09/11/24	484411		-	-	-	Pass	160	166	4
L2452890-03	SV-05-20240913-01	4330	6.0L Can	09/11/24	484411	L2450462-08	Pass	-29.6	-9.0	-	-	-	-
L2452890-04	SV-04S-20240913-01	02360	Flow 1	09/11/24	484411		-	-	-	Pass	161	162	1
L2452890-04	SV-04S-20240913-01	2623	6.0L Can	09/11/24	484411	L2451217-03	Pass	-29.2	-8.9	-	-	-	-
L2452890-05	SV-04D-20240913-01	02342	Flow 1	09/11/24	484411		-	-	-	Pass	161	160	1
L2452890-05	SV-04D-20240913-01	2940	6.0L Can	09/11/24	484411	L2450462-08	Pass	-29.5	-8.9	-	-	-	-
L2452890-06	SV-DUP-20240913-01	0976	Flow 1	09/11/24	484411		-	-	-	Pass	160	162	1
L2452890-06	SV-DUP-20240913-01	1672	6.0L Can	09/11/24	484411	L2450462-08	Pass	-29.7	-8.6	-	-	-	-
L2452890-07	UNUSED CAN #3308	02131	Flow 1	09/11/24	484411		-	-	-	Pass	160	162	1
L2452890-07	UNUSED CAN #3308	3308	6.0L Can	09/11/24	484411	L2450462-08	Pass	-29.6	-29.0	-	-	-	-
L2452890-08	UNUSED CAN #3968	02135	Flow 3	09/11/24	484411		-	-	-	Pass	10.2	10.0	2

Project Name: DANAHER - CHEEKTOWAGA

Project Number: 0671863.07

Lab Number: L2452890

Report Date: 09/24/24

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2452890-08	UNUSED CAN #3968	3968	6.0L Can	09/11/24	484411	L2450462-08	Pass	-29.5	-29.9	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2450462
Report Date: 09/24/24

Air Canister Certification Results

Lab ID: L2450462-08
Client ID: CAN 1664 SHELF 35
Sample Location:

Date Collected: 09/05/24 12:00
Date Received: 09/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 09/05/24 23:36
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2450462

Project Number: CANISTER QC BAT **Report Date:** 09/24/24

Air Canister Certification Results

Lab ID: L2450462-08
Client ID: CAN 1664 SHELF 35
Sample Location:

Date Collected: 09/05/24 12:00
Date Received: 09/05/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2450462
Report Date: 09/24/24

Air Canister Certification Results

Lab ID: L2450462-08
Client ID: CAN 1664 SHELF 35
Sample Location:

Date Collected: 09/05/24 12:00
Date Received: 09/05/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2450462

Project Number: CANISTER QC BAT **Report Date:** 09/24/24

Air Canister Certification Results

Lab ID: L2450462-08
Client ID: CAN 1664 SHELF 35
Sample Location:

Date Collected: 09/05/24 12:00
Date Received: 09/05/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2450462
Report Date: 09/24/24

Air Canister Certification Results

Lab ID: L2450462-08
Client ID: CAN 1664 SHELF 35
Sample Location:

Date Collected: 09/05/24 12:00
Date Received: 09/05/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	72		60-140
Bromochloromethane	71		60-140
chlorobenzene-d5	74		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2450462
Report Date: 09/24/24

Air Canister Certification Results

Lab ID: L2450462-08
Client ID: CAN 1664 SHELF 35
Sample Location:

Date Collected: 09/05/24 12:00
Date Received: 09/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 09/05/24 23:36
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2450462
Report Date: 09/24/24

Air Canister Certification Results

Lab ID: L2450462-08
Client ID: CAN 1664 SHELF 35
Sample Location:

Date Collected: 09/05/24 12:00
Date Received: 09/05/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2450462
Report Date: 09/24/24

Air Canister Certification Results

Lab ID: L2450462-08
Client ID: CAN 1664 SHELF 35
Sample Location:

Date Collected: 09/05/24 12:00
Date Received: 09/05/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	69		60-140
bromochloromethane	68		60-140
chlorobenzene-d5	73		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2451217

Project Number: CANISTER QC BAT **Report Date:** 09/24/24

Air Canister Certification Results

Lab ID: L2451217-03
Client ID: CAN 1597 SHELF 37
Sample Location:

Date Collected: 09/07/24 07:00
Date Received: 09/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 09/07/24 18:55
Analyst: BJB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2451217

Project Number: CANISTER QC BAT **Report Date:** 09/24/24

Air Canister Certification Results

Lab ID: L2451217-03
Client ID: CAN 1597 SHELF 37
Sample Location:

Date Collected: 09/07/24 07:00
Date Received: 09/07/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2451217
Report Date: 09/24/24

Air Canister Certification Results

Lab ID: L2451217-03
Client ID: CAN 1597 SHELF 37
Sample Location:

Date Collected: 09/07/24 07:00
Date Received: 09/07/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2451217
Report Date: 09/24/24

Air Canister Certification Results

Lab ID: L2451217-03
Client ID: CAN 1597 SHELF 37
Sample Location:

Date Collected: 09/07/24 07:00
Date Received: 09/07/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2451217
Report Date: 09/24/24

Air Canister Certification Results

Lab ID: L2451217-03
Client ID: CAN 1597 SHELF 37
Sample Location:

Date Collected: 09/07/24 07:00
Date Received: 09/07/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	90		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2451217

Project Number: CANISTER QC BAT **Report Date:** 09/24/24

Air Canister Certification Results

Lab ID: L2451217-03
Client ID: CAN 1597 SHELF 37
Sample Location:

Date Collected: 09/07/24 07:00
Date Received: 09/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 09/07/24 18:55
Analyst: BJB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2451217
Report Date: 09/24/24

Air Canister Certification Results

Lab ID: L2451217-03
Client ID: CAN 1597 SHELF 37
Sample Location:

Date Collected: 09/07/24 07:00
Date Received: 09/07/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2451217

Project Number: CANISTER QC BAT **Report Date:** 09/24/24

Air Canister Certification Results

Lab ID: L2451217-03
Client ID: CAN 1597 SHELF 37
Sample Location:

Date Collected: 09/07/24 07:00
Date Received: 09/07/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	93		60-140
bromochloromethane	94		60-140
chlorobenzene-d5	92		60-140

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0671863.07

Lab Number: L2452890
Report Date: 09/24/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2452890-01A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2452890-02A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2452890-03A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2452890-04A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2452890-05A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2452890-06A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2452890-07A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		CLEAN-FEE()
L2452890-08A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		CLEAN-FEE()

*Values in parentheses indicate holding time in days

Project Name:	DANAHER - CHEEKTOWAGA	**Lab Number:**	L2452890
Project Number:	0671863.07	**Report Date:**	09/24/24

GLOSSARY

Acronyms

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

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

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

EPA - Environmental Protection Agency.

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

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

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

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

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

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

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

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

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

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

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

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

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

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

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

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

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

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

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

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

Report Format: Data Usability Report

Project Name:	DANAHER - CHEEKTOWAGA	**Lab Number:**	L2452890
Project Number:	0671863.07	**Report Date:**	09/24/24

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

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

Report Format: Data Usability Report

Project Name:	DANAHER - CHEEKTOWAGA	**Lab Number:**	L2452890
Project Number:	0671863.07	**Report Date:**	09/24/24

Data Qualifiers

ND - Not detected at the reporting limit (RL) for the sample.

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Report Format: Data Usability Report

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

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

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

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

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

Mansfield Facility:

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

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

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

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

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

Date Rec'd in Lab: 9/14/24

ALPHA Job #: L2452890

Client Information

Client: ERM
Address: 5784 Widewaters Pkwy
Syracuse, NY 13214
Phone: 315-445-2554
Fax: Olivia.botting@erm.com
Melissa.Amante@erm.com
Email: Kevin.warner@erm.com
tim.daniluk@erm.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Danaher - Cheektowaga
Project Location: Cheektowaga, NY
Project #: 0671863.07
Project Manager: Tim Daniluk
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☒ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats: ASP CAT B
☒ EMAIL (standard pdf report) Level IV
☒ Additional Deliverables: ERM EQUIS EDD
Report to: (if different than Project Manager)

Billing Information

☒ Same as Client info PO #: 0671863.07

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments: edd@erm.com

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	TO-15	TO-15 SIM	APH Subset Non-methane HCs ☐	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
52890-01	AA-08-20240913-01	9/13/24	0710	1442	-29.84	-8.62	AA	OB	6L	2123	0904	X					
02	SV-03-20240913-01		0855	0920	-28.73	-8.07	SV	OB	6L	2954	02339	X					
03	SV-05-20240913-01		1005	1030	-29.18	-8.28	SV	OB	6L	4330	02366	X					
04	SV-04S-20240913-01		1038	1103	-28.87	-8.04	SV	OB	6L	2623	02360	X					
05	SV-04D-20240913-01		1124	1151	-29.26	-8.09	SV	OB	6L	2940	02342	X					
06	SV-DUP-20240913-01		1124	1151	-29.79	-8.03	SV	OB	6L	1672	0976	X					

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type: C C

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
	9/13/24 1535	PACE	9/13/24 @ 15:35
PACE	9/13/24 15:21		
Russell B Bixby	9-13-24 15:47		9/14/24 0400
	0400		

ANALYTICAL REPORT

Lab Number:	L2458331
Client:	ERM, Inc. 5784 Wide Waters Parkway Syracuse, NY 13214
ATTN:	Tim Daniluk
Phone:	(315) 445-2553
Project Name:	DANAHER - CHEEKTOWAGA
Project Number:	0709858
Report Date:	10/15/24

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0825), DoD (L2474), FL (E87814), IL (200081), IN (C-MA-04), KY (KY98046), LA (85084), ME (MA00030), MD (350), MI (9110), MN (025-999-495), NJ (MA015), NY (11627), NC (685), OR (MA-0262), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #525-23-107-88708A1), USFWS (Permit #A24920).

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0709858

Lab Number: L2458331
Report Date: 10/15/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2458331-01	AA-09-20241008-01	AIR	CHEEKTOWAGA, NY	10/08/24 14:38	10/08/24
L2458331-02	SV-13-20241008-01	SOIL_VAPOR	CHEEKTOWAGA, NY	10/08/24 08:53	10/08/24
L2458331-03	SV-14-20241008-01	SOIL_VAPOR	CHEEKTOWAGA, NY	10/08/24 09:53	10/08/24
L2458331-04	SV-15-20241008-01	SOIL_VAPOR	CHEEKTOWAGA, NY	10/08/24 11:06	10/08/24
L2458331-05	SV-16-20241008-01	SOIL_VAPOR	CHEEKTOWAGA, NY	10/08/24 12:05	10/08/24
L2458331-06	SV-DUP-20241008-01	SOIL_VAPOR	CHEEKTOWAGA, NY	10/08/24 12:03	10/08/24
L2458331-07	SV-18-20241008-01	SOIL_VAPOR	CHEEKTOWAGA, NY	10/08/24 13:31	10/08/24
L2458331-08	SV-19-20241008-01	SOIL_VAPOR	CHEEKTOWAGA, NY	10/08/24 14:31	10/08/24
L2458331-09	UNUSED CAN #1901	SOIL_VAPOR	CHEEKTOWAGA, NY		10/08/24
L2458331-10	UNUSED CAN #918	SOIL_VAPOR	CHEEKTOWAGA, NY		10/08/24
L2458331-11	UNUSED CAN #4295	AIR	CHEEKTOWAGA, NY		10/08/24

Project Name:	DANAHER - CHEEKTOWAGA	**Lab Number:**	L2458331
Project Number:	0709858	**Report Date:**	10/15/24

Case Narrative

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

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

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

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

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

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

Project Name: DANAHER - CHEEKTOWAGA **Lab Number:** L2458331
Project Number: 0709858 **Report Date:** 10/15/24

Case Narrative (continued)

Volatile Organics in Air
Canisters were released from the laboratory on October 2, 2024. The canister certification data is provided as an addendum.

L2458331-03D: Prior to sample analysis, the canisters were pressurized with UHP Nitrogen in order to perform a screen analysis. The pressurization resulted in a dilution of the samples. The reporting limits have been elevated accordingly.

L2458331-04D: Prior to sample analysis, the canisters were pressurized with UHP Nitrogen in order to perform a screen analysis. The pressurization resulted in a dilution of the samples. The reporting limits have been elevated accordingly.

L2458331-05D: Prior to sample analysis, the canisters were pressurized with UHP Nitrogen in order to perform a screen analysis. The pressurization resulted in a dilution of the samples. The reporting limits have been elevated accordingly.

L2458331-06D: Prior to sample analysis, the canisters were pressurized with UHP Nitrogen in order to perform a screen analysis. The pressurization resulted in a dilution of the samples. The reporting limits have been elevated accordingly.

L2458331-07D: Prior to sample analysis, the canisters were pressurized with UHP Nitrogen in order to perform a screen analysis. The pressurization resulted in a dilution of the samples. The reporting limits have been elevated accordingly.

L2458331-08D: Prior to sample analysis, the canisters were pressurized with UHP Nitrogen in order to perform a screen analysis. The pressurization resulted in a dilution of the samples. The reporting limits have been

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0709858
Lab Number: L2458331
Report Date: 10/15/24

Case Narrative (continued)

elevated accordingly.

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

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 10/15/24

AIR

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0709858
Lab Number: L2458331
Report Date: 10/15/24

SAMPLE RESULTS

Lab ID: L2458331-01
Client ID: AA-09-20241008-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 10/08/24 14:38
Date Received: 10/08/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 10/13/24 18:26
Analyst: BJB

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.393	0.200	--	1.94	0.989	--		1
Chloromethane	0.426	0.200	--	0.880	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.33	1.00	--	3.16	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0709858
Lab Number: L2458331
Report Date: 10/15/24

SAMPLE RESULTS

Lab ID: L2458331-01
Client ID: AA-09-20241008-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 10/08/24 14:38
Date Received: 10/08/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0709858
Lab Number: L2458331
Report Date: 10/15/24

SAMPLE RESULTS

Lab ID: L2458331-01
Client ID: AA-09-20241008-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 10/08/24 14:38
Date Received: 10/08/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	99		60-140

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0709858
Lab Number: L2458331
Report Date: 10/15/24

SAMPLE RESULTS

Lab ID: L2458331-02
Client ID: SV-13-20241008-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 10/08/24 08:53
Date Received: 10/08/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 10/13/24 18:59
Analyst: BJB

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.350	0.200	--	1.73	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0709858
Lab Number: L2458331
Report Date: 10/15/24

SAMPLE RESULTS

Lab ID: L2458331-02
Client ID: SV-13-20241008-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 10/08/24 08:53
Date Received: 10/08/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0709858
Lab Number: L2458331
Report Date: 10/15/24

SAMPLE RESULTS

Lab ID: L2458331-02
Client ID: SV-13-20241008-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 10/08/24 08:53
Date Received: 10/08/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	97		60-140

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0709858
Lab Number: L2458331
Report Date: 10/15/24

SAMPLE RESULTS

Lab ID: L2458331-03 D
Client ID: SV-14-20241008-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 10/08/24 09:53
Date Received: 10/08/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 10/13/24 20:03
Analyst: BJB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.395	0.283	--	1.95	1.40	--		1.415
Chloromethane	ND	0.283	--	ND	0.584	--		1.415
Freon-114	ND	0.283	--	ND	1.98	--		1.415
Vinyl chloride	ND	0.283	--	ND	0.723	--		1.415
1,3-Butadiene	ND	0.283	--	ND	0.626	--		1.415
Bromomethane	ND	0.283	--	ND	1.10	--		1.415
Chloroethane	ND	0.283	--	ND	0.747	--		1.415
Ethanol	ND	7.08	--	ND	13.3	--		1.415
Vinyl bromide	ND	0.283	--	ND	1.24	--		1.415
Acetone	ND	1.42	--	ND	3.37	--		1.415
Trichlorofluoromethane	ND	0.283	--	ND	1.59	--		1.415
Isopropanol	ND	0.708	--	ND	1.74	--		1.415
1,1-Dichloroethene	ND	0.283	--	ND	1.12	--		1.415
Tertiary butyl Alcohol	ND	0.708	--	ND	2.15	--		1.415
Methylene chloride	ND	0.708	--	ND	2.46	--		1.415
3-Chloropropene	ND	0.283	--	ND	0.886	--		1.415
Carbon disulfide	ND	0.283	--	ND	0.881	--		1.415
Freon-113	ND	0.283	--	ND	2.17	--		1.415
trans-1,2-Dichloroethene	ND	0.283	--	ND	1.12	--		1.415
1,1-Dichloroethane	ND	0.283	--	ND	1.15	--		1.415
Methyl tert butyl ether	ND	0.283	--	ND	1.02	--		1.415
2-Butanone	ND	0.708	--	ND	2.09	--		1.415
cis-1,2-Dichloroethene	ND	0.283	--	ND	1.12	--		1.415

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0709858
Lab Number: L2458331
Report Date: 10/15/24

SAMPLE RESULTS

Lab ID: L2458331-03 D
Client ID: SV-14-20241008-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 10/08/24 09:53
Date Received: 10/08/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.708	--	ND	2.55	--		1.415
Chloroform	ND	0.283	--	ND	1.38	--		1.415
Tetrahydrofuran	ND	0.708	--	ND	2.09	--		1.415
1,2-Dichloroethane	ND	0.283	--	ND	1.15	--		1.415
n-Hexane	ND	0.283	--	ND	0.997	--		1.415
1,1,1-Trichloroethane	ND	0.283	--	ND	1.54	--		1.415
Benzene	ND	0.283	--	ND	0.904	--		1.415
Carbon tetrachloride	ND	0.283	--	ND	1.78	--		1.415
Cyclohexane	ND	0.283	--	ND	0.974	--		1.415
1,2-Dichloropropane	ND	0.283	--	ND	1.31	--		1.415
Bromodichloromethane	ND	0.283	--	ND	1.90	--		1.415
1,4-Dioxane	ND	0.283	--	ND	1.02	--		1.415
Trichloroethene	ND	0.283	--	ND	1.52	--		1.415
2,2,4-Trimethylpentane	ND	0.283	--	ND	1.32	--		1.415
Heptane	ND	0.283	--	ND	1.16	--		1.415
cis-1,3-Dichloropropene	ND	0.283	--	ND	1.28	--		1.415
4-Methyl-2-pentanone	ND	0.708	--	ND	2.90	--		1.415
trans-1,3-Dichloropropene	ND	0.283	--	ND	1.28	--		1.415
1,1,2-Trichloroethane	ND	0.283	--	ND	1.54	--		1.415
Toluene	ND	0.283	--	ND	1.07	--		1.415
2-Hexanone	ND	0.283	--	ND	1.16	--		1.415
Dibromochloromethane	ND	0.283	--	ND	2.41	--		1.415
1,2-Dibromoethane	ND	0.283	--	ND	2.17	--		1.415
Tetrachloroethene	ND	0.283	--	ND	1.92	--		1.415
Chlorobenzene	ND	0.283	--	ND	1.30	--		1.415
Ethylbenzene	ND	0.283	--	ND	1.23	--		1.415

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0709858
Lab Number: L2458331
Report Date: 10/15/24

SAMPLE RESULTS

Lab ID: L2458331-03 D
Client ID: SV-14-20241008-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 10/08/24 09:53
Date Received: 10/08/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.566	--	ND	2.46	--		1.415
Bromoform	ND	0.283	--	ND	2.93	--		1.415
Styrene	ND	0.283	--	ND	1.20	--		1.415
1,1,2,2-Tetrachloroethane	ND	0.283	--	ND	1.94	--		1.415
o-Xylene	ND	0.283	--	ND	1.23	--		1.415
4-Ethyltoluene	ND	0.283	--	ND	1.39	--		1.415
1,3,5-Trimethylbenzene	ND	0.283	--	ND	1.39	--		1.415
1,2,4-Trimethylbenzene	ND	0.283	--	ND	1.39	--		1.415
Benzyl chloride	ND	0.283	--	ND	1.47	--		1.415
1,3-Dichlorobenzene	ND	0.283	--	ND	1.70	--		1.415
1,4-Dichlorobenzene	ND	0.283	--	ND	1.70	--		1.415
1,2-Dichlorobenzene	ND	0.283	--	ND	1.70	--		1.415
1,2,4-Trichlorobenzene	ND	0.283	--	ND	2.10	--		1.415
Naphthalene	ND	0.283	--	ND	1.48	--		1.415
Hexachlorobutadiene	ND	0.283	--	ND	3.02	--		1.415

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	99		60-140

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0709858
Lab Number: L2458331
Report Date: 10/15/24

SAMPLE RESULTS

Lab ID: L2458331-04 D
Client ID: SV-15-20241008-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 10/08/24 11:06
Date Received: 10/08/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 10/13/24 20:34
Analyst: BJB

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.375	0.306	--	1.85	1.51	--		1.531
Chloromethane	ND	0.306	--	ND	0.632	--		1.531
Freon-114	ND	0.306	--	ND	2.14	--		1.531
Vinyl chloride	ND	0.306	--	ND	0.782	--		1.531
1,3-Butadiene	ND	0.306	--	ND	0.677	--		1.531
Bromomethane	ND	0.306	--	ND	1.19	--		1.531
Chloroethane	ND	0.306	--	ND	0.807	--		1.531
Ethanol	ND	7.66	--	ND	14.4	--		1.531
Vinyl bromide	ND	0.306	--	ND	1.34	--		1.531
Acetone	ND	1.53	--	ND	3.63	--		1.531
Trichlorofluoromethane	ND	0.306	--	ND	1.72	--		1.531
Isopropanol	ND	0.766	--	ND	1.88	--		1.531
1,1-Dichloroethene	ND	0.306	--	ND	1.21	--		1.531
Tertiary butyl Alcohol	ND	0.766	--	ND	2.32	--		1.531
Methylene chloride	ND	0.766	--	ND	2.66	--		1.531
3-Chloropropene	ND	0.306	--	ND	0.958	--		1.531
Carbon disulfide	ND	0.306	--	ND	0.953	--		1.531
Freon-113	ND	0.306	--	ND	2.35	--		1.531
trans-1,2-Dichloroethene	ND	0.306	--	ND	1.21	--		1.531
1,1-Dichloroethane	ND	0.306	--	ND	1.24	--		1.531
Methyl tert butyl ether	ND	0.306	--	ND	1.10	--		1.531
2-Butanone	ND	0.766	--	ND	2.26	--		1.531
cis-1,2-Dichloroethene	ND	0.306	--	ND	1.21	--		1.531

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0709858
Lab Number: L2458331
Report Date: 10/15/24

SAMPLE RESULTS

Lab ID: L2458331-04 D
Client ID: SV-15-20241008-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 10/08/24 11:06
Date Received: 10/08/24
Field Prep: Not Specified

Sample Depth:

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.766	--	ND	2.76	--		1.531
Chloroform	ND	0.306	--	ND	1.49	--		1.531
Tetrahydrofuran	ND	0.766	--	ND	2.26	--		1.531
1,2-Dichloroethane	ND	0.306	--	ND	1.24	--		1.531
n-Hexane	ND	0.306	--	ND	1.08	--		1.531
1,1,1-Trichloroethane	ND	0.306	--	ND	1.67	--		1.531
Benzene	ND	0.306	--	ND	0.978	--		1.531
Carbon tetrachloride	ND	0.306	--	ND	1.92	--		1.531
Cyclohexane	ND	0.306	--	ND	1.05	--		1.531
1,2-Dichloropropane	ND	0.306	--	ND	1.41	--		1.531
Bromodichloromethane	ND	0.306	--	ND	2.05	--		1.531
1,4-Dioxane	ND	0.306	--	ND	1.10	--		1.531
Trichloroethene	ND	0.306	--	ND	1.64	--		1.531
2,2,4-Trimethylpentane	ND	0.306	--	ND	1.43	--		1.531
Heptane	ND	0.306	--	ND	1.25	--		1.531
cis-1,3-Dichloropropene	ND	0.306	--	ND	1.39	--		1.531
4-Methyl-2-pentanone	ND	0.766	--	ND	3.14	--		1.531
trans-1,3-Dichloropropene	ND	0.306	--	ND	1.39	--		1.531
1,1,2-Trichloroethane	ND	0.306	--	ND	1.67	--		1.531
Toluene	ND	0.306	--	ND	1.15	--		1.531
2-Hexanone	ND	0.306	--	ND	1.25	--		1.531
Dibromochloromethane	ND	0.306	--	ND	2.61	--		1.531
1,2-Dibromoethane	ND	0.306	--	ND	2.35	--		1.531
Tetrachloroethene	ND	0.306	--	ND	2.08	--		1.531
Chlorobenzene	ND	0.306	--	ND	1.41	--		1.531
Ethylbenzene	ND	0.306	--	ND	1.33	--		1.531

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0709858
Lab Number: L2458331
Report Date: 10/15/24

SAMPLE RESULTS

Lab ID: L2458331-04 D
Client ID: SV-15-20241008-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 10/08/24 11:06
Date Received: 10/08/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.612	--	ND	2.66	--		1.531
Bromoform	ND	0.306	--	ND	3.16	--		1.531
Styrene	ND	0.306	--	ND	1.30	--		1.531
1,1,2,2-Tetrachloroethane	ND	0.306	--	ND	2.10	--		1.531
o-Xylene	ND	0.306	--	ND	1.33	--		1.531
4-Ethyltoluene	ND	0.306	--	ND	1.50	--		1.531
1,3,5-Trimethylbenzene	ND	0.306	--	ND	1.50	--		1.531
1,2,4-Trimethylbenzene	ND	0.306	--	ND	1.50	--		1.531
Benzyl chloride	ND	0.306	--	ND	1.58	--		1.531
1,3-Dichlorobenzene	ND	0.306	--	ND	1.84	--		1.531
1,4-Dichlorobenzene	ND	0.306	--	ND	1.84	--		1.531
1,2-Dichlorobenzene	ND	0.306	--	ND	1.84	--		1.531
1,2,4-Trichlorobenzene	ND	0.306	--	ND	2.27	--		1.531
Naphthalene	ND	0.306	--	ND	1.60	--		1.531
Hexachlorobutadiene	ND	0.306	--	ND	3.26	--		1.531

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	98		60-140

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0709858
Lab Number: L2458331
Report Date: 10/15/24

SAMPLE RESULTS

Lab ID: L2458331-05 D
Client ID: SV-16-20241008-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 10/08/24 12:05
Date Received: 10/08/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 10/13/24 21:06
Analyst: BJB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.381	0.288	--	1.88	1.42	--		1.442
Chloromethane	ND	0.288	--	ND	0.595	--		1.442
Freon-114	ND	0.288	--	ND	2.01	--		1.442
Vinyl chloride	ND	0.288	--	ND	0.736	--		1.442
1,3-Butadiene	ND	0.288	--	ND	0.637	--		1.442
Bromomethane	ND	0.288	--	ND	1.12	--		1.442
Chloroethane	ND	0.288	--	ND	0.760	--		1.442
Ethanol	ND	7.21	--	ND	13.6	--		1.442
Vinyl bromide	ND	0.288	--	ND	1.26	--		1.442
Acetone	ND	1.44	--	ND	3.42	--		1.442
Trichlorofluoromethane	ND	0.288	--	ND	1.62	--		1.442
Isopropanol	ND	0.721	--	ND	1.77	--		1.442
1,1-Dichloroethene	ND	0.288	--	ND	1.14	--		1.442
Tertiary butyl Alcohol	ND	0.721	--	ND	2.19	--		1.442
Methylene chloride	ND	0.721	--	ND	2.50	--		1.442
3-Chloropropene	ND	0.288	--	ND	0.901	--		1.442
Carbon disulfide	ND	0.288	--	ND	0.897	--		1.442
Freon-113	ND	0.288	--	ND	2.21	--		1.442
trans-1,2-Dichloroethene	ND	0.288	--	ND	1.14	--		1.442
1,1-Dichloroethane	ND	0.288	--	ND	1.17	--		1.442
Methyl tert butyl ether	ND	0.288	--	ND	1.04	--		1.442
2-Butanone	ND	0.721	--	ND	2.13	--		1.442
cis-1,2-Dichloroethene	ND	0.288	--	ND	1.14	--		1.442

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0709858
Lab Number: L2458331
Report Date: 10/15/24

SAMPLE RESULTS

Lab ID: L2458331-05 D
Client ID: SV-16-20241008-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 10/08/24 12:05
Date Received: 10/08/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.721	--	ND	2.60	--		1.442
Chloroform	ND	0.288	--	ND	1.41	--		1.442
Tetrahydrofuran	ND	0.721	--	ND	2.13	--		1.442
1,2-Dichloroethane	ND	0.288	--	ND	1.17	--		1.442
n-Hexane	ND	0.288	--	ND	1.02	--		1.442
1,1,1-Trichloroethane	ND	0.288	--	ND	1.57	--		1.442
Benzene	ND	0.288	--	ND	0.920	--		1.442
Carbon tetrachloride	ND	0.288	--	ND	1.81	--		1.442
Cyclohexane	ND	0.288	--	ND	0.991	--		1.442
1,2-Dichloropropane	ND	0.288	--	ND	1.33	--		1.442
Bromodichloromethane	ND	0.288	--	ND	1.93	--		1.442
1,4-Dioxane	ND	0.288	--	ND	1.04	--		1.442
Trichloroethene	ND	0.288	--	ND	1.55	--		1.442
2,2,4-Trimethylpentane	ND	0.288	--	ND	1.35	--		1.442
Heptane	ND	0.288	--	ND	1.18	--		1.442
cis-1,3-Dichloropropene	ND	0.288	--	ND	1.31	--		1.442
4-Methyl-2-pentanone	ND	0.721	--	ND	2.95	--		1.442
trans-1,3-Dichloropropene	ND	0.288	--	ND	1.31	--		1.442
1,1,2-Trichloroethane	ND	0.288	--	ND	1.57	--		1.442
Toluene	ND	0.288	--	ND	1.09	--		1.442
2-Hexanone	ND	0.288	--	ND	1.18	--		1.442
Dibromochloromethane	ND	0.288	--	ND	2.45	--		1.442
1,2-Dibromoethane	ND	0.288	--	ND	2.21	--		1.442
Tetrachloroethene	ND	0.288	--	ND	1.95	--		1.442
Chlorobenzene	ND	0.288	--	ND	1.33	--		1.442
Ethylbenzene	ND	0.288	--	ND	1.25	--		1.442

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0709858
Lab Number: L2458331
Report Date: 10/15/24

SAMPLE RESULTS

Lab ID: L2458331-05 D
Client ID: SV-16-20241008-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 10/08/24 12:05
Date Received: 10/08/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.577	--	ND	2.51	--		1.442
Bromoform	ND	0.288	--	ND	2.98	--		1.442
Styrene	ND	0.288	--	ND	1.23	--		1.442
1,1,2,2-Tetrachloroethane	ND	0.288	--	ND	1.98	--		1.442
o-Xylene	ND	0.288	--	ND	1.25	--		1.442
4-Ethyltoluene	ND	0.288	--	ND	1.42	--		1.442
1,3,5-Trimethylbenzene	ND	0.288	--	ND	1.42	--		1.442
1,2,4-Trimethylbenzene	ND	0.288	--	ND	1.42	--		1.442
Benzyl chloride	ND	0.288	--	ND	1.49	--		1.442
1,3-Dichlorobenzene	ND	0.288	--	ND	1.73	--		1.442
1,4-Dichlorobenzene	ND	0.288	--	ND	1.73	--		1.442
1,2-Dichlorobenzene	ND	0.288	--	ND	1.73	--		1.442
1,2,4-Trichlorobenzene	ND	0.288	--	ND	2.14	--		1.442
Naphthalene	ND	0.288	--	ND	1.51	--		1.442
Hexachlorobutadiene	ND	0.288	--	ND	3.07	--		1.442

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	98		60-140

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0709858
Lab Number: L2458331
Report Date: 10/15/24

SAMPLE RESULTS

Lab ID: L2458331-06 D
Client ID: SV-DUP-20241008-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 10/08/24 12:03
Date Received: 10/08/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 10/13/24 21:37
Analyst: BJB

	ppbV			ug/m3				Dilution
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.387	0.298	--	1.91	1.47	--		1.49
Chloromethane	ND	0.298	--	ND	0.615	--		1.49
Freon-114	ND	0.298	--	ND	2.08	--		1.49
Vinyl chloride	ND	0.298	--	ND	0.762	--		1.49
1,3-Butadiene	ND	0.298	--	ND	0.659	--		1.49
Bromomethane	ND	0.298	--	ND	1.16	--		1.49
Chloroethane	ND	0.298	--	ND	0.786	--		1.49
Ethanol	ND	7.45	--	ND	14.0	--		1.49
Vinyl bromide	ND	0.298	--	ND	1.30	--		1.49
Acetone	ND	1.49	--	ND	3.54	--		1.49
Trichlorofluoromethane	ND	0.298	--	ND	1.67	--		1.49
Isopropanol	ND	0.745	--	ND	1.83	--		1.49
1,1-Dichloroethene	ND	0.298	--	ND	1.18	--		1.49
Tertiary butyl Alcohol	ND	0.745	--	ND	2.26	--		1.49
Methylene chloride	ND	0.745	--	ND	2.59	--		1.49
3-Chloropropene	ND	0.298	--	ND	0.933	--		1.49
Carbon disulfide	ND	0.298	--	ND	0.928	--		1.49
Freon-113	ND	0.298	--	ND	2.28	--		1.49
trans-1,2-Dichloroethene	ND	0.298	--	ND	1.18	--		1.49
1,1-Dichloroethane	ND	0.298	--	ND	1.21	--		1.49
Methyl tert butyl ether	ND	0.298	--	ND	1.07	--		1.49
2-Butanone	ND	0.745	--	ND	2.20	--		1.49
cis-1,2-Dichloroethene	ND	0.298	--	ND	1.18	--		1.49

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0709858
Lab Number: L2458331
Report Date: 10/15/24

SAMPLE RESULTS

Lab ID: L2458331-06 D
Client ID: SV-DUP-20241008-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 10/08/24 12:03
Date Received: 10/08/24
Field Prep: Not Specified

Sample Depth:

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.745	--	ND	2.68	--		1.49
Chloroform	ND	0.298	--	ND	1.46	--		1.49
Tetrahydrofuran	ND	0.745	--	ND	2.20	--		1.49
1,2-Dichloroethane	ND	0.298	--	ND	1.21	--		1.49
n-Hexane	ND	0.298	--	ND	1.05	--		1.49
1,1,1-Trichloroethane	ND	0.298	--	ND	1.63	--		1.49
Benzene	ND	0.298	--	ND	0.952	--		1.49
Carbon tetrachloride	ND	0.298	--	ND	1.87	--		1.49
Cyclohexane	ND	0.298	--	ND	1.03	--		1.49
1,2-Dichloropropane	ND	0.298	--	ND	1.38	--		1.49
Bromodichloromethane	ND	0.298	--	ND	2.00	--		1.49
1,4-Dioxane	ND	0.298	--	ND	1.07	--		1.49
Trichloroethene	ND	0.298	--	ND	1.60	--		1.49
2,2,4-Trimethylpentane	ND	0.298	--	ND	1.39	--		1.49
Heptane	ND	0.298	--	ND	1.22	--		1.49
cis-1,3-Dichloropropene	ND	0.298	--	ND	1.35	--		1.49
4-Methyl-2-pentanone	ND	0.745	--	ND	3.05	--		1.49
trans-1,3-Dichloropropene	ND	0.298	--	ND	1.35	--		1.49
1,1,2-Trichloroethane	ND	0.298	--	ND	1.63	--		1.49
Toluene	ND	0.298	--	ND	1.12	--		1.49
2-Hexanone	ND	0.298	--	ND	1.22	--		1.49
Dibromochloromethane	ND	0.298	--	ND	2.54	--		1.49
1,2-Dibromoethane	ND	0.298	--	ND	2.29	--		1.49
Tetrachloroethene	ND	0.298	--	ND	2.02	--		1.49
Chlorobenzene	ND	0.298	--	ND	1.37	--		1.49
Ethylbenzene	ND	0.298	--	ND	1.29	--		1.49

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0709858
Lab Number: L2458331
Report Date: 10/15/24

SAMPLE RESULTS

Lab ID: L2458331-06 D
Client ID: SV-DUP-20241008-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 10/08/24 12:03
Date Received: 10/08/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.596	--	ND	2.59	--		1.49
Bromoform	ND	0.298	--	ND	3.08	--		1.49
Styrene	ND	0.298	--	ND	1.27	--		1.49
1,1,2,2-Tetrachloroethane	ND	0.298	--	ND	2.05	--		1.49
o-Xylene	ND	0.298	--	ND	1.29	--		1.49
4-Ethyltoluene	ND	0.298	--	ND	1.47	--		1.49
1,3,5-Trimethylbenzene	ND	0.298	--	ND	1.47	--		1.49
1,2,4-Trimethylbenzene	ND	0.298	--	ND	1.47	--		1.49
Benzyl chloride	ND	0.298	--	ND	1.54	--		1.49
1,3-Dichlorobenzene	ND	0.298	--	ND	1.79	--		1.49
1,4-Dichlorobenzene	ND	0.298	--	ND	1.79	--		1.49
1,2-Dichlorobenzene	ND	0.298	--	ND	1.79	--		1.49
1,2,4-Trichlorobenzene	ND	0.298	--	ND	2.21	--		1.49
Naphthalene	ND	0.298	--	ND	1.56	--		1.49
Hexachlorobutadiene	ND	0.298	--	ND	3.18	--		1.49

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	99		60-140

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0709858
Lab Number: L2458331
Report Date: 10/15/24

SAMPLE RESULTS

Lab ID: L2458331-07 D
Client ID: SV-18-20241008-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 10/08/24 13:31
Date Received: 10/08/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 10/13/24 22:09
Analyst: BJB

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.355	0.295	--	1.76	1.46	--		1.475
Chloromethane	ND	0.295	--	ND	0.609	--		1.475
Freon-114	ND	0.295	--	ND	2.06	--		1.475
Vinyl chloride	ND	0.295	--	ND	0.754	--		1.475
1,3-Butadiene	ND	0.295	--	ND	0.653	--		1.475
Bromomethane	ND	0.295	--	ND	1.15	--		1.475
Chloroethane	ND	0.295	--	ND	0.778	--		1.475
Ethanol	ND	7.38	--	ND	13.9	--		1.475
Vinyl bromide	ND	0.295	--	ND	1.29	--		1.475
Acetone	ND	1.48	--	ND	3.52	--		1.475
Trichlorofluoromethane	ND	0.295	--	ND	1.66	--		1.475
Isopropanol	ND	0.738	--	ND	1.81	--		1.475
1,1-Dichloroethene	ND	0.295	--	ND	1.17	--		1.475
Tertiary butyl Alcohol	ND	0.738	--	ND	2.24	--		1.475
Methylene chloride	ND	0.738	--	ND	2.56	--		1.475
3-Chloropropene	ND	0.295	--	ND	0.923	--		1.475
Carbon disulfide	ND	0.295	--	ND	0.919	--		1.475
Freon-113	ND	0.295	--	ND	2.26	--		1.475
trans-1,2-Dichloroethene	ND	0.295	--	ND	1.17	--		1.475
1,1-Dichloroethane	ND	0.295	--	ND	1.19	--		1.475
Methyl tert butyl ether	ND	0.295	--	ND	1.06	--		1.475
2-Butanone	ND	0.738	--	ND	2.18	--		1.475
cis-1,2-Dichloroethene	ND	0.295	--	ND	1.17	--		1.475

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0709858
Lab Number: L2458331
Report Date: 10/15/24

SAMPLE RESULTS

Lab ID: L2458331-07 D
Client ID: SV-18-20241008-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 10/08/24 13:31
Date Received: 10/08/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.738	--	ND	2.66	--		1.475
Chloroform	ND	0.295	--	ND	1.44	--		1.475
Tetrahydrofuran	ND	0.738	--	ND	2.18	--		1.475
1,2-Dichloroethane	ND	0.295	--	ND	1.19	--		1.475
n-Hexane	ND	0.295	--	ND	1.04	--		1.475
1,1,1-Trichloroethane	ND	0.295	--	ND	1.61	--		1.475
Benzene	ND	0.295	--	ND	0.942	--		1.475
Carbon tetrachloride	ND	0.295	--	ND	1.86	--		1.475
Cyclohexane	ND	0.295	--	ND	1.02	--		1.475
1,2-Dichloropropane	ND	0.295	--	ND	1.36	--		1.475
Bromodichloromethane	ND	0.295	--	ND	1.98	--		1.475
1,4-Dioxane	ND	0.295	--	ND	1.06	--		1.475
Trichloroethene	ND	0.295	--	ND	1.59	--		1.475
2,2,4-Trimethylpentane	ND	0.295	--	ND	1.38	--		1.475
Heptane	ND	0.295	--	ND	1.21	--		1.475
cis-1,3-Dichloropropene	ND	0.295	--	ND	1.34	--		1.475
4-Methyl-2-pentanone	ND	0.738	--	ND	3.02	--		1.475
trans-1,3-Dichloropropene	ND	0.295	--	ND	1.34	--		1.475
1,1,2-Trichloroethane	ND	0.295	--	ND	1.61	--		1.475
Toluene	ND	0.295	--	ND	1.11	--		1.475
2-Hexanone	ND	0.295	--	ND	1.21	--		1.475
Dibromochloromethane	ND	0.295	--	ND	2.51	--		1.475
1,2-Dibromoethane	ND	0.295	--	ND	2.27	--		1.475
Tetrachloroethene	ND	0.295	--	ND	2.00	--		1.475
Chlorobenzene	ND	0.295	--	ND	1.36	--		1.475
Ethylbenzene	ND	0.295	--	ND	1.28	--		1.475

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0709858
Lab Number: L2458331
Report Date: 10/15/24

SAMPLE RESULTS

Lab ID: L2458331-07 D
Client ID: SV-18-20241008-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 10/08/24 13:31
Date Received: 10/08/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.590	--	ND	2.56	--		1.475
Bromoform	ND	0.295	--	ND	3.05	--		1.475
Styrene	ND	0.295	--	ND	1.26	--		1.475
1,1,2,2-Tetrachloroethane	ND	0.295	--	ND	2.03	--		1.475
o-Xylene	ND	0.295	--	ND	1.28	--		1.475
4-Ethyltoluene	ND	0.295	--	ND	1.45	--		1.475
1,3,5-Trimethylbenzene	ND	0.295	--	ND	1.45	--		1.475
1,2,4-Trimethylbenzene	ND	0.295	--	ND	1.45	--		1.475
Benzyl chloride	ND	0.295	--	ND	1.53	--		1.475
1,3-Dichlorobenzene	ND	0.295	--	ND	1.77	--		1.475
1,4-Dichlorobenzene	ND	0.295	--	ND	1.77	--		1.475
1,2-Dichlorobenzene	ND	0.295	--	ND	1.77	--		1.475
1,2,4-Trichlorobenzene	ND	0.295	--	ND	2.19	--		1.475
Naphthalene	ND	0.295	--	ND	1.55	--		1.475
Hexachlorobutadiene	ND	0.295	--	ND	3.15	--		1.475

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	97		60-140

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0709858
Lab Number: L2458331
Report Date: 10/15/24

SAMPLE RESULTS

Lab ID: L2458331-08 D
Client ID: SV-19-20241008-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 10/08/24 14:31
Date Received: 10/08/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 10/13/24 22:40
Analyst: BJB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.311	0.284	--	1.54	1.40	--		1.419
Chloromethane	ND	0.284	--	ND	0.586	--		1.419
Freon-114	ND	0.284	--	ND	1.99	--		1.419
Vinyl chloride	ND	0.284	--	ND	0.726	--		1.419
1,3-Butadiene	ND	0.284	--	ND	0.628	--		1.419
Bromomethane	ND	0.284	--	ND	1.10	--		1.419
Chloroethane	ND	0.284	--	ND	0.749	--		1.419
Ethanol	ND	7.10	--	ND	13.4	--		1.419
Vinyl bromide	ND	0.284	--	ND	1.24	--		1.419
Acetone	ND	1.42	--	ND	3.37	--		1.419
Trichlorofluoromethane	ND	0.284	--	ND	1.60	--		1.419
Isopropanol	ND	0.710	--	ND	1.75	--		1.419
1,1-Dichloroethene	ND	0.284	--	ND	1.13	--		1.419
Tertiary butyl Alcohol	ND	0.710	--	ND	2.15	--		1.419
Methylene chloride	ND	0.710	--	ND	2.47	--		1.419
3-Chloropropene	ND	0.284	--	ND	0.889	--		1.419
Carbon disulfide	ND	0.284	--	ND	0.884	--		1.419
Freon-113	ND	0.284	--	ND	2.18	--		1.419
trans-1,2-Dichloroethene	ND	0.284	--	ND	1.13	--		1.419
1,1-Dichloroethane	ND	0.284	--	ND	1.15	--		1.419
Methyl tert butyl ether	ND	0.284	--	ND	1.02	--		1.419
2-Butanone	ND	0.710	--	ND	2.09	--		1.419
cis-1,2-Dichloroethene	ND	0.284	--	ND	1.13	--		1.419

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0709858
Lab Number: L2458331
Report Date: 10/15/24

SAMPLE RESULTS

Lab ID: L2458331-08 D
Client ID: SV-19-20241008-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 10/08/24 14:31
Date Received: 10/08/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.710	--	ND	2.56	--		1.419
Chloroform	ND	0.284	--	ND	1.39	--		1.419
Tetrahydrofuran	ND	0.710	--	ND	2.09	--		1.419
1,2-Dichloroethane	ND	0.284	--	ND	1.15	--		1.419
n-Hexane	ND	0.284	--	ND	1.00	--		1.419
1,1,1-Trichloroethane	ND	0.284	--	ND	1.55	--		1.419
Benzene	ND	0.284	--	ND	0.907	--		1.419
Carbon tetrachloride	ND	0.284	--	ND	1.79	--		1.419
Cyclohexane	ND	0.284	--	ND	0.978	--		1.419
1,2-Dichloropropane	ND	0.284	--	ND	1.31	--		1.419
Bromodichloromethane	ND	0.284	--	ND	1.90	--		1.419
1,4-Dioxane	ND	0.284	--	ND	1.02	--		1.419
Trichloroethene	ND	0.284	--	ND	1.53	--		1.419
2,2,4-Trimethylpentane	ND	0.284	--	ND	1.33	--		1.419
Heptane	ND	0.284	--	ND	1.16	--		1.419
cis-1,3-Dichloropropene	ND	0.284	--	ND	1.29	--		1.419
4-Methyl-2-pentanone	ND	0.710	--	ND	2.91	--		1.419
trans-1,3-Dichloropropene	ND	0.284	--	ND	1.29	--		1.419
1,1,2-Trichloroethane	ND	0.284	--	ND	1.55	--		1.419
Toluene	ND	0.284	--	ND	1.07	--		1.419
2-Hexanone	ND	0.284	--	ND	1.16	--		1.419
Dibromochloromethane	ND	0.284	--	ND	2.42	--		1.419
1,2-Dibromoethane	ND	0.284	--	ND	2.18	--		1.419
Tetrachloroethene	ND	0.284	--	ND	1.93	--		1.419
Chlorobenzene	ND	0.284	--	ND	1.31	--		1.419
Ethylbenzene	ND	0.284	--	ND	1.23	--		1.419

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0709858
Lab Number: L2458331
Report Date: 10/15/24

SAMPLE RESULTS

Lab ID: L2458331-08 D
Client ID: SV-19-20241008-01
Sample Location: CHEEKTOWAGA, NY

Date Collected: 10/08/24 14:31
Date Received: 10/08/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.568	--	ND	2.47	--		1.419
Bromoform	ND	0.284	--	ND	2.94	--		1.419
Styrene	ND	0.284	--	ND	1.21	--		1.419
1,1,2,2-Tetrachloroethane	ND	0.284	--	ND	1.95	--		1.419
o-Xylene	ND	0.284	--	ND	1.23	--		1.419
4-Ethyltoluene	ND	0.284	--	ND	1.40	--		1.419
1,3,5-Trimethylbenzene	ND	0.284	--	ND	1.40	--		1.419
1,2,4-Trimethylbenzene	ND	0.284	--	ND	1.40	--		1.419
Benzyl chloride	ND	0.284	--	ND	1.47	--		1.419
1,3-Dichlorobenzene	ND	0.284	--	ND	1.71	--		1.419
1,4-Dichlorobenzene	ND	0.284	--	ND	1.71	--		1.419
1,2-Dichlorobenzene	ND	0.284	--	ND	1.71	--		1.419
1,2,4-Trichlorobenzene	ND	0.284	--	ND	2.11	--		1.419
Naphthalene	ND	0.284	--	ND	1.49	--		1.419
Hexachlorobutadiene	ND	0.284	--	ND	3.03	--		1.419

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	96		60-140

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0709858
Lab Number: L2458331
Report Date: 10/15/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 10/13/24 16:48

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-08 Batch: WG1983695-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1

Project Name: DANAHER - CHEEKTOWAGA **Lab Number:** L2458331

Project Number: 0709858 **Report Date:** 10/15/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 10/13/24 16:48

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-08 Batch: WG1983695-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0709858
Lab Number: L2458331
Report Date: 10/15/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 10/13/24 16:48

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-08 Batch: WG1983695-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: DANAHER - CHEEKTOWAGA

Project Number: 0709858

Lab Number: L2458331

Report Date: 10/15/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-08 Batch: WG1983695-3								
Dichlorodifluoromethane	79		-		70-130	-		
Chloromethane	85		-		70-130	-		
Freon-114	102		-		70-130	-		
Vinyl chloride	85		-		70-130	-		
1,3-Butadiene	96		-		70-130	-		
Bromomethane	88		-		70-130	-		
Chloroethane	76		-		70-130	-		
Ethanol	84		-		40-160	-		
Vinyl bromide	72		-		70-130	-		
Acetone	79		-		40-160	-		
Trichlorofluoromethane	75		-		70-130	-		
Isopropanol	70		-		40-160	-		
1,1-Dichloroethene	89		-		70-130	-		
Tertiary butyl Alcohol	92		-		70-130	-		
Methylene chloride	107		-		70-130	-		
3-Chloropropene	83		-		70-130	-		
Carbon disulfide	95		-		70-130	-		
Freon-113	94		-		70-130	-		
trans-1,2-Dichloroethene	88		-		70-130	-		
1,1-Dichloroethane	92		-		70-130	-		
Methyl tert butyl ether	94		-		70-130	-		
2-Butanone	84		-		70-130	-		
cis-1,2-Dichloroethene	93		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0709858
Lab Number: L2458331
Report Date: 10/15/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-08 Batch: WG1983695-3								
Ethyl Acetate	98		-		70-130	-		
Chloroform	100		-		70-130	-		
Tetrahydrofuran	79		-		70-130	-		
1,2-Dichloroethane	85		-		70-130	-		
n-Hexane	103		-		70-130	-		
1,1,1-Trichloroethane	99		-		70-130	-		
Benzene	108		-		70-130	-		
Carbon tetrachloride	114		-		70-130	-		
Cyclohexane	106		-		70-130	-		
1,2-Dichloropropane	101		-		70-130	-		
Bromodichloromethane	110		-		70-130	-		
1,4-Dioxane	102		-		70-130	-		
Trichloroethene	104		-		70-130	-		
2,2,4-Trimethylpentane	105		-		70-130	-		
Heptane	93		-		70-130	-		
cis-1,3-Dichloropropene	114		-		70-130	-		
4-Methyl-2-pentanone	93		-		70-130	-		
trans-1,3-Dichloropropene	117		-		70-130	-		
1,1,2-Trichloroethane	101		-		70-130	-		
Toluene	96		-		70-130	-		
2-Hexanone	91		-		70-130	-		
Dibromochloromethane	108		-		70-130	-		
1,2-Dibromoethane	106		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: DANAHER - CHEEKTOWAGA

Project Number: 0709858

Lab Number: L2458331

Report Date: 10/15/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-08 Batch: WG1983695-3								
Tetrachloroethene	101		-		70-130	-		
Chlorobenzene	102		-		70-130	-		
Ethylbenzene	96		-		70-130	-		
p/m-Xylene	96		-		70-130	-		
Bromoform	107		-		70-130	-		
Styrene	101		-		70-130	-		
1,1,2,2-Tetrachloroethane	108		-		70-130	-		
o-Xylene	95		-		70-130	-		
4-Ethyltoluene	97		-		70-130	-		
1,3,5-Trimethylbenzene	105		-		70-130	-		
1,2,4-Trimethylbenzene	96		-		70-130	-		
Benzyl chloride	102		-		70-130	-		
1,3-Dichlorobenzene	103		-		70-130	-		
1,4-Dichlorobenzene	107		-		70-130	-		
1,2-Dichlorobenzene	104		-		70-130	-		
1,2,4-Trichlorobenzene	94		-		70-130	-		
Naphthalene	92		-		70-130	-		
Hexachlorobutadiene	84		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0709858

Lab Number: L2458331
Report Date: 10/15/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1983695-5 QC Sample: L2458331-02 Client ID: SV-13-20241008-01						
Dichlorodifluoromethane	0.350	0.353	ppbV	1		25
Chloromethane	ND	ND	ppbV	NC		25
Freon-114	ND	ND	ppbV	NC		25
Vinyl chloride	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	ND	ND	ppbV	NC		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	ND	ND	ppbV	NC		25
Trichlorofluoromethane	ND	ND	ppbV	NC		25
Isopropanol	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Tertiary butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0709858

Lab Number: L2458331
Report Date: 10/15/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1983695-5 QC Sample: L2458331-02 Client ID: SV-13-20241008-01						
2-Butanone	ND	ND	ppbV	NC		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
Ethyl Acetate	ND	ND	ppbV	NC		25
Chloroform	ND	ND	ppbV	NC		25
Tetrahydrofuran	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	ND	ND	ppbV	NC		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Benzene	ND	ND	ppbV	NC		25
Carbon tetrachloride	ND	ND	ppbV	NC		25
Cyclohexane	ND	ND	ppbV	NC		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
Trichloroethene	ND	ND	ppbV	NC		25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC		25
Heptane	ND	ND	ppbV	NC		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
4-Methyl-2-pentanone	ND	ND	ppbV	NC		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0709858

Lab Number: L2458331
Report Date: 10/15/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1983695-5 QC Sample: L2458331-02 Client ID: SV-13-20241008-01						
Toluene	ND	ND	ppbV	NC		25
2-Hexanone	ND	ND	ppbV	NC		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Tetrachloroethene	ND	ND	ppbV	NC		25
Chlorobenzene	ND	ND	ppbV	NC		25
Ethylbenzene	ND	ND	ppbV	NC		25
p/m-Xylene	ND	ND	ppbV	NC		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	ND	ND	ppbV	NC		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	ND	ND	ppbV	NC		25
4-Ethyltoluene	ND	ND	ppbV	NC		25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC		25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC		25
Benzyl chloride	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC		25
Naphthalene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0709858

Lab Number: L2458331
Report Date: 10/15/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1983695-5 QC Sample: L2458331-02 Client ID: SV-13-20241008-01						
Hexachlorobutadiene	ND	ND	ppbV	NC		25

Project Name: DANAHER - CHEEKTOWAGA

Project Number: 0709858

Lab Number: L2458331

Report Date: 10/15/24

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2458331-01	AA-09-20241008-01	01786	Flow 4	10/02/24	485731		-	-	-	Pass	10.1	10.2	1
L2458331-01	AA-09-20241008-01	3568	6.0L Can	10/02/24	485731	L2455450-08	Pass	-29.6	-8.1	-	-	-	-
L2458331-02	SV-13-20241008-01	01584	Flow 1	10/02/24	485731		-	-	-	Pass	160	159	1
L2458331-02	SV-13-20241008-01	1794	6.0L Can	10/02/24	485731	L2455450-08	Pass	-29.5	-7.6	-	-	-	-
L2458331-03	SV-14-20241008-01	01637	Flow 1	10/02/24	485731		-	-	-	Pass	160	169	5
L2458331-03	SV-14-20241008-01	1689	6.0L Can	10/02/24	485731	L2455450-08	Pass	-29.6	-8.0	-	-	-	-
L2458331-04	SV-15-20241008-01	02110	Flow 1	10/02/24	485731		-	-	-	Pass	160	173	8
L2458331-04	SV-15-20241008-01	2101	6.0L Can	10/02/24	485731	L2455450-08	Pass	-29.5	-9.6	-	-	-	-
L2458331-05	SV-16-20241008-01	01562	Flow 1	10/02/24	485731		-	-	-	Pass	160	161	1
L2458331-05	SV-16-20241008-01	3470	6.0L Can	10/02/24	485731	L2455838-10	Pass	-29.5	-8.6	-	-	-	-
L2458331-06	SV-DUP-20241008-01	0453	Flow 1	10/02/24	485731		-	-	-	Pass	160	164	2
L2458331-06	SV-DUP-20241008-01	2944	6.0L Can	10/02/24	485731	L2455450-08	Pass	-29.6	-9.1	-	-	-	-
L2458331-07	SV-18-20241008-01	01943	Flow 1	10/02/24	485731		-	-	-	Pass	160	157	2
L2458331-07	SV-18-20241008-01	3067	6.0L Can	10/02/24	485731	L2455450-09	Pass	-29.5	-8.8	-	-	-	-
L2458331-08	SV-19-20241008-01	0093	Flow 1	10/02/24	485731		-	-	-	Pass	160	150	6

Project Name: DANAHER - CHEEKTOWAGA

Lab Number: L2458331

Project Number: 0709858

Report Date: 10/15/24

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2458331-08	SV-19-20241008-01	2976	6.0L Can	10/02/24	485731	L2455450-09	Pass	-29.5	-8.1	-	-	-	-
L2458331-09	UNUSED CAN #1901	01585	Flow 4	10/02/24	485731		-	-	-	Pass	10.0	9.8	2
L2458331-09	UNUSED CAN #1901	1901	6.0L Can	10/02/24	485731	L2455450-09	Pass	-29.5	-28.9	-	-	-	-
L2458331-10	UNUSED CAN #918	01767	Flow 1	10/02/24	485731		-	-	-	Pass	160	156	3
L2458331-10	UNUSED CAN #918	918	6.0L Can	10/02/24	485731	L2455838-09	Pass	-29.6	-29.9	-	-	-	-
L2458331-11	UNUSED CAN #4295	02262	Flow 1	10/02/24	485731		-	-	-	Pass	160	157	2
L2458331-11	UNUSED CAN #4295	4295	6.0L Can	10/02/24	485731	L2455450-08	Pass	-29.5	-29.9	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2455450
Report Date: 10/15/24

Air Canister Certification Results

Lab ID: L2455450-08
Client ID: CAN 2569 SHELF 52
Sample Location:

Date Collected: 09/26/24 10:00
Date Received: 09/26/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 09/26/24 21:20
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2455450
Report Date: 10/15/24

Air Canister Certification Results

Lab ID: L2455450-08
Client ID: CAN 2569 SHELF 52
Sample Location:

Date Collected: 09/26/24 10:00
Date Received: 09/26/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2455450

Project Number: CANISTER QC BAT **Report Date:** 10/15/24

Air Canister Certification Results

Lab ID: L2455450-08
Client ID: CAN 2569 SHELF 52
Sample Location:

Date Collected: 09/26/24 10:00
Date Received: 09/26/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2455450
Report Date: 10/15/24

Air Canister Certification Results

Lab ID: L2455450-08
Client ID: CAN 2569 SHELF 52
Sample Location:

Date Collected: 09/26/24 10:00
Date Received: 09/26/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2455450
Report Date: 10/15/24

Air Canister Certification Results

Lab ID: L2455450-08
Client ID: CAN 2569 SHELF 52
Sample Location:

Date Collected: 09/26/24 10:00
Date Received: 09/26/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	86		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	94		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2455450
Report Date: 10/15/24

Air Canister Certification Results

Lab ID: L2455450-08
Client ID: CAN 2569 SHELF 52
Sample Location:

Date Collected: 09/26/24 10:00
Date Received: 09/26/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 09/28/24 00:04
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Acrylonitrile	ND	0.500	--	ND	1.09	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	99		60-140
Bromochloromethane	107		60-140
chlorobenzene-d5	113		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2455450
Report Date: 10/15/24

Air Canister Certification Results

Lab ID: L2455450-08
Client ID: CAN 2569 SHELF 52
Sample Location:

Date Collected: 09/26/24 10:00
Date Received: 09/26/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 09/26/24 21:20
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2455450
Report Date: 10/15/24

Air Canister Certification Results

Lab ID: L2455450-08
Client ID: CAN 2569 SHELF 52
Sample Location:

Date Collected: 09/26/24 10:00
Date Received: 09/26/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2455450
Report Date: 10/15/24

Air Canister Certification Results

Lab ID: L2455450-08
Client ID: CAN 2569 SHELF 52
Sample Location:

Date Collected: 09/26/24 10:00
Date Received: 09/26/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	86		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	93		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2455450
Report Date: 10/15/24

Air Canister Certification Results

Lab ID: L2455450-09
Client ID: CAN 1662 SHELF 53
Sample Location:

Date Collected: 09/26/24 10:00
Date Received: 09/26/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 09/26/24 21:59
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2455450
Report Date: 10/15/24

Air Canister Certification Results

Lab ID: L2455450-09
Client ID: CAN 1662 SHELF 53
Sample Location:

Date Collected: 09/26/24 10:00
Date Received: 09/26/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2455450
Report Date: 10/15/24

Air Canister Certification Results

Lab ID: L2455450-09
Client ID: CAN 1662 SHELF 53
Sample Location:

Date Collected: 09/26/24 10:00
Date Received: 09/26/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2455450
Report Date: 10/15/24

Air Canister Certification Results

Lab ID: L2455450-09
Client ID: CAN 1662 SHELF 53
Sample Location:

Date Collected: 09/26/24 10:00
Date Received: 09/26/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2455450
Report Date: 10/15/24

Air Canister Certification Results

Lab ID: L2455450-09
Client ID: CAN 1662 SHELF 53
Sample Location:

Date Collected: 09/26/24 10:00
Date Received: 09/26/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	101		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2455450
Report Date: 10/15/24

Air Canister Certification Results

Lab ID: L2455450-09
Client ID: CAN 1662 SHELF 53
Sample Location:

Date Collected: 09/26/24 10:00
Date Received: 09/26/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 09/28/24 00:41
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Acrylonitrile	ND	0.500	--	ND	1.09	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	101		60-140
Bromochloromethane	108		60-140
chlorobenzene-d5	115		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2455450
Report Date: 10/15/24

Air Canister Certification Results

Lab ID: L2455450-09
Client ID: CAN 1662 SHELF 53
Sample Location:

Date Collected: 09/26/24 10:00
Date Received: 09/26/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 09/26/24 21:59
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2455450
Report Date: 10/15/24

Air Canister Certification Results

Lab ID: L2455450-09
Client ID: CAN 1662 SHELF 53
Sample Location:

Date Collected: 09/26/24 10:00
Date Received: 09/26/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2455450
Report Date: 10/15/24

Air Canister Certification Results

Lab ID: L2455450-09
Client ID: CAN 1662 SHELF 53
Sample Location:

Date Collected: 09/26/24 10:00
Date Received: 09/26/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	90		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	100		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2455838
Report Date: 10/15/24

Air Canister Certification Results

Lab ID: L2455838-09
Client ID: CAN 2284 SHELF 62
Sample Location:

Date Collected: 09/27/24 10:00
Date Received: 09/27/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 09/27/24 23:32
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2455838

Project Number: CANISTER QC BAT **Report Date:** 10/15/24

Air Canister Certification Results

Lab ID: L2455838-09
Client ID: CAN 2284 SHELF 62
Sample Location:

Date Collected: 09/27/24 10:00
Date Received: 09/27/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2455838
Report Date: 10/15/24

Air Canister Certification Results

Lab ID: L2455838-09
Client ID: CAN 2284 SHELF 62
Sample Location:

Date Collected: 09/27/24 10:00
Date Received: 09/27/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2455838
Report Date: 10/15/24

Air Canister Certification Results

Lab ID: L2455838-09
Client ID: CAN 2284 SHELF 62
Sample Location:

Date Collected: 09/27/24 10:00
Date Received: 09/27/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2455838
Report Date: 10/15/24

Air Canister Certification Results

Lab ID: L2455838-09
Client ID: CAN 2284 SHELF 62
Sample Location:

Date Collected: 09/27/24 10:00
Date Received: 09/27/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	95		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2455838

Project Number: CANISTER QC BAT **Report Date:** 10/15/24

Air Canister Certification Results

Lab ID: L2455838-09
Client ID: CAN 2284 SHELF 62
Sample Location:

Date Collected: 09/27/24 10:00
Date Received: 09/27/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 09/27/24 23:32
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2455838

Project Number: CANISTER QC BAT **Report Date:** 10/15/24

Air Canister Certification Results

Lab ID: L2455838-09
Client ID: CAN 2284 SHELF 62
Sample Location:

Date Collected: 09/27/24 10:00
Date Received: 09/27/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2455838
Report Date: 10/15/24

Air Canister Certification Results

Lab ID: L2455838-09
Client ID: CAN 2284 SHELF 62
Sample Location:

Date Collected: 09/27/24 10:00
Date Received: 09/27/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	111		60-140
bromochloromethane	113		60-140
chlorobenzene-d5	109		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2455838
Report Date: 10/15/24

Air Canister Certification Results

Lab ID: L2455838-10
Client ID: CAN 1566 SHELF 65
Sample Location:

Date Collected: 09/27/24 10:00
Date Received: 09/27/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 09/28/24 00:10
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2455838

Project Number: CANISTER QC BAT **Report Date:** 10/15/24

Air Canister Certification Results

Lab ID: L2455838-10
Client ID: CAN 1566 SHELF 65
Sample Location:

Date Collected: 09/27/24 10:00
Date Received: 09/27/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2455838
Report Date: 10/15/24

Air Canister Certification Results

Lab ID: L2455838-10
Client ID: CAN 1566 SHELF 65
Sample Location:

Date Collected: 09/27/24 10:00
Date Received: 09/27/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2455838
Report Date: 10/15/24

Air Canister Certification Results

Lab ID: L2455838-10
Client ID: CAN 1566 SHELF 65
Sample Location:

Date Collected: 09/27/24 10:00
Date Received: 09/27/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2455838

Project Number: CANISTER QC BAT **Report Date:** 10/15/24

Air Canister Certification Results

Lab ID: L2455838-10
Client ID: CAN 1566 SHELF 65
Sample Location:

Date Collected: 09/27/24 10:00
Date Received: 09/27/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	92		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2455838

Project Number: CANISTER QC BAT **Report Date:** 10/15/24

Air Canister Certification Results

Lab ID: L2455838-10
Client ID: CAN 1566 SHELF 65
Sample Location:

Date Collected: 09/27/24 10:00
Date Received: 09/27/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 09/28/24 00:10
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2455838
Report Date: 10/15/24

Air Canister Certification Results

Lab ID: L2455838-10
Client ID: CAN 1566 SHELF 65
Sample Location:

Date Collected: 09/27/24 10:00
Date Received: 09/27/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2455838

Project Number: CANISTER QC BAT **Report Date:** 10/15/24

Air Canister Certification Results

Lab ID: L2455838-10
Client ID: CAN 1566 SHELF 65
Sample Location:

Date Collected: 09/27/24 10:00
Date Received: 09/27/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	108		60-140
bromochloromethane	111		60-140
chlorobenzene-d5	106		60-140

Project Name: DANAHER - CHEEKTOWAGA
Project Number: 0709858

Lab Number: L2458331
Report Date: 10/15/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2458331-01A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2458331-02A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2458331-03A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2458331-04A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2458331-05A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2458331-06A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2458331-07A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2458331-08A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2458331-09A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		CLEAN-FEE()
L2458331-10A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		CLEAN-FEE()
L2458331-11A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		CLEAN-FEE()

*Values in parentheses indicate holding time in days

Project Name:	DANAHER - CHEEKTOWAGA	**Lab Number:**	L2458331
Project Number:	0709858	**Report Date:**	10/15/24

GLOSSARY

Acronyms

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

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

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

EPA - Environmental Protection Agency.

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

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

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

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

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

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

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

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

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

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

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

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

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

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

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

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

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

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

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

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

Report Format: Data Usability Report

Project Name:	DANAHER - CHEEKTOWAGA	**Lab Number:**	L2458331
Project Number:	0709858	**Report Date:**	10/15/24

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

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

Report Format: Data Usability Report

Project Name:	DANAHER - CHEEKTOWAGA	**Lab Number:**	L2458331
Project Number:	0709858	**Report Date:**	10/15/24

Data Qualifiers

ND - Not detected at the reporting limit (RL) for the sample.

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Report Format: Data Usability Report

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

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

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

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

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

Mansfield Facility:

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

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

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

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

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

Date Rec'd in Lab: 10-9-24

ALPHA Job #: L2458331

Client Information

Client: ERM
Address: 5784 Widewaters Pkwy
Syracuse, NY 13214
Phone: 315-445-2554
Fax: melissa.amante@erm.com
Email: kevin.warner@erm.com
tim.daniluk@erm.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Danaher-Cheektowaga
Project Location: Cheektowaga, NY
Project #: 0709858
Project Manager: Tim Daniluk
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☒ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats: ASP CAT B
☒ EMAIL (standard pdf report) Level IV
☒ Additional Deliverables: ERM EQUIS EDD
Report to: (if different than Project Manager)

Billing Information

☒ Same as Client info PO #: 0709858

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments: edd@erm.com
Olivia.botting@erm.com

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	TO-15	TO-15 SIM	APH Subset Non-petroleum HCs ☐	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
58331 -01	AA-09-20241008-01	10/8/24	0742	1458	-29.69	-8.79	AA	OB	6L	3568	01786		X				
-02	SV-13-20241008-01		~~0853~~ 0824	0853	-29.17	-8.26	SV	OB	6L	1794	01584	X					
-03	SV-14-20241008-01		0928	0953	-29.76	-8.60	SV	OB	6L	1689	01637	X					
-04	SV-15-20241008-01		1041	1106	-28.88	-8.39	SV	OB	6L	2101	02110	X					
-05	SV-16-20241008-01		1139	1205	-28.89	-8.55	SV	OB	6L	3470	01562	X					
-06	SV-DUP-20241008-01		1139	1203	-26.02	-8.06	SV	OB	6L	2944	0453	X					
-07	SV-18-20241008-01		1304	1331	-28.55	-8.29	SV	OB	6L	3067	01943	X					
-08	SV-19-20241008-01		1402	1431	-28.82	-8.50	SV	OB	6L	2976	0093	X					

OB

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type: C C

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions.
See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
Olivia Botting	10/8/24 1600	PACE	10/8/24 1600
PACE	10/8/24 1600	BUFF SC	10/8/24 1620
Robert L Bixby	10-8-24 1625		

OB

Form No. 101-03 Rev. (25-Sep-15)

AIR ANALYSIS

PAGE_____ OF _____

CHAIN OF CUSTODY

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

Date Rec'd in Lab:

ALPHA Job #:

Client Information

Client:

Address:

Phone:

Fax:

Email:

❑ These samples have been previously analyzed by Alpha

Project Information

Project Name:

Project Location:

Project #:

Project Manager:

ALPHA Quote #:

Turn-Around Time

❑ Standard ❑ RUSH (only confirmed if pre-approved)

Date Due: Time:

Report Information - Data Deliverables

❑ FAX
❑ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
❑ EMAIL (standard pdf report)
❑ Additional Deliverables:

Report to: (if different than Project Manager)

Billing Information

❑ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ❑

ANALYSIS

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 SIM	APH Subset Non-petroleum HCs ❑	Fixed Gases	Subset & Mercaptans by TO-15	Sample Comments (i.e. PID)

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Relinquished By:	Date/Time	Received By:	Date/Time:

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Form No: 01-02 Rev: (25-Sep-15)



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