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2023 PERIODIC REVIEW REPORT (PRR)
FORMER SCM - CORTLANDVILLE
839 NYS ROUTE 13
CORTLANDVILLE, NEW YORK 13045
SITE NO.: 712006

Prepared For:
New York State Department of Environmental Conservation
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Owner:
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1 INTRODUCTION

This report provides the basis for review and certification of the groundwater extraction & treatment system and the institutional and engineering controls (ICs/ECs) implemented at Site No. 712006. Signed Institutional and Engineering Controls Certification Forms are included in Appendix A.

The Site is currently owned by Cortland Commerce Center, LLC (CCC) and Cortland Industrial Center, LLC (CIC) and this report is prepared for and submitted at the direction of CCC/CIC, consistent with the Site's remedial program as approved by the New York State Department of Environmental Conservation (NYSDEC) and the New York State Department of Health (NYSDOH). The reporting period addressed in this report is January 1, 2023 to January 1, 2024.

1.1 Summary of Site

Former manufacturing activities at the Site resulted in contamination of soil and groundwater with chlorinated organic solvents, primarily trichloroethylene (TCE) and its decomposition products. In 1986, the contaminant plume was found to extend approximately 1.5 miles downgradient (north) of the Site. The potential contaminant sources identified included a 3,000-gallon aboveground storage tank (AST) that formerly contained TCE, a 20,000-gallon underground storage tank (UST) that formerly contained tramp oil and four areas of stained surface soil associated with past material handling practices. Additionally, a former tumbling area was identified within the building footprint (adjacent to monitoring well MW-L16).

Remedial measures implemented at the Site have included installing a soil vapor extraction (SVE) system and a groundwater extraction and treatment system (GWETS). The SVE system was activated in 1990 and subsequently dismantled at an unknown date between 1996 and 1998. In June 1994, the Classification of the Site was changed from 2 to 4 (site properly closed – required continued management). In accordance with the NYSDEC's letter, dated December 20, 2021, the GWETS was shutdown for a period of two years beginning on January 5, 2022. Post-remediation groundwater monitoring is ongoing.

2 SITE OVERVIEW

2.1 Site Location and Description

The Site is located at 839 NYS Route 13, Town of Cortlandville, County of Cortland and State of New York (Drawing No. 1A, Appendix B). The current layout of the Site is depicted on Drawing No. 1B, Appendix B.

The Site is currently approximately 46.13 acres in size. The Site boundaries have been modified multiple times to remove parcels which were not impacted by the contamination. The Site is developed with a one-story building occupying approximately 415,000 square feet. The building is utilized for office space, warehouse storage and manufacturing. The remainder of the Site consists of employee parking areas, several small outbuildings, treated water infiltration lagoons and vacant undeveloped land.

The Site is bordered on the north by Lime Hollow Road and a predominately residential area. It is bordered on the east by NYS Route 13 and a predominately commercial area. It is bordered on the south by a cemetery and the JM Murray Center. It is bordered on the west by a mixture of undeveloped land, agricultural land and some residential properties.

2.2 Site History

The Site was formerly owned and operated by Smith Corona Corporation (SCC), previously known as SCM Corporation (SCM). SCC utilized the Site for the purposes of manufacturing typewriters. Trichloroethylene (TCE) was used on the Site by SCC during manufacturing processes.

In 1999, S. C. W. P., LLC. (SCWP) purchased land and buildings from SCC and assumed operational responsibilities for the groundwater remediation system.

Cortland Commerce Center, LLC. (CCC) purchased the Site in May of 2010 from SCWP and assumed operational responsibilities for the groundwater remediation system.

The Site boundary has been modified multiple times, including a sub-division in 2022. See Section 3.3. for details.

2.3 Nature and Extent of Contamination

The Site overlies the Otter Creek/Dry Creek aquifer. Town of Cortlandville municipal water wells are located approximately 2,300 feet west of the Site and the City of Cortland municipal water wells are located approximately 1.5 miles north-northeast of the Site.

In or around 1986 a plume of contaminated groundwater was detected during the investigation of an unrelated petroleum spill. This plume extended from the Site approximately 1.5 miles downgradient (generally north) toward the City of Cortland municipal well field. The contaminants in this plume were identified as TCE and related decomposition products.

In accordance with the 1989 Settlement Agreement, monitoring of off-site groundwater contamination has been conducted periodically by the NYSDEC, Cortland County Soil and Water Conservation District and the Cortland County Health Department.

2.4 Chronology of Site Remedial Program

The GWETS, consisting of a recovery well, aeration tower, pipeline, rock cascade and an infiltration lagoon system, remains in place and has not been modified since its original construction.

A brief summary of the Site remediation activities undertaken over the past 35 years is presented below[1]:

- October 1986 - March 1987: Use of TCE was discontinued. Various ASTs and USTs containing TCE, tramp oil, fuel oil and muriatic acid were removed. Visibly contaminated soil encountered during the tank work was also removed. In addition, four areas of stained soil related to past material handling practices were excavated

and disposed of off-site.

- January 1989: The Settlement Agreement for remediation of the Site was signed between the NYSDEC, other parties, and SCC on January 12, 1989.

- September – December 1989: Approval of the remediation Phase I design was obtained from the NYSDEC on September 22, 1989. Phase I consisted of investigation, design, construction and installation of a groundwater recovery well. The groundwater recovery well came on-line on December 29, 1989. The water from the recovery well was utilized for non-contact cooling purposes and discharged into an existing sewer line until the Phase II system could be completed.

- May 1990: Approval of the remediation Phase II design was obtained from the NYSDEC on May 29, 1990. Phase II included installation of a SVE system and groundwater remediation system. The groundwater remediation system consisted of an air stripping column (aeration tower), distribution piping (water from recovery well to the air stripper and from the air stripper to the rock cascade and infiltration lagoons), a rock cascade and engineered infiltration lagoons.

- August 1990: The SVE system came on-line.

- October 1990: The groundwater remediation system came on-line.

- 1996-1998: At an unknown date, the SVE system was shutdown and decommissioned. GeoLogic has not located or reviewed documentation related to the shutdown of the SVE system.

- 1997-1998: At an unknown date, the well monitoring frequency was reduced to annual. GeoLogic has not located or reviewed documentation related to the modification of the sampling frequency.

- April 1999: SCWP purchased the SCC land and buildings and assumed operational responsibilities for the groundwater remediation system.

- May 2001: With the permission of the NYSDEC, the stripping tower blower was turned off. The influent TCE concentration had reduced to the point that the tower was able to reduce TCE levels adequately to meet discharge limits without forced airflow. Sampling frequency for the tower influent, tower discharge and outfall cascade was increased from quarterly to monthly.

- December 2008: a former tumbling area was identified within the building footprint and a groundwater monitoring well (MW-L16) was installed in this area.

- May 2010: CCC purchased the SCWP land and buildings and assumed operational responsibilities for the groundwater remediation system.

- January 2012: A sub-slab depressurization/soil vapor extraction (SSD/SVE) system was energized in the former tumbling area located adjacent to monitoring well MW-L16.

- March to May 2021: A shutdown test of the GWETS was completed at the Site in accordance with a NYSDEC & NYSDOH approved work plan. The purpose of the Shutdown Test was to assess groundwater conditions at the Site under non-pumping conditions. The GWETS was shutdown on March 17, 2021 and returned to service on May 20, 2021. The findings of the shutdown were presented in GeoLogic's report entitled "Shutdown Test Report," dated September 16, 2021. In summary, no changes in groundwater contaminant concentrations were observed during the Shutdown Test and no exceedances were observed in any of the groundwater samples analyzed.

- December 20, 2021: The NYSDEC and NYSDOH accepted the recommendations in the "Shutdown Test Report" to shutdown the GWETS and initiate a two year post-remediation groundwater monitoring program.

- January 5, 2022: The GWETS was shutdown and post-remediation groundwater monitoring commenced.

- February 22, 2022: The NYSDEC and NYSDOH required that a Site Management Plan (SMP) be prepared for the Site. On November 28, 2022, GeoLogic submitted the SMP to the NYSDEC and NYSDOH for their review. On April 19, 2023 the NYDEC issued a response letter requiring revisions to the SMP. GeoLogic revised the SMP and submitted Revision No. 1 to the SMP to the NYSDEC and NYSDOH on September 14, 2023.

2.5 Cleanup and Site Closure Criteria

The site-wide groundwater cleanup criteria for the Site are the New York State Class GA groundwater quality standards. Currently, the standard for TCE is 5 micrograms per liter (µg/L).

Site wells were required to be monitored until all wells meet the clean-up criteria. When all wells meet the clean-up criteria, the remediation system may be shut-down.

Groundwater monitoring will continue for a period of five years after the remedial system is shut-down. If at any time during the post-remediation monitoring period any of the samples exceed the site-wide clean-up criteria, the system will be restarted. For the first two years, post-remediation monitoring will occur quarterly, then semi-annual for the next two years and finally once in the fifth year. If the remedial system must be restarted for any reason, the five-year post-remediation monitoring program will be restarted once the site-wide cleanup criteria has been re-achieved.

3 INSTITUTIONAL AND ENGINEERING CONTROLS

Signed Institutional and Engineering Controls Certification Forms are included in Appendix A.

3.1 Summary of Institutional Controls (ICs)

No ICs are identified in the Settlement Agreement or Record of Decision.

The following ICs have been implemented:

- The Site may only be used for commercial or industrial use;
- The Site and associated delisted parcels must comply with any deed restrictions filed with the Cortland County Clerk;
- All ECs must be operated and maintained as specified in the SMP;
- All ECs must be inspected at a frequency and in a manner defined in the SMP;
- The use of groundwater underlying the Site is prohibited without necessary water quality treatment as determined by the NYSDOH and/or the Cortland County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;
- Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;
- Data and information pertinent to site management must be reported at the frequency and in a manner as defined in the SMP;
- All future activities that will disturb any remaining contamination material must be conducted in accordance with the SMP;
- Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;
- Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in the SMP;
- Access to the Site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the Site owner;
- Prior to constructing any new buildings at the Site, the potential for vapor intrusion must be evaluated (Site boundaries are noted on Drawing No. 1B, Appendix B). Any potential impacts identified must be monitored or mitigated. See the SMP for additional details;

3.2 Summary of Engineering Controls (ECs)

The ECs implemented at the Site are described below:

- A GWETS consisting of an air stripping column (aeration tower), distribution piping (water from recovery well to the aeration tower and from the aeration tower to the infiltration lagoons) and an engineered rock cascade and infiltration lagoons had operated at the Site since 1990.
    - On January 5, 2022, the GWETS was shutdown and post-remediation groundwater monitoring commenced.

3.2.1 Summary of ECs Operations During Reporting Period

Site Monitoring & Groundwater Treatment System

On January 5, 2022, the GWETS was shutdown and post-remediation groundwater monitoring commenced. Section 4.2 details the post-remediation groundwater monitoring that was completed during this reporting period.

Sub-Slab Depressurization (SSD)/Soil Vapor Extraction (SVE) System

The SSD/SVE system, installed in the vicinity of the former tumbling pit, has operated without major breakdown during this reporting period. The system consists of a single extraction point (well MW-L16) connected at a Gast Model R6P350A regenerative blower that extracts 218 cubic feet per minute (cfm) of vapor from under and around the former tumbling pit. Routine maintenance has been performed on system components on an as-needed basis.

A sample of the system emissions was obtained on November 2, 2023. The TCE concentration was reported at 2,000 µg/m^3. The 2023 concentration is an 88.9% decline from the initial concentration of 18,000 µg/m^3 detected in the sample collected on January 10, 2012. The analytical results continue to demonstrate that the system has been and remains effective in removing residual contamination from under and around the former tumbling pit. Table 5 and Chart 6, located in Appendix C and Appendix D respectively, depict the TCE concentrations observed in the SSD/SVE exhaust samples collected since the system was energized in January 2012. The 2023 SSD/SVE analytical results are included in Appendix F.

3.3 Boundary Modification & Sub-Division

In March 2018, the NYSDEC approved a boundary modification for the Site. CCC petitioned the NYSDEC to modify the Site boundary given the specified parcel was not directly involved with the original contamination, was only used as a parking lot and consisted of a small percentage of the overall Site. The parcel was in the northeast quadrant of the Site and consists of 1.955 acres. The parcel was combined with another parcel, 1.550 acres in size, previously removed from the Site in 2008 to form the new Lot

3. Lot 3 is 3.505 acres in size. After the boundary modification, the 2018 Site was 46.226 acres in size.

In April 2022, a 60-Day Advance Notification of Site Change of Use, Transfer of Certificate of Completion, and/or Ownership (Change of Use) form was submitted to the NYSDEC. The Change of Use form detailed plans to sub-divide a portion of the Site and acquire part of an adjoining parcel. No source areas or monitoring wells were identified on the subdivided parcel. The new parcel also included approximately 4 acres of land that was purchased from the adjacent J.M. Murray Center, Inc. The owner of this newly subdivided parcel is Cortland Industrial Center LLC (CIC).

The Site currently consists of two tax parcels. Lot 1 is identified as Section 95.00 Block 10 and Lot 01.110 and Lot 2 is identified as Section 95.00 Block 10 and Lot 01.112 on the Cortland County Tax Map. The current layout of the Site is depicted on Drawing No. 1B, Appendix B.

3.4 Shutdown of GWETS

In their letter, dated December 20, 2021, the NYSDEC and NYSDOH accepted the recommendations in GeoLogic's report entitled "Shutdown Test Report", dated September 16, 2021. In summary, the NYSDEC concurred that the GWETS could be discontinued. The recommendations also detailed the groundwater monitoring required.

On January 5, 2022, the GWETS was shutdown and post-remediation groundwater monitoring commenced. The post-remediation groundwater monitoring is summarized in Section 4.2.

4 MONITORING PLAN

4.1 Monitoring Plan Components

For this reporting period, monitoring at the Site was completed in accordance with the NYSDEC's letter dated December 20, 2021, and consisted of quarterly and annual sampling of groundwater monitoring wells. See Section 4.2 for details. The locations of the monitoring wells are depicted on Drawing No. 2, Appendix B. Sampling event data is discussed in Section 5.

4.2 Summary of Monitoring Completed During Reporting Period

The following post-remediation groundwater monitoring was completed during this reporting period:

- The January 26, 2023 Quarterly Sampling Event included sampling 10 monitoring wells (MW-1S, MW-1D, MW-6, MW-7, MW-8, MW-10S, MW-10D, MW-11, MW-12S and MW-L16);
- The April 24 and 25, 2023 Quarterly Sampling Event included sampling 10 monitoring wells (MW-1S, MW-1D, MW-6, MW-7, MW-8, MW-10S, MW-10D, MW-11, MW-12S and MW-L16);

- The July 26, 2023 Quarterly Sampling Event included sampling 10 monitoring wells (MW-1S, MW-1D, MW-6, MW-7, MW-8, MW-10S, MW-10D, MW-11, MW-12S and MW-L16);

- The November 1 and 2, 2023 Annual Sampling Event included sampling 16 monitoring wells (MW-1S, MW-1D, MW-2S, MW-4D, MW-5S, MW-5D, MW-6, MW-7, MW-8, MW-9, MW-10S, MW-10D, MW-11, MW-12S, MW-12D and MW-L16);

During the 2023 quarterly sampling events all wells were in good working order and able to be sampled.

During the 2023 annual sampling event, all wells except MW-2D and MW-4S were in good working order and able to be sampled. The PVC riser at MW-4S remains broken and MW-2D remains blocked at a depth of approximately 50 feet below ground surface.

All groundwater samples were submitted for analysis to Life Science Laboratories, Inc. (LSL). LSL Central Lab is located at 5854 Butternut Drive, East Syracuse, New York. The groundwater samples were analyzed for specific Volatile Organic Compounds (VOCs) (1,1,1-Trichloroethane, 1,1-Dichloroethene, cis-1,2-Dichloroethene, trans-1,2-Dichloroethene, Trichloroethene, Tetrachloroethene and Vinyl Chloride) utilizing EPA Method 8260B.

4.2.1 Summary of Quarterly Post-Remediation Sampling

Post-remediation quarterly sampling events were completed on January 26, 2023, April 24 and 25, 2023 and July 26, 2023. Each quarterly sampling event consisted of sampling 10 monitoring wells (MW-1S, MW-1D, MW-6, MW-7, MW-8, MW-10S, MW-10D, MW-11, MW-12S and MW-L16). The Annual Sampling event was completed in the 4th quarter.

All quarterly laboratory reports are included in Appendix E. Section 5 below provides an analysis of the data.

4.2.2 Summary of Annual Sampling Event

The annual sampling event was completed on November 1 and 2, 2023. The depth to groundwater was measured in all sixteen (16) monitoring wells during the annual sampling event. Water level measurements were collected prior to groundwater sampling. Based on recorded water levels, shallow and deep groundwater contour maps were prepared (Drawing No. 3 and No. 4, Appendix B). The groundwater flow at the Site is to the north. This is consistent with historical data for non-pumping conditions at the Site.

The field observations, including water levels, for the 2023 annual sampling event are summarized in Table 1, located in Appendix C.

Groundwater samples are submitted for laboratory analysis, the results are reviewed, and the results are detailed in the annual PRR for the Site. The

laboratory reports for the 2023 Annual Sampling event are included in Appendix E. Section 5 below provides an analysis of the data.

The results for the 2023 annual sampling event have been up-loaded to the NYSDEC EQuIS database.

4.3 Monitoring Deficiencies

During the annual sampling event (November 1 and 2, 2023), the following deficiencies were noted:

- Monitoring well MW-4S remains unable to be sampled due to the PVC riser being broken at a depth of approximately 3 feet bgs. No TCE concentrations above 5 µg/L have ever been observed at this well; the maximum TCE concentration of 2 µg/L was observed in November of 1990 and August of 1991. Water levels will continue to be collected from this well.

- Monitoring well MW-2D remains unable to be sampled due to blockage within the well at a depth of approximately 50 feet bgs. The quarterly monitoring completed during this reporting period supplemented the monitoring of conditions at the down gradient property boundary.

5 DATA TRENDS AND REMEDIAL EFFECTIVENESS

5.1 Data Summary

Data from the monthly, quarterly and annual groundwater sampling events are summarized in the following tables and charts and are included in Appendix C and Appendix D.

- APPENDIX C: Tables

    - Table 1: Groundwater Sampling Field Observations – November 2023 Annual Sampling;
    - Table 2: Summary of Post-Remediation Groundwater Analytical Results – November 2023 Annual Sampling;
    - Table 3: Summary of Post-Remediation Groundwater Analytical Results – January through July 2023;
    - Table 4: Summary of Historic Groundwater Analytical Results;
    - Table 5: Comparison of TCE Concentrations in SSD/SVE Exhaust Samples.

- APPENDIX D: Charts

    - Chart 1: TCE Concentrations in Perimeter Shallow Wells;
    - Chart 2: TCE Concentrations in Perimeter Deep Wells;
    - Chart 3: TCE Concentrations in Interior Shallow Wells;
    - Chart 4: TCE Concentrations in Interior Deep Wells;
    - Chart 5: TCE Concentrations in MW-L16;
    - Chart 6: TCE Concentrations in SSD/SVE Exhaust.

5.2 Groundwater Quality Data

The groundwater monitoring wells are categorized into four (4) groups (Perimeter Shallow, Perimeter Deep, Interior Shallow and Interior Deep). Groundwater quality data trends are broken-down by the four groups of monitoring wells as indicated below:

- **Perimeter Shallow Wells (MW-1S, MW-2S, MW-4S, MW-5S and MW-10S)**

  No TCE concentrations above the cleanup objective of 5 µg/L were reported in any of the samples collected from the perimeter shallow wells sampled during the quarterly or annual sampling events.

  Note: MW-4S could not be sampled due to the broken PVC riser.

- **Perimeter Deep Wells (MW-1D and MW-10D)**

  No TCE concentrations above the cleanup objective of 5 µg/L were reported in any of the samples collected from the perimeter deep wells sampled during the quarterly or annual sampling events.

- **Interior Shallow Wells (MW-6, MW-7, MW-8, MW-11 and MW-12S)**

  No TCE concentrations above the cleanup objective of 5 µg/L were reported in any of the samples collected from the interior shallow wells sampled during the quarterly or annual sampling events.

- **Interior Deep Wells (MW-9 and MW-12D)**

  No TCE concentrations above the cleanup objective of 5 µg/L were reported in any of the samples collected from the interior deep wells sampled during the quarterly or annual sampling events.

5.3 Performance and Effectiveness of the ICs/ECs

Given that no TCE concentrations above the cleanup objective of 5 µg/L were reported in any of the samples collected during this reporting period, the GWETS was effective at removing contamination from the subsurface.

6 RECOMMENDATIONS

The post-remediation groundwater monitoring specified in the NYSDEC's letter, dated December 20, 2021, has been completed. No TCE concentrations above the cleanup objective of 5 µg/L were reported in any of the samples collected during the two year post-remediation groundwater monitoring.

The following modification to the groundwater monitoring is recommended:

- Semi-annual groundwater monitoring is recommended for a period of one year. All 16 monitoring wells (MW-1S, MW-1D, MW-2S, MW-4D, MW-5S, MW-5D, MW-6, MW-7, MW-8, MW-9, MW-10S, MW-10D, MW-11, MW-12S, MW-12D and MWL-16) will be sampled during each sampling event. The groundwater monitoring will be completed in the spring and fall.

- The groundwater samples will be submitted for analysis of specific VOCs (1,1,1-Trichloroethane, 1,1-Dichloroethene, cis-1,2-Dichloroethene, trans-1,2-Dichloroethene, Trichloroethene, Tetrachloroethene and Vinyl Chloride) utilizing EPA Method 8260B.

- The laboratory analysis results will be detailed in the annual PRR prepared for the Site.

- If at any time during the post-remediation monitoring period any of the samples exceed the site-wide clean-up criteria, the need to restart the GWETS will be evaluated.

It is also recommended that the SSDS/SVE system, installed in former tumbling area located adjacent to monitoring well MW-L16, continue to operate.

7 REFERENCES

[1]*2009 Periodic Review* Report, February 2010, Buck Engineering, LLC.

[2] Remediation *System As-Built Report*, December 1991, O'Brien & Gere.

[3] *Focused Feasibility Study*, May 1988, O'Brien & Gere.

8 CERTIFICATION

Signed Institutional and Engineering Controls Certification Forms are included in Appendix A.

We certify that to the best of our professional knowledge and belief, we meet the definition of *Environmental Professional* as defined in 312.10 of 40 CFR 312. We further certify this report to be factually presented to the best of our knowledge and belief.

Prepared by,

GeoLogic NY, P.C.

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APPENDIX A

INSTITUTIONAL AND ENGINEERING CONTROLS CERTIFICATION FORM

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

Site Details **Box 1**

Site No. 712006

Site Name SCM - Cortlandville

Site Address: 839 Route 13 South Zip Code: 13045
City/Town: Cortlandville
County: Cortland
Site Acreage: 46.226

Reporting Period: January 01, 2023 to January 01, 2024

	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? 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. 712006 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
95.00-10-01.100	David Yaman Realty Services	Site Management Plan

Decision Document (ROD), Site Management Plan (SMP).

Box 4

Description of Engineering Controls

Parcel	Engineering Control
95.00-10-01.100	Vapor Mitigation Groundwater Treatment System Groundwater Containment

The ROD identified engineering controls required for OU1 (onsite). These controls include the continued operation and maintenance of the groundwater extraction & treatment system until groundwater quality meets the cleanup criteria of 5 ug/L for TCE for all wells.
The groundwater monitoring wells must be sampled at periodic intervals (currently annually). As outlined in 2001 correspondence, the groundwater extraction & treatment system may be operated without the blower component as long as effluent concentrations remain below 5 ug/L for TCE, and with monthly monitoring of the groundwater extraction & treatment system influent & effluent. The blower and a backup blower must remain in place and in working condition. The groundwater extraction system also acts as the onsite groundwater containment system, designed to eliminate contaminant migration offsite.
A Soil Vapor Extraction system was installed as part of the remedial program. The SVE was operational from August 1990 until operation was discontinued sometime after May 1994.
A sub-slab depressurization system (SSDS) is installed in portions of the main warehouse building in the area of the former Tumbling Pit. The SSDS is required to operate continuously.

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.

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. 712006

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 Forrest C. Earl, P.G. (print name) at GeoLogic NY, P.C. P.O. Box 350, Homer, NY 13077 (print business address),

am certifying as Designated Representative for Owner (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

1-30-24
Date

EC CERTIFICATIONS

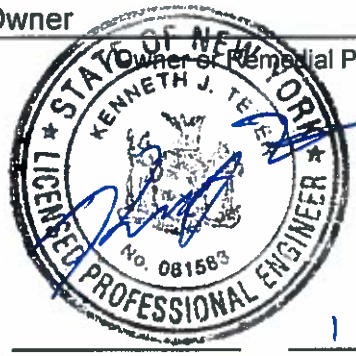
Box 7

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 Kenneth J. Teter, P.E. at K. Teter Consulting, LLC. 32 Clinton St., Homer, NY 13077,
print name print business address

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



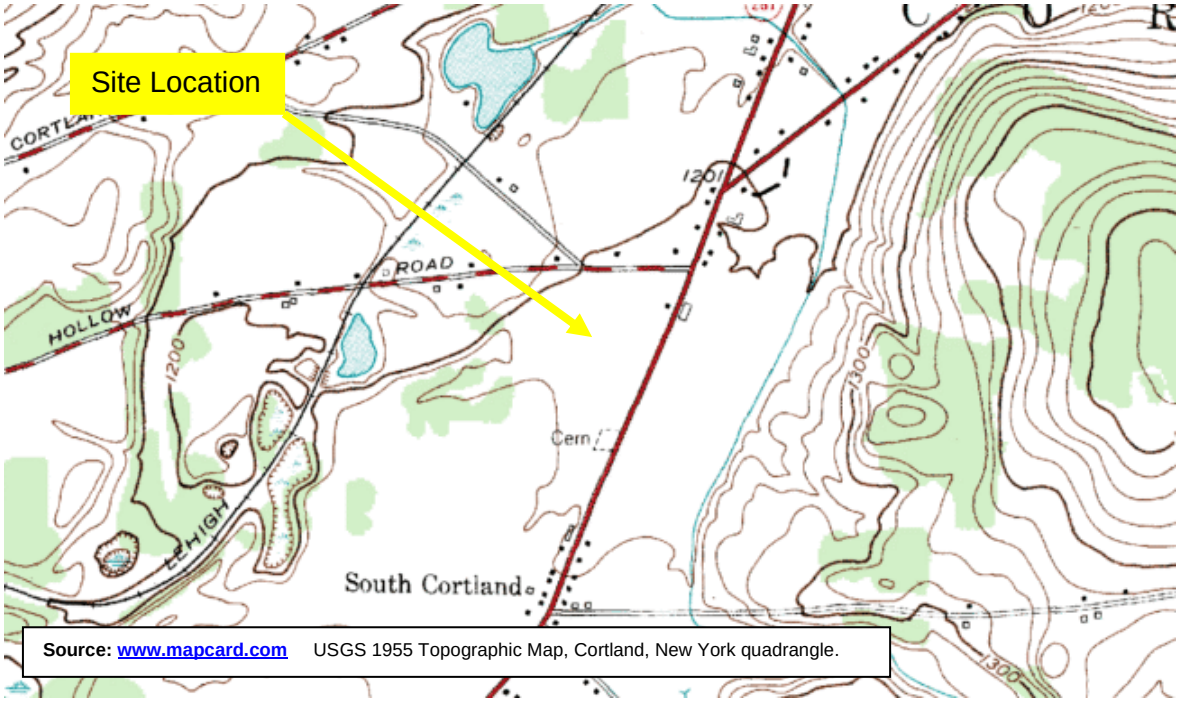
Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

1/30/24
Date

APPENDIX B

DRAWINGS



Source: www.mapcard.com USGS 1955 Topographic Map, Cortland, New York quadrangle.

Source: www.earth.google.com

N

Project North

GeoLogic

GeoLogic NY, P.C.

SITE LOCATION PLAN
SITE #: 712006
FORMER SCM-CORTLANDVILLE
839 NYS ROUTE 13, CORTLANDVILLE, NY

DRAWN BY:	SCALE:	PROJECT NO:
CTG	Not To Scale	210087
REVIEWED BY:	DATE:	DRAWING NO:
FCE	JAN. 2024	1A

Drawing No. 1B
SITE LAYOUT PLAN
SITE NO.: 712006

NORTH

95.00-06-10
YAN PORT WAREHOUSE CORP
& SUSSKIND (RO)
DOC 2010-0807

95.00-06-11
DRAKE (RO)
L.481/P.166

95.00-10-11.1
CB CORTLANDVILLE.LLC (RO)
DOC 2008-1414
PARCEL"A" FM#1031471-001

95.00-10-08.1
JM MURRAY CENTER. INC (RO)
DOC 1996-1369
PARCELS"C"&"D"
FM#1031471-001

95.00-10-01.2
JM MURRAY CENTER
INC (RO)
INST 1031471-005

95.00-10-10.000
SCWP. INC. (RO)
DOC. 1999-1673

95.00-10-03
SCWP.INC (RO)
DOC 1999-1673

95.00-10-05.0
THE FERGUS
COMPANY,LLC (RO)
DOC.2003-1990

95.00-10-06.0
FIRST NATIONAL
BANK OF DRYDEN(RO)
INST#1019175-004

95.00-10-04.0
TOMPKINS TRUST
COMPANY (RO)
INST# 1029541-001

LOT 2
19.770 ACRES
861184 SQ FT
LOT 2 TAX ID: 95.00-10-01.112

LOT 1
30.749 ACRES
1339448 SQFT
LOT 1 TAX ID: 95.00-10-01.110

3.971 ACRES
172962 SQ FT

CURRENT SITE BOUNDARY
DELISTED IN 2018 & 2008
SUBDIVIDED IN 2022

2-STY BUILDING
839 N.Y.S. ROUTE 13
CORTLAND NY 13045

LAGOON
LAGOON
BACK-UP LAGOON
STORM WATER LAGOON

9 CA-74°40'33" RAD- 36.21' ARC- 47.19' CHRD- 43.92' S 78°16'36"W	2 CA-78°48'13" RAD- 30.00' ARC- 41.26' CHRD- 38.09' N 70°27'57"E
10 CA-43°02'21" RAD- 97.00' ARC- 72.86' CHRD- 71.16' N 85°55'32"W	3 CA-78°48'13" RAD- 30.00' ARC- 41.26' CHRD- 38.09' N 8°20'15"W
11 CA-97°06'52" RAD- 34.98' ARC- 59.30' CHRD- 52.45' S 66°50'47"E	4 CA-34°10'32" RAD- 140.00' ARC- 83.51' CHRD -82.27' N 48°09'07"E
12 CA-76°03'56" RAD- 24.44' ARC- 32.44' CHRD- 30.11' S 19°44'37"W	5 CA-35°10'58" RAD- 70.00' ARC- 42.98' CHRD- 42.31' N 47°38'54"E
13 CA-74°52'37" RAD- 30.00' ARC- 39.21' CHRD- 36.47' S 70°19'31"W	6 CA-21°25'15" RAD- 35.00' ARC- 13.09' CHRD- 13.01' N 40°46'02"E
	7 CA-84°06'40" RAD- 23.00' ARC- 33.76' CHRD- 30.81' S 20°10'43"W

60 FT WIDE RECIPROCAL EASEMENT AGREEMENT CENTERED ON THE BOUNDARY LINE FROM NYS RTE 13 WEST BOUNDARY LINE TO WEST LINE TP 95.00-10-11.2
REF: INST# 1031471-012

20' WIDE UTILITY EASEMENT RESERVED BY HSCM-10, INC. FOR FUTURE USE

"CEMETERY LOT"
95.00-10-07
L.73, P.323
(1884)

0.267 ACRES
11608 SQ FT

0.609 ACRES
26540 SQ FT

"FIRST NATIONAL BANK OF DRYDEN" SIGN, SEE EASEMENT AT INSTRUMENT 1042394-001

WATER LINE EASEMENT TO THE TOWN OF CORTLANDVILLE DEED BOOK 517 AT PAGE 46

UNDERGROUND TV CABLE (16'+/- FROM CL) SAMMONS COMMUNICATIONS, INC. 346/1092

DRAINAGE EASEMENT THIS AREA ALL IN ROAD R.O.W. TO CORTLANDVILLE LIBER 327 / PAGE 342

OVERHEAD ELECTRIC & TELEPHONE LINES UNDERGROUND TELEPHONE CABLE (APPROX) NEW YORK TELEPHONE AND AT&T 176/355 173/318 177/004

PROPOSED NEW ROAD TO LIME HOLLOW ROAD

WATER LINE EASEMENT TO THE TOWN OF CORTLANDVILLE INSTRUMENT NO 1996-3151

REVISED HIGHWAY BOUNDARY CORTLAND COUNTY MAP 89 PARCEL 96 INSTRUMENT NO. 1998-2310

NEW YORK STATE ROUTE 13 (SOUTH)

3014.08'ALONG CL TO CL LIME HOLLOW ROAD--)

(-- S 31°14'11"W 653.85'

N 31°33'10"E -) 2510.79' TO CL LIME HOLLOW ROAD --)

N 31°33'10"E -) 1834.99' TO CL LIME HOLLOW ROAD --)

POINT OF BEGINNING

N 31°28'59"E-) 785.92'

N 31°28'59"E 171.50'

N 58°56'09"W 234.40'

N 31°03'51"E-) 187.99'

N 81°00'00"W 24.46'

N 17°18'31"W 179.53'

N 81°29'00"W 117.98'

N 8°31'00"E 105.02'

N 82°54'30"W 474.00'

S 87°01'15"E-) 340.06'

N 87°01'30"W 272.00'

S 7°55'49"W 435.09'

N 83°07'02"E-) 619.22'

S 24°16'01"E 45.19'

S 5°17'05"E 177.29'

S 31°18'03"W 149.05'

S 58°29'09"E 17.00'

N 58°29'09"W 17.00'

N 33°11'43"W 44.20'

S 57°55'55"E 246.42'(RC-RC)

S 32°00'17"W 746.92'

N 57°14'00"W 26.88'

N 29°34'10"E-) 56.15'

S 32°27'08"W 182.78'

CA-100°02'53"
RAD- 325.64'
ARC- 568.63'
CHRD- 499.09'
S 32°14'51"W

CENTERLINE OF DRAINAGE SWALE

CENTERLINE OF PAVEMENT (NOVEMBER 1994)

15'CLAY TILE CONNECTION TO MUNICIPAL SEWER SYSTEM

FENCE AND STONE WALL AND TREE ROW

OVERHEAD WIRES TEL. & ELECT.

CHAIN LINK FENCE

FIRE PROTECTION WATER MAIN (APPROX. LOCATION - TYPICAL)

PROCESS WATER LINE (APPROX.)

(APPROX) PROCESS WATER LINE

2"COPPER PIPE FOR DRINKING WATER (EXACT ROUTE OF EXISTING PIPE IS UNKNOWN)

"FIRE PROTECTION WATER LINE (TYPICAL) (SCALED FROM OWNER AS-BUILT DRAWINGS)

EXISTING 8" SANITARY SEWER

EXISTING 8-SAN. SEWER

SANITARY SEWER EASEMENT - 0.609 ACRES 26540 SQ FT

SAN SEWER 27.59' EASEMENT

20' SANITARY SEWER EASEMENT TO CORTLANDVILLE

HIGHWAY BOUNDARY

ROAD AS PAINTED

STUPKE ROAD

LANDS OF (REPUTED OWNER): CORTLAND COMMERCE CTR. LLC
NYS RTE 13 & LIME HOLLOW ROAD - CORTLAND COUNTY
TOWN OF CORTLANDVILLE - NEW YORK STATE

RAISED SEAL

DEED REFERENCE (INSTRUMENT#): 2010-026998
TAX MAP PARCEL#: 95.00-10-01.110
SURVEY DATE: JAN 2022 SCALE: 1"=100'

STOCKWIN SURVEYING
13 MORNINGSIDE DRIVE
CORTLAND NY 13045-1413
PHONE: (607) 749-5263
FILE NO. AV117SUBR

ALL REVISIONS MUST COMPLY WITH SECT.7209 SUBDIVISION 2 OF THE N.Y.S. EDUCATION LAW

STOCKWIN SURVEYING

PROPOSED 2 LOT SUBDIVISION

I HEREBY CERTIFY THAT I AM A LICENSED LAND SURVEYOR, NYS LICENSE NO.049012 AND THAT THIS MAP WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION; THAT THE SURVEY ON GROUND BY ME OR UNDER MY DIRECT SUPERVISION; THAT IT WAS PREPARED IN ACCORDANCE WITH THE CURRENT CODE OF PRACTICE FOR LAND TITLE SURVEYS ADOPTED BY THE NEW YORK STATE ASSOCIATION OF PROFESSIONAL LAND SURVEYORS AND THAT I FOUND NO VISIBLE ENCROACHMENTS EITHER WAY ACROSS BOUNDARY LINES (AS DESCRIBED IN THE DOCUMENTS REFERENCED HEREON) EXCEPT AS SHOWN HEREON. ONLY VALID COPIES OF THIS MAP WILL BEAR A RAISED SEAL AND AN ORIGINAL SIGNATURE (IN RED INK).

12 MAY 2022
DATE OF CERTIFICATION — SIGNATURE (R.JAMES STOCKWIN. PLS # 049012)

CERTIFICATIONS INDICATED HEREON SHALL RUN ONLY TO THE PERSON FOR WHOM THE SURVEY IS PREPARED, AND ON HIS BEHALF TO THE TITLE COMPANY, GOVERNMENTAL AGENCY AND LENDING INSTITUTION (AND ITS ASSIGNEES) LISTED HEREON. CERTIFICATIONS ARE NOT TRANSFERABLE TO SUBSEQUENT OWNERS OR AGENCIES.

NOTE:
UNDERGROUND UTILITY LINES AND DATA HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND OTHER SURVEYS (REFERENCED TO EXISTING SURFACE EVIDENCE AS SHOWN HERE-ON). THE LOCATIONS SHOWN ARE THEREFORE APPROXIMATIONS ONLY. THERE MAY BE OTHER UTILITY LINES NOT IN EVIDENCE. THIS MAP DOES NOT CERTIFY THE EXACT LOCATION OF. NOR THE SIZE. MATERIAL. DEPTH OR USAGE DETAILS NOTED.

LIME HOLLOW ROAD

CL

STUPKE ROAD

N

WELL 5-D
WELL 5-S
MW-1S
MW-1D
MW-10D
MW-10S
MW-2S
MW-2D
MW-4D
MW-4S

BACK-UP LAGOON
LAGOON
LAGOON
STORM WATER LAGOON

1.550 Acres Removed in 2008

Lot 3
1.955 Acres Removed in 2018

RECOVERY
PIEZOMETER
MW-12S
MW-12D
MW-7
MW-9
MW-11
MW-6
MW-8
MW-L16

CHAIN LINK FENCE
WATER STORAGE TANKS FOR FIRE PROTECTION
AWNINGS
S.C.W.P. BUILDING
TOMPKINS TRUST COMPANY (RD)
CONNOR DRIVEWAY
"ADVANCE AUTO PARTS" RETAIL STORE
FIRST NATIONAL BANK OF DRYDEN

N.Y.S. ROUTE 13

WELL CATEGORY TABLE	
WELL	CATEGORY
MW-1S	Shallow
MW-1D	Deep
MW-2S	Shallow
MW-2D	Deep
MW-3	Shallow
MW-4S	Shallow
MW-4D	Deep
MW-5S	Shallow
MW-5D	Deep
MW-6	Shallow
MW-7	Shallow
MW-8	Shallow
MW-9	Deep
MW-10S	Shallow
MW-10D	Deep
MW-11	Shallow
MW-12S	Shallow
MW-12D	Deep
Piezometer	Deep
Recovery Well	Shallow
MW-L16	Shallow

LEGEND:

- MONITORING WELL LOCATION
- RECOVERY WELL LOCATION
- PIEZOMETER LOCATION

APPROXIMATE SCALE:

0' 10' 70' 140' 280'

NOTE: Drawing based on Stockwin Surveying, 69 James Street, Homer, NY, Drawing, Dated 02/22/06.

This map does not constitute a survey and is intended to convey approximate sample locations and site features.

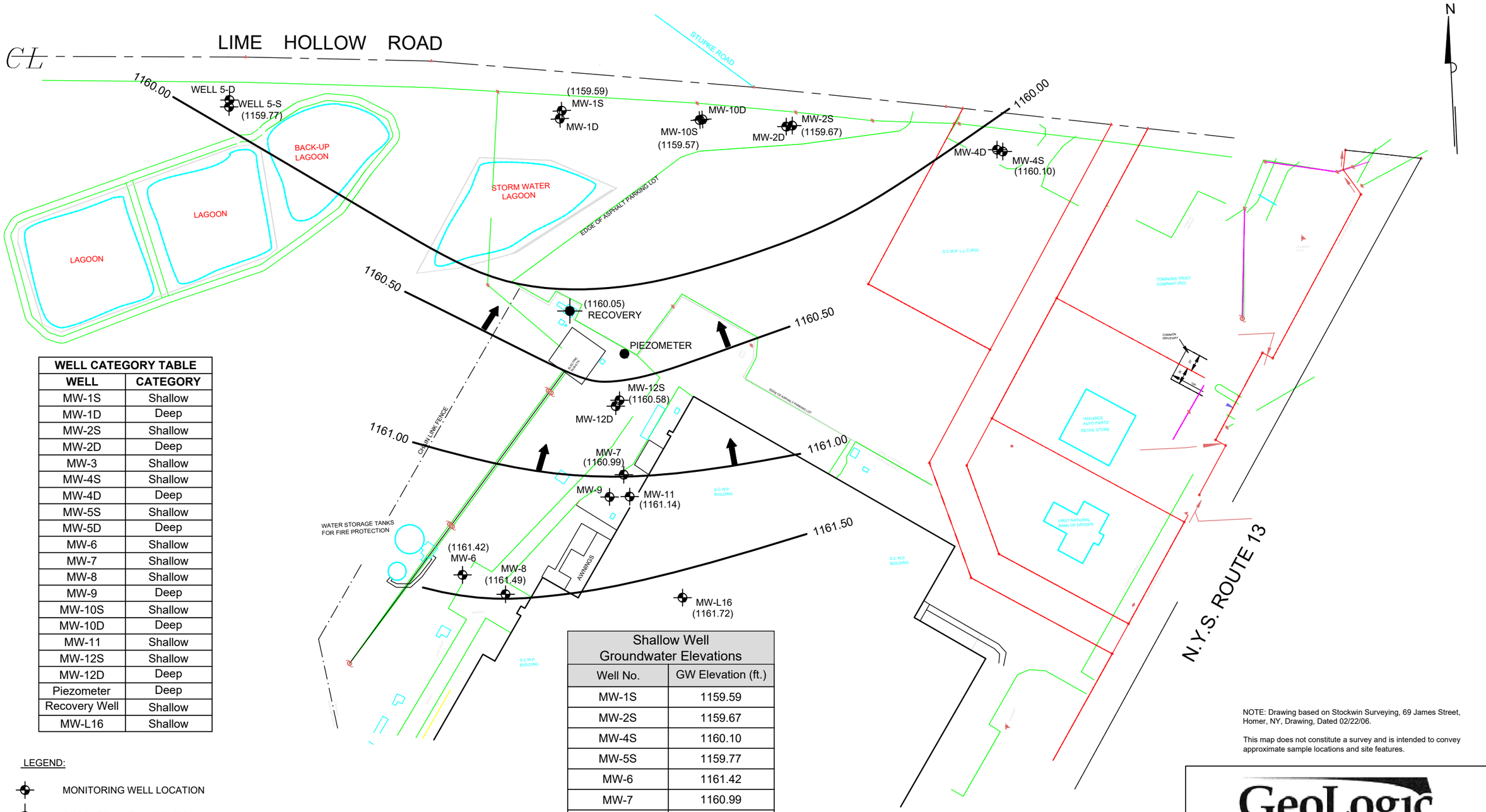
GeoLogic

GeoLogic NY, PC, Homer, New York

MONITORING WELL LOCATION PLAN
FORMER SCM-CORTLANDVILLE (NYSDEC SITE NO. 712006)
839 NYS ROUTE 13
CORTLANDVILLE, NEW YORK

DRAWN BY:	SCALE:	PROJECT NO.:
RTS/CTG	AS SHOWN	210087
REVIEWED BY:	DATE:	DRAWING NO.:
FCE	NOV. 2023	2

\210087\TECH\DRAWINGS\MONITORING WELL LOCATION PLAN Dec. 2023



WELL CATEGORY TABLE	
WELL	CATEGORY
MW-1S	Shallow
MW-1D	Deep
MW-2S	Shallow
MW-2D	Deep
MW-3	Shallow
MW-4S	Shallow
MW-4D	Deep
MW-5S	Shallow
MW-5D	Deep
MW-6	Shallow
MW-7	Shallow
MW-8	Shallow
MW-9	Deep
MW-10S	Shallow
MW-10D	Deep
MW-11	Shallow
MW-12S	Shallow
MW-12D	Deep
Piezometer	Deep
Recovery Well	Shallow
MW-L16	Shallow

Shallow Well Groundwater Elevations	
Well No.	GW Elevation (ft.)
MW-1S	1159.59
MW-2S	1159.67
MW-4S	1160.10
MW-5S	1159.77
MW-6	1161.42
MW-7	1160.99
MW-8	1161.49
MW-10S	1159.57
MW-11	1161.14
MW-12S	1160.58
Recovery Well	1160.05
MW-L16	1161.72

LEGEND:

- MONITORING WELL LOCATION
- RECOVERY WELL LOCATION
- PIEZOMETER LOCATION
- (1164.99) GROUNDWATER ELEVATION (FT.) FOR 11/1/2023 AND 11/2/2023.
- 1162.0 GROUNDWATER ELEVATION CONTOUR FOR 11/1/2023 AND 11/2/2023.
- DIRECTION OF GROUNDWATER FLOW

\..\210087\TECH\DRAWINGS\SHALLOW WELL GW CONTOUR MAP 11/1/2023 & 11/2/2023.DWG

APPROXIMATE SCALE:

0' 10' 70' 140' 280'

NOTE: Drawing based on Stockwin Surveying, 69 James Street, Homer, NY, Drawing, Dated 02/22/06.

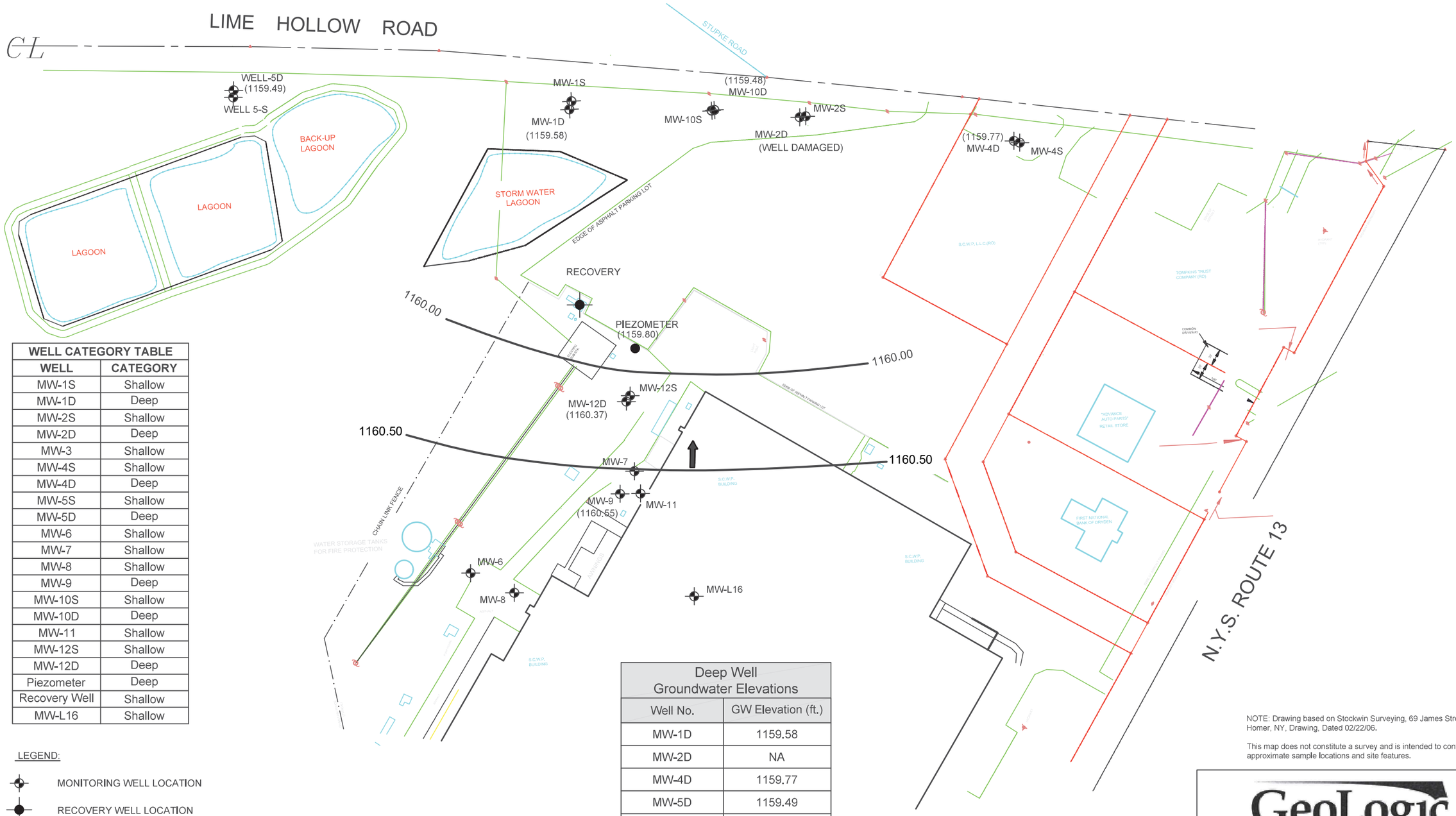
This map does not constitute a survey and is intended to convey approximate sample locations and site features.

GeoLogic

GeoLogic NY, PC, Homer, New York

SHALLOW WELL GROUNDWATER CONTOUR MAP
FOR 11/1/2023 AND 11/2/2023
FORMER SCM-CORTLANDVILLE (NYSDEC SITE NO. 712006)
839 NYS ROUTE 13
CORTLANDVILLE, NEW YORK

DRAWN BY:	SCALE:	PROJECT NO.:
RTS/CTG	AS SHOWN	210087
REVIEWED BY:	DATE:	DRAWING NO.:
FCE	NOV. 2023	3



WELL CATEGORY TABLE	
WELL	CATEGORY
MW-1S	Shallow
MW-1D	Deep
MW-2S	Shallow
MW-2D	Deep
MW-3	Shallow
MW-4S	Shallow
MW-4D	Deep
MW-5S	Shallow
MW-5D	Deep
MW-6	Shallow
MW-7	Shallow
MW-8	Shallow
MW-9	Deep
MW-10S	Shallow
MW-10D	Deep
MW-11	Shallow
MW-12S	Shallow
MW-12D	Deep
Piezometer	Deep
Recovery Well	Shallow
MW-L16	Shallow

LEGEND:

- MONITORING WELL LOCATION
- RECOVERY WELL LOCATION
- PIEZOMETER LOCATION
- (1164.99) GROUNDWATER ELEVATION (FT.) FOR 11/1/2023 AND 11/2/2023.
- 1162.0 GROUNDWATER ELEVATION CONTOUR FOR 11/1/2023 AND 11/2/2023.
- DIRECTION OF GROUNDWATER FLOW

\..\210087\TECH\DRAWING\DEEP WELL GW CONTOUR MAP 11/1/2023 & 11/2/2023.DWG

Deep Well Groundwater Elevations	
Well No.	GW Elevation (ft.)
MW-1D	1159.58
MW-2D	NA
MW-4D	1159.77
MW-5D	1159.49
MW-9	1160.55
MW-10D	1159.48
MW-12D	1160.37
Piezometer	1159.80

APPROXIMATE SCALE:

0' 10' 70' 140' 280'

NOTE: Drawing based on Stockwin Surveying, 69 James Street, Homer, NY, Drawing, Dated 02/22/06.

This map does not constitute a survey and is intended to convey approximate sample locations and site features.

GeoLogic

GeoLogic NY, PC, Homer, New York

DEEP WELL GROUNDWATER CONTOUR MAP
FOR 11/1/2023 AND 11/2/2023.
FORMER SCM-CORTLANDVILLE (NYSDEC SITE NO. 712006)
839 NYS ROUTE 13
CORTLANDVILLE, NEW YORK

DRAWN BY:	SCALE:	PROJECT NO.:
RTS/CTG	AS SHOWN	210087
REVIEWED BY:	DATE:	DRAWING NO.:
FCE	NOV. 2023	4

APPENDIX C

TABLES

TABLE 1.
Field Observations: 2023 Annual Groundwater Sampling Event

Field Observations: Annual Groundwater Sampling Event: November 1 & 2, 2023								
Well#	CATEGORY	**TOP PVC ELEVATION	TOP PVC WATER LEVEL (FT)	GW ELEVATION	DEPTH OF WELL (FT)	VOLUME (GAL.) of WATER in WELL	APPROX. VOLUME PURGED (GAL.)	Notes
MW-1S	Shallow -Perimeter	1185.75	26.16	1159.59	39.50	2.1	7	Clear.
MW-1D	Deep - Perimeter	1185.85	26.27	1159.58	70.50	7.1	26	Clear.
MW-2S	Shallow -Perimeter	1210.91	51.24	1159.67	70.20	3.0	9.3	Cloudy.
MW-2D	Deep - Perimeter	1211.61	-	-	104.00	N/A	N/A	No sample or water level. Well damaged.
MW-4S	Shallow -Perimeter	1209.72	49.62	1160.10	73.79	3.9	N/A	No sample, water level only. Well damaged.
MW-4D	Deep - Perimeter	1210.14	50.37	1159.77	104.23	8.6	30	Clear.
MW-5S	Shallow -Perimeter	1178.46	18.69	1159.77	40.00	3.4	11	Clear.
MW-5D	Deep - Perimeter	1178.86	19.37	1159.49	71.88	8.4	28	Clear.
MW-6	Shallow - Interior	1211.42	50.00	1161.42	56.50	1.0	3.5	Light brown.
MW-7	Shallow - Interior	1211.56	50.57	1160.99	58.75	1.3	4	Dark brown, turbid.
MW-8	Shallow - Interior	1212.76	51.27	1161.49	61.42	1.6	5	Very Light brown.
MW-9	Deep - Interior	1211.12	50.57	1160.55	99.00	7.7	30	Clear.
MW-10S	Shallow -Perimeter	1207.23	47.66	1159.57	62.00	2.3	7	Clear.
MW-10D	Deep - Perimeter	1207.52	48.04	1159.48	99.00	8.2	28	Clear.
MW-11	Shallow - Interior	1214.44	53.30	1161.14	59.50	1.0	3.5	Dark brown, turbid & sheen.
MW-12S	Shallow - Interior	1212.94	52.36	1160.58	62.00	1.5	5	Light brown.
MW-12D	Deep - Interior	1212.80	52.43	1160.37	89.00	5.9	28	Clear.
MW-L16	Shallow	1212.99	51.27	1161.72	60.00	1.4	4.5	Light brown.
Piezometer	Deep	1212.59	52.79	1159.80	124.16	N/A	N/A	No sample, water level only.
Recovery Well	Shallow & Deep	1205.62	45.57	1160.05	94.00	N/A	N/A	No sample, water level only.

Notes:
** Top of PVC elevations were determined from survey by Jim Stockwin, LS, 2006.
N/A = Not applicable.

Summary of Post-Remediation Groundwater Analytical Results - November 2023 Annual Sampling

Site Specific VOCs	NYSDEC GW Standard or Guidance Value	MW-1S GW Sample 11/1/2023	MW-1D GW Sample 11/1/2023	MW-2S GW Sample 11/1/2023	MW-4D GW Sample 11/1/2023	MW-5S GW Sample 11/1/2023	MW-5D GW Sample 11/1/2023	MW-6 GW Sample 11/2/2023	MW-7 GW Sample 11/2/2023	MW-8 GW Sample 11/2/2023	MW-9 GW Sample 11/2/2023
1,1,1-Trichloroethane	5	ND <0.50	ND <0.50	ND <0.50	ND <0.50	ND <0.50	ND <0.50	ND <1.00	ND <1.00	ND <1.00	ND <0.50
1,1-Dichloroethene	5	ND <0.50	ND <0.50	ND <0.50	ND <0.50	ND <0.50	ND <0.50	ND <1.00	ND <1.00	ND <1.00	ND <0.50
cis-1,2-Dichloroethene (DCE)	5	ND <0.50	ND <0.50	ND <0.50	ND <0.50	ND <0.50	ND <0.50	ND <1.00	ND <1.00	ND <1.00	ND <0.50
Tetrachloroethene	5	0.10 J	ND <0.50	ND <0.50	ND <0.50	ND <0.50	ND <0.50	ND <1.00	ND <1.00	ND <1.00	ND <0.50
trans-1,2-Dichloroethene	5	0.15 J	0.15 J	ND <0.50	ND <0.50	ND <0.50	ND <0.50	ND <1.00	0.20 J	ND <1.00	ND <0.50
Trichloroethene (TCE)	5	0.52	0.30 J	0.41 J	0.27 J	0.36 J	0.48 J	0.58 J	0.78 J	0.34 J	0.39 J
Vinyl Chloride (VC)	2	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.00	ND <2.00	ND <2.00	ND <2.00	ND <1.00

Site Specific VOCs	NYSDEC GW Standard or Guidance Value	MW-10S GW Sample 11/1/2023	MW-10D GW Sample 11/1/2023	MW-11 GW Sample 11/2/2023	MW-12S GW Sample 11/1/2023	MW-12D GW Sample 11/1/2023	MW-L16 GW Sample 11/2/2023
1,1,1-Trichloroethane	5	ND <1.00	ND <0.50	ND <1.00	ND <1.00	ND <0.50	ND <1.00
1,1-Dichloroethene	5	ND <1.00	ND <0.50	ND <1.00	ND <1.00	ND <0.50	ND <1.00
cis-1,2-Dichloroethene (DCE)	5	ND <1.00	ND <0.50	0.32 J	ND <1.00	ND <0.50	ND <1.00
Tetrachloroethene	5	ND <1.00	ND <0.50	ND <1.00	ND <1.00	ND <0.50	ND <1.00
trans-1,2-Dichloroethene	5	ND <1.00	ND <0.50	ND <1.00	ND <1.00	ND <0.50	ND <1.00
Trichloroethene (TCE)	5	0.50 J	0.41 J	0.92	0.46 J	0.41 J	0.58 J
Vinyl Chloride (VC)	2	ND <2.00	ND <1.00	ND <2.00	ND <2.00	ND <1.00	ND <2.00

NOTES:
All concentrations reported in micrograms per liter (µg/L) ~ parts per billion (ppb). Refer to the laboratory's analytical report for additional details.
NYSDEC Groundwater (GW) Standard = Class GA water quality standards and guidance values listed in the NYSDEC Division of Water Technical and Operation Guidance Series 1.1.1 (TOGS 1.1.1, June 1998) and subsequent addendums.
ND - Not Detected at the Practical Quantitation Limit (PQL).
J - Analyte detected below the PQL.
Concentration exceeds NYSDEC GW standard or guidance value.

Table 3: Page 1 of 1
Summary of Post-Remediation Groundwater Analytical Results - January to July 2023
Former SCM - Cortlandville

Site Specific VOCs	NYSDEC GW Standard or Guidance Value	MW-1S GW Sample 1/26/2023	MW-1D GW Sample 1/26/2023	MW-6 GW Sample 1/26/2023	MW-7 GW Sample 1/26/2023	MW-8 GW Sample 1/26/2023	MW-10S GW Sample 1/26/2023	MW-10D GW Sample 1/26/2023	MW-11 GW Sample 1/26/2023	MW-12S GW Sample 1/26/2023	MW-L16 GW Sample 1/26/2023
1,1,1-Trichloroethane	5	ND <0.50	ND <0.50	ND <1.00	ND <2.50	ND <1.00	ND <1.00	ND <0.50	ND <5.00	ND <2.50	ND <1.00
1,1-Dichloroethene	5	ND <0.50	ND <0.50	ND <1.00	ND <2.50	ND <1.00	ND <1.00	ND <0.50	ND <5.00	ND <2.50	ND <1.00
cis-1,2-Dichloroethene (DCE)	5	0.12 J	ND <0.50	ND <1.00	ND <2.50	ND <1.00	ND <1.00	ND <0.50	ND <5.00	ND <2.50	ND <1.00
Tetrachloroethene	5	ND <0.50	ND <0.50	ND <1.00	ND <2.50	ND <1.00	ND <1.00	ND <0.50	ND <5.00	ND <2.50	ND <1.00
trans-1,2-Dichloroethene	5	ND <0.50	ND <0.50	ND <1.00	ND <2.50	ND <1.00	ND <1.00	ND <0.50	ND <5.00	ND <2.50	ND <1.00
Trichloroethene (TCE)	5	1.11	0.37 J	0.68 J	1.80 J	0.64 J	0.68 J	0.62	2.00 J	1.05 J	1.32
Vinyl Chloride (VC)	2	ND <1.00	ND <1.00	ND <2.00	ND <5.00	ND <2.00	ND <2.00	ND <1.00	ND <10.0	ND <5.00	ND <2.0

Site Specific VOCs		MW-1S 4/25/2023	MW-1D 4/25/2023	MW-6 4/24/2023	MW-7 4/24/2023	MW-8 4/24/2023	MW-10S 4/25/2023	MW-10D 4/25/2023	MW-11 4/24/2023	MW-12S 4/25/2023	MW-L16 4/24/2023
1,1,1-Trichloroethane	5	ND <0.50	ND <0.50	ND <1.00	ND <2.50	ND <1.00	ND <1.00	ND <0.50	ND <5.00	ND <2.50	ND <1.00
1,1-Dichloroethene	5	ND <0.50	ND <0.50	ND <1.00	ND <2.50	ND <1.00	ND <1.00	ND <0.50	ND <5.00	ND <2.50	ND <1.00
cis-1,2-Dichloroethene (DCE)	5	ND <0.50	ND <0.50	ND <1.00	ND <2.50	ND <1.00	ND <1.00	ND <0.50	ND <5.00	ND <2.50	ND <1.00
Tetrachloroethene	5	ND <0.50	ND <0.50	ND <1.00	ND <2.50	ND <1.00	ND <1.00	ND <0.50	ND <5.00	ND <2.50	ND <1.00
trans-1,2-Dichloroethene	5	ND <0.50	ND <0.50	ND <1.00	ND <2.50	ND <1.00	ND <1.00	ND <0.50	ND <5.00	ND <2.50	ND <1.00
Trichloroethene (TCE)	5	0.71	0.29 J	0.56 J	0.90 J	0.38 J	0.78 J	0.55	1.90 J	ND <2.50	0.72 J
Vinyl Chloride (VC)	2	ND <1.00	ND <1.00	ND <2.00	ND <5.00	ND <2.00	ND <2.00	ND <1.0	ND <10.0	ND <5.00	ND <2.0

Site Specific VOCs		MW-1S 7/26/2023	MW-1D 7/26/2023	MW-6 7/26/2023	MW-7 7/26/2023	MW-8 7/26/2023	MW-10S 7/26/2023	MW-10D 7/26/2023	MW-11 7/26/2023	MW-12S 7/26/2023	MW-L16 7/26/2023
1,1,1-Trichloroethane	5	ND <0.50	ND <1.00	ND <2.50	ND <1.00	ND <1.00	ND <1.00	ND <0.50	ND <5.00	ND <2.50	ND <1.00
1,1-Dichloroethene	5	ND <0.50	ND <1.00	ND <2.50	ND <1.00	ND <1.00	ND <1.00	ND <0.50	ND <5.00	ND <2.50	ND <1.00
cis-1,2-Dichloroethene (DCE)	5	0.11 J	ND <1.00	ND <2.50	ND <1.00	ND <1.00	ND <1.00	ND <0.50	ND <5.00	ND <2.50	ND <1.00
Tetrachloroethene	5	ND <0.50	ND <1.00	ND <2.50	ND <1.00	ND <1.00	ND <1.00	ND <0.50	ND <5.00	ND <2.50	ND <1.00
trans-1,2-Dichloroethene	5	ND <0.50	ND <1.00	ND <2.50	ND <1.00	ND <1.00	ND <1.00	ND <0.50	ND <5.00	ND <2.50	ND <1.00
Trichloroethene (TCE)	5	0.62	0.70 J	1.55 J	0.38 J	0.30 J	0.72 J	0.44 J	1.00 J	0.70 J	0.68 J
Vinyl Chloride (VC)	2	ND <1.0	ND <2.00	ND <5.00	ND <2.00	ND <2.00	ND <2.00	ND <1.0	ND <10.00	ND <5.00	ND <2.00

NOTES:
All concentrations reported in micrograms per liter (µg/L) ~ parts per billion (ppb). Refer to the laboratory's analytical report for additional details.
NYSDEC Groundwater (GW) Standard = Class GA water quality standards and guidance values listed in the NYSDEC Division of Water Technical and Operation Guidance Series 1.1.1 (TOGS 1.1.1, June 1998) and subsequent addendums.
ND - Not Detected at or above the Practical Quantitation Limit (PQL). J - Analyte detected below the PQL.
Concentration exceeds NYSDEC GW standard or guidance value.

Table 4: Page 1 of 2
Summary of Historic Groundwater Analytical Results

		Aug-89	Feb-90	Aug-90	Nov-90	Feb-91	May-91	Aug-91	Nov-91	Feb-92	May-92	Aug-92	Nov-92	Feb-93	May-93	Aug-93	Nov-93	Feb-94	Jun-94	Sep-94	Nov-94	Feb-95	May-95	Nov-95	May-96	Nov-96	May-97	Nov-97	May-98	Nov-98	Aug-99	Jan-00	Nov-01	Nov-02	Jun-03	Nov-03	Nov-04	Dec-05	Sep-06	Nov-06	May-07	Nov-07	Nov-08	Nov-09	Dec-10	Nov-11	Nov-12	Nov-13	Nov-14	Nov-15	Nov-16	Nov-17	Nov-18	Nov-19	Nov-20	Nov-21	Oct-22	Nov-23
MW-1S																																																										
	TCE	69	<1	47	41	25	17	19	12	9	13	15	2	11	26	3	13	7	19	13	9	11	8	11	5	8	10	11	15	8	7	5	6	8		6	11	6	7	4	3.38	2	5	4	4.20	5.40	5.46	4.69	2.96	5.37	10.10	5.60	1.26	1.01	1.32	2.98	0.60	0.52
	TCE Yearly Avg				32				18				10				13				13						7		11		12	7	5	6	8		6	11	6		4																		
	Total VOC's	89	<1	47	41	25	21	23	13	9	15	17	2	13	34	3	13	7	22	15	9	13	8	11	5	8	10	11	16	8	7	5	6	8		6	11	6	7	4	3.38	2	5	4	4.20	5.40	5.59	4.82 J	2.96	5.37	10.37 J	5.74 J	1.26	1.01	1.32	2.98	0.60 J	0.77 J
	Total VOC Yearly Avg				32				21				11				16				13				11		7		11		12	7	5	6	8		6	11	6		4																		
MW-1D																																																										
	TCE	45	32	<1	25	25	18	19	12	13	13	14	13	14	13	12	16	12	13	9	11	12	12	13	7	10	7	8	7	7	8	3	3	1		2	3	5	NS	3	NS	4	5	4	2.70	4.40	5.65	3.49	3.78	4.57	4.53	3.42	1.65	0.72	1.01	1.43	0.30	0.30
	TCE Yearly Avg				21				19				13				14				11				12		9		8		7	8	3	3	1		2	3	5		3																		
	Total VOC's	66	32	<1	25	25	24	24	12	13	14	16	15	16	16	115	17	13	13	10	13	14	14	13	7	11	7	8	7	7	8	3	3	3		2	3	5		3		4	5	4	2.70	4.40	5.85	3.60 J	4.36	4.57	4.53	3.52 J	1.65	0.72	1.01	1.55 J	0.30 J	0.45 J
	Total VOC Yearly Avg				21				21				15				16				12				14		9		8		7	8	3	3	3		2	3	5		3																		
MW-2S																																																									
	TCE	8	4	5	6	8	6	8	10	5	7	5	5	5	7	7	4	4	4	3	4	4	4	NA	4	NA	3	NA	4	NA	4	2	2	2		2	2	2	2	2	3	2	2	2	1.70	1.80	1.66	1.48	1.27	1.90	1.88	1.77	NS	1.35	NS	1.35	0.56	0.41
	TCE Yearly Avg				5				8				6				6				4				4		4		3		4	4	2	2	2		2	2	2		2																		
	Total VOC's	8	4	5	6	8	6	8	12	5	7	8	5	5	7	7	4	4	4	3	4	4	4	NA	4	NA	3	NA	4	NA	4	2	2	2		2	2	2	2	2	3	2	2	2	1.70	1.80	1.66	1.48	1.27	1.90	1.88	1.77	NS	1.35	NS	1.35	0.56 J	0.41 J
	Total VOC Yearly Avg				5				9				6				6				4				3		4		3		4	4	2	2	2		2	2	2		2																		
MW-2D																																																									
	TCE	11	6	9	8	7	5	7	9	5	5	5	5	3	4	6	3	3	2	3	2	2	3	NA	2	NA	2	NA	1	NA	3	Damaged	Damaged	Damaged		Damaged	Damaged	Damaged	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	TCE Yearly Avg				7				7				5				4				3				3		2		2		1	3	Damaged	Damaged	Damaged		Damaged	Damaged	Damaged																						
	Total VOC's	12	6	9	8	7	5	7	10	5	5	5	5	3	4	6	3	3	2	6	2	2	3	NA	2	NA	2	NA	1	NA	3	Damaged	Damaged	Damaged		Damaged	Damaged	Damaged																						
	Total VOC Yearly Avg				7				7				5				4				3				2		2		2		1	3	Damaged	Damaged	Damaged		Damaged	Damaged	Damaged																						
MW-3																																																									
	TCE	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1	<1	<1	<1	<1	4	<1	<1	<1	<1	NA	19	NA	2	<1	8	NA	<1	<1	<1	<1		2	1	<1	NS	2	NS	<1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	TCE Yearly Avg				0				0				0				0				1				1		19		1		8	<1	<1	<1	<1		2	1	<1		2																		
	Total VOC's	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	2	1	<1	<1	<1	<1	4	<1	<1	<1	<1	NA	33	NA	2	<1	12	NA	<1	<1	<1	<1		3	1	2		5		<1																
	Total VOC Yearly Avg				0				0				1				0				1				0		33		1		12	<1	<1	<1	<1		3	1	2		5																		
MW-4S																																																									
	TCE	<1	<1	<1	2	<1	1	2	1	<1	1	1	1	<1	1	<1	<1	NA	<1	<1	<1	<1	1	NA	<1	NA	<1	NA	<1	NA	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	0.61	0.46	0.52	0.63	0.58	0.48	NS	NS	NS	NS	NS	NS
	TCE Yearly Avg				1				1				1				0				0				1		0		0		0	<1	<1	<1	<1		<1	<1	<1		<1																		
	Total VOC's	<1	<1	<1	2	<1	1	2	1	<1	1	1	1	<1	1	<1	<1	NA	<1	<1	<1	<1	1	NA	<1	NA	<1	NA	<1	NA	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	0.61	0.46 J	0.52	0.63	0.58	0.48 J	NS	NS	NS	NS	NS	NS
	Total VOC Yearly Avg				1				1				1				0				0				0		0		0		0	<1	<1	<1	<1		<1	<1	<1		<1																		
MW-4D																																																									
	TCE	<1	<1	1	<1	1	<1	1	1	<1	<1	<1	<1	<1	<1	<1	<1	NA	<1	<1	<1	<1	<1	NA	<1	NA	<1	NA	<1	NA	<1	<1	<1	<1		<1	<1	<1	NS	<1	NS	<1	<1	<1	<1	<1	0.46	0.38	0.38	0.54	0.39	0.48	NS	<1	NS	0.61	0.25	0.27
	TCE Yearly Avg				1				1				0				0				0				1		0		0		0	<1	<1	<1	<1		<1	<1	<1		<1																		
	Total VOC's	<1	<1	1	<1	1	<1	1	1	<1	<1	<1	<1	<1	<1	<1	<1	NA	<1	<1	<1	<1	<1	NA	<1	NA	<1	NA	<1	NA	<1	<1	<1	<1		<1	<1	<1		<1		<1	<1	<1	<1	<1	0.46	0.38 J	0.38 J	0.54	0.39 J	0.48 J	NS	<1	NS	0.61	0.25 J	0.27 J
	Total VOC Yearly Avg				1				1				0				0				0				0		0		0		0	<1	<1	<1	<1		<1	<1	<1		<1																		
MW-5S																																																									
	TCE	1	1	2	3	<1	1	2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	NA	<1	NA	<1	NA	<1	NA	<1	<1	<1	1		1	2	1	2	1	1.25	<1	<1	<1	<1	1.00	0.72	0.91	0.83	0.85	0.62	0.72	NS	<0.5	NS	0.29	0.38	0.36
	TCE Yearly Avg				2				1				0				0				0				1		0		0		0	<1	<1	<1	1		1	2	1		1																		
	Total VOC's	1	1	3	3	<1	1	2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	NA	<1	NA	<1	NA	<1	NA	<1	<1	<1	2		1	2	1	2	1	1.25	<1	<1	<1	<1	1.00	0.72	0.91	0.83	0.85	0.62	0.72	NS	<0.5	NS	0.29	0.38 J	0.36 J
	Total VOC Yearly Avg				2				1				0				0				0				0		0		0		0	<1	<1	<1	2		1	2	1		1																		
MW-5D																																																									
	TCE	3	2	3	5	3	3	3	1	<1	1	2	1	<1	2	2	<1	<1	<1	<1	<1	<1	1	NA	2	NA	2	NA	<1	NA	<1	<1	<1	1		1	2	1	NS	1	NS	<1	2	1	1.10	1.30	1.62	1.17	1.56	2.00	1.60	2.12	NS	2.08	NS	1.41	0.69	0.48
	TCE Yearly Avg				3				3				1				1				0				1		2		2		<1	<1	<1	<1	1		1	2	1		1																		
	Total VOC's	3	2	8	5	3	3	3	1	<1	1	2	1	<1	2	2	<1	<1	<1	<1	<1	<1	2	NA	2	NA	2	NA	<1	NA	<1	<1	<1	2		1	2	1		1		<1	2	1	1.10	1.30	1.62	1.17	1.56	2.00	1.60	2.12	NS	2.08	NS	1.41	0.69	0.48 J
	Total VOC Yearly Avg				5				3				1				1				0				1		2		2		<1	<1	<1	<1	2		1	2	1		1																		
MW-6																																																									
	TCE	230	NA	43	35	38	62	8	NA	18	30	40	21	21	70	32	19	45	50	20	17	18	14	7	34	14	18	7	<1	10	5	11	4	14		16	20	15	NS	8	NS	10	6	5	35.00	8.60	2.29	6.54	5.68	8.74	2.31	7.30	6.14	1.11	DRY	2.24	0.42	0.58
	TCE Yearly Avg				35				36				27				36				33				13		24		13		5	5	11	4	14		16	20	15		8																		
	Total VOC's	235	NA	43	35	38	62	8	NA	18	30	40	21	21	70	32	19	45	50	20	17	18	14	7	34	14	18	7	<1	10	5	11	4	15		16	20	15		8		10	6	5	35.00	8.60	2.29	6.54	5.68	8.74	2.31	7.30	6.14	1.11	DRY	2.24	0.42 J	0.58 J
	Total VOC Yearly Avg				26				27				27				36				33				13		24		13		5	5	11	4	15		16	20	15		8																		
MW-7																																																								
	TCE	230	290	19	63	190	57	19	NA	11	57	130	130	120	67	25	18	85	60	49	49	45	23	NA	56	NA	25	NA	26	NA	24	24	12	4		9	5	19	NS	6	NS	8	3	2	6.40	7.20	2.14	3.08	2.00	4.32	4.23	7.84	8.37	1.83	1.22	2.22	1.18	0.78
	TCE Yearly Avg				168				89				82				58				61				34		56		25		26	24	24	12	4		9	5	19		6																		
	Total VOC's	1,941	290	19	63	190	157	30	NA	15	167	250	250	175	136	25	19	137	153	84	82	84	25	NA	73	NA	35	NA	39	NA	31	30	23	5		13	5	30		8		8	3	2	6.40	7.20	2.24	3.08	2.00	4.32	4.43 J	8.3 J	8.37	1.83	1.22	2.37 J	1.18	0.98 J
	Total VOC Yearly Avg				168				94				171				89				114				55		73		35		39	31	30	23	5		13	5	30		8																		
MW-8																																																								
	TCE	240	70	10	48	31	110	8	3	31	31	48	16	12	14	18	10	61	11	10	12	9	8	3	98	6	8	2	10	3	2	2	<1	2		3	5	3	NS	3	NS	3	5	2	41.00	2.50	1.01	1.72	1.19	5.46	0.87	2.14	2.95	1.44	0.57	0.90	<1 ND	0.34
	TCE Yearly Avg				97				38				32				14				24				7		52		5		7	2	2	<1	2		3	5	3		3																		
	Total VOC's	243	70	10	48	31	110	8	3	31	31	48	16	12	14	18	10	61	11	10	12	9	8	3	98	6	8	2	10	3	2	2	<1	2		3	5	3		3		3	5	2	41.00	2.50	1.01	1.72	1.19	5.46	0.87	2.14	2.95	1.44	0.57	0.90	<1 ND	0.34 J
	Total VOC Yearly Avg				103				38				32				14				24				7		52		5		7	2	2	<1	2		3	5	3		3																		
MW-9																																																								
	TCE	4	16	5	10	4	11	3	4	3	3	4	4	4	33	8	1	2	24	5	3	5	5	<1	18	2	1	<1	<1	5	7	5	4	5		7	17	6	NS	11	NS	5	<1	<1	<1	<1	0.86	0.54	0.78	1.72	0.69	0.70	NS	0.74	NS	0.94	0.45	0.39
	TCE Yearly Avg				9				6				4				12				9				3		10		1		3	7	5	4	5		7	17	6		11																		
	Total VOC's	4	16	5	10	4	14	3	4	3	3	4	4	4	42	8	1	2	24	5	3	5	5	<1	22	2	1	<1	<1	5	7	5	4	5		7	17	6		12		5	<1	<1	<1	<1	0.86	0.54	0.78	1.72	0.69	0.70	NS	0.74	NS	0.94	0.45 J	0.39 J
	Total VOC Yearly Avg				9				6				4				14				9				3		12		1		3	7	5	4	5		7	17	6		12																		
MW-10S																																																								
	TCE	200	73	110	59	63	27	32	50	44	170	40	32	26	25	37	27	28	31	24	15	16	16	23	17	18	13	13	15	19	16	17	9	19		10	10	10	NS	7	6	8	6	7	6.70	5.80	6.56	6.76	6.02	12.40	6.42	7.79	5.61	1.59	1.28	1.20	0.58	0.50
	TCE Yearly Avg				76				43				72				29				25				18		18		13		18	16	17	9	19		10	10	10		7																		
	Total VOC's	553	73	110	59	110	33	44	62	57	228	46	37	29	32	37	31	31	31	27	16	17	18	25	18	20	13	13	17	19	17	17	9	21		10	10	11		7	6	8	6	7	6.70	5.80	6.83	7.10 J	6.63	13.76	6.74 J	8.22 J	5.61	1.73J	1.4J	1.20	0.58	0.50 J
	Total VOC Yearly Avg				76				62				92				32				26				20		19		13		18	17	17	9	21		10	10	11		7																		
MW-10D																																																							
	TCE	71	23	33	60	33	54	31	40	30	10	41	37	32	19	32	25	21	21	22	22	30	23	19	10	16	12	18	10	20	13	11	8	7		8	5	5	NS	6		6	7	8	4.70	5.40	9.49	6.85	6.25	18.40	7.59	5.36	3.73	1.69	0.92	1.24	0.44	0.41
	TCE Yearly Avg				36				40				30				27				23				24		15		13		15	13	11	8	7		8	5	5		6								6.67	5.90	5.40	8.97	5.95	4.09	4.14	3.03	1.10				
	Total VOC's	136	23	33	60	33	66	39	45	35	12	46	43	36	21	32	28	22	21	25	24	32	26	19	10	16	12	18	10	20	13	11	8	7		8	5	5		6		6	7	8	4.70	5.40	9.75	7.02 J	6.85	19.70	7.80 J	5.50 J	3.73	1.69	0.92	1.24	0.44 J	0.41 J
	Total VOC Yearly Avg				36				46				34				29				23				26		13		15		15	13	11	8	7		8	5	5		6								6.77	6.02 J	5.62 J	9.43	6.05 J	4.16 J	4.14	3.03	1.10				
MW-11																																																								
	TCE	10,000	2600	44	3400	480	290	31	NA	50	420	29	<50	54	170	<50	<50	72	<50	51	51	42	38	19	170	85	46	10	27	11	14	5	7	6		21	11	12	NS	18		8	6	6	38.00	15.00	4.32	3.60	5.01	5.80	2.93	7.27	20.80	4.40	1.06	4.02	1.48	0.92
	TCE Yearly Avg				1549				267				125				56				44				33		128		28		19	14	5	7	6		21	11	12		18																		
	Total VOC's	18,320	2600	44	3400	480	5090	141	NA	440	630	375	230	344	1170	1700	<50	1062	1260	105	130	101	87	144	300	415	96	41	49	11	35	5	31	6		49	11	32		40		8	6	6	81.00	15.00	5.28	4.14 J	5.79	7.00	3.47	8.22	22.54	5.22	1.06	6.04	2.28 J	1.24 J
	Total VOC Yearly Avg				1549				1428				419				804				639				111		358		69		30	35	5	31	6		49	11	32		40																		
MW-12S																																																							
	TCE	270	190	280	120	270	190	100	21	46	50	150	140	150	150	180	100	110	170	88	88	100	NA	24	82	60	82	11	80	23	11	59	10	44		62	46	27	NS	44		25	17	12	22.00	37.00	5.60	32.20	18.40	24.80	3.08	29.3	13.8	1.91	1.34	2.32	0.66	0.46
	TCE Yearly Avg				203				145				97				145				114				62		71		47		52	11	59	10	44		62	46	27		44																		
	Total VOC's	1,970	190	280	120	270	330	137	23	83	62	196	179	172	183	180	109	119	192	99	102	101	NA	57	93	73	88	11	102	23	11	59	10	46		67	49	30		46		25	17	12	23.10	37.00	5.78	32.85	19.07	25.54	3.19 J	29.9	13.8	2.06 J	1.34	2.62 J	0.66 J	0.46 J
	Total VOC Yearly Avg				203				190				130				161				128				56		83		50		63	11	59	10	46		67	49	30		46																		
MW-12D																																																						
	TCE	21	21	17	23	17	12	12	13	10	45	10	9	13	11	15	8	7	16	9	5	7	6	6	5	5	5	4	2	8	11	8	10	5		4	10	3	NS	6		4	3	2	1.70	<1	2.86	1.51	2.71	2.50	2.05	2.39	NS	1.62	NS	1.43	0.45	0.41
	TCE Yearly Avg				19				14				19				11				9				6		5		5		11	8	10	5		4	10	3		6																		
	Total VOC's	27	21	17	23	17	14	12	13	11	52	12	9	13	13	15	8	7	16	9	5	7	6	6	5	5	5	4	2	8	12	8	12	7		4	10	3		6		4	3	2	1.70	<1	2.86	1.51	2.71	2.50	2.05	2.39	NS	1.62	NS	1.43	0.45 J	0.41 J
	Total VOC Yearly Avg				19				14				21				12				9				6		5		5		5	12	8	12	7		4	10	3		6																		
MW-L16																																																						
	TCE																																																							
	TCE Yearly Avg																																																					
	Total VOC's																																																					
	Total VOC Yearly Avg																																																				

Table 4: Page 2 of 2
Summary of Historic Groundwater Analytical Results

	Feb-90	Aug-90	Nov-90	Feb-91	May-91	Aug-91	Nov-91	Feb-92	May-92	Aug-92	Nov-92	Feb-93	May-93	Aug-93	Nov-93	Feb-94	Jun-94	Sep-94	Dec-94	Feb-95	May-95	Nov-95	May-96	Nov-96	May-97	Nov-97	May-98	Nov-98	Aug-99	Nov-00	Nov-01	Nov-02	Jun-03	Nov-03	Nov-04	Dec-05	Sep-06	Nov-06	May-07	Nov-07	Nov-08	Nov-09	Dec-10	Nov-11	May-12	Nov-12	Nov-13	Nov-14	Nov-15	Nov-16	Nov-17	Nov-18	Nov-19	Nov-20	Nov-21
MW-BE1																																																						
TCE																													<1	NA	NA	NA	<1	NA	NA	NA																			
Total VOC's																													<1	NA	NA	NA	<1	NA	NA	NA																			
MW-BE2																																																						
TCE																													<1	NA	NA	NA	<1	NA	NA	NA																			
Total VOC's																													<1	NA	NA	NA	1.2	NA	NA	NA																			
DEC-01S																																																						
TCE																																							1.28																
Total VOC's																																																						
DEC-02S																																																						
TCE																																							3.73						3.3										
Total VOC's																																																						
DEC-03S																																																						
TCE																																							3.18																
Total VOC's																																																						
DEC-04S																																																						
TCE																																							5.88																
Total VOC's																																																						
DEC-05S																																																						
TCE																																							12.9																
Total VOC's																																																						
DEC-07																																																						
TCE																																							0.82						1.7										
Total VOC's																																																						
DEC-08																																																						
TCE																																							8.69																
Total VOC's																																																						
DEC-09																																																						
TCE																																							21.2						18										
Total VOC's																																																						
DEC-10																																																						
TCE																																							7.87																
Total VOC's																																																						
DEC-11																																																						
TCE																																							11.6																
Total VOC's																																																						
DEC-12																																																						
TCE																																							16.6						16										
Total VOC's																																																						
DEC-13																																																						
TCE																																							10.2																
Total VOC's																																																						
DEC-14																																																						
TCE																																							0.23						ND										
Total VOC's																																																						
DEC-15																																																						
TCE																																							3.91																
Total VOC's																																																						
DEC-16																																																						
TCE																																							12.2																
Total VOC's																																																						
DEC-17																																																						
TCE																																							8.51																
Total VOC's																																																						
DEC-18																																																						
TCE																																							2.26																
Total VOC's																																																						
DEC-19																																																						
TCE																																							3.83																
Total VOC's																																																						
DEC-20																																																						
TCE																																							1.45																
Total VOC's																																																						
DEC-21																																																						
TCE																																							ND																
Total VOC's																																																						
DEC-22																																																						
TCE																																							ND																
Total VOC's																																																						
DEC-23																																																						
TCE																																					<1		0.25																
Total VOC's																																					<1		<1																
DEC-24																																																						
TCE																																					NS		0.79																
Total VOC's																																					NS		<1																
DEC-25																																																						
TCE																																					2.3		2.33						1.8										
Total VOC's																																					2.3		2.33																
DEC-26																																																						
TCE																																					9.9		7.44						4.7										
Total VOC's																																					9.9		7.44																
DEC-27																																																						
TCE																																					4.7		3.28																
Total VOC's																																					4.7		3.28																
DEC-28																																																						
TCE																																					3.5		2.85																
Total VOC's																																					3.5		2.85																
DEC-29																																																						
TCE																																					2.4		1.81																
Total VOC's																																					2.4		1.81																
DEC-30																																																						
TCE																																					1.4		1.17																
Total VOC's																																					1.4		1.17																
DEC-31																																																						
TCE																																							0.78																
Total VOC's																																																						
DEC-32																																																						
TCE																																							1.04																
Total VOC's																																																						
DEC-33																																																						
TCE																																							6.15																
Total VOC's																																																						
DEC-34																																																						
TCE																																							13.3																
Total VOC's																																																						
DEC-35																																																						
TCE																																							10.2																
Total VOC's																																																						
DEC-36																																																						
TCE																																							0.57																
Total VOC's																																																						

Notes:
ND = Not Detected. NS = Not Sampled.
1. Units are μg/L.
2. All data prior to 2010 provided to GeoLogic NY, P.C. by others including Buck Engineering, LLC., the NYSDEC and URS (Figure 3.3, dated May 2007).

Table 4: Page 2 of 2
Summary of Historic Groundwater Analytical Results

		Oct-22	Nov-23
MW-BE1			
	TCE		
	Total VOC's		
MW-BE2			
	TCE		
	Total VOC's		
DEC-01S			
	TCE		
	Total VOC's		
DEC-02S			
	TCE		
	Total VOC's		
DEC-03S			
	TCE		
	Total VOC's		
DEC-04S			
	TCE		
	Total VOC's		
DEC-05S			
	TCE		
	Total VOC's		
DEC-07			
	TCE		
	Total VOC's		
DEC-08			
	TCE		
	Total VOC's		
DEC-09			
	TCE		
	Total VOC's		
DEC-10			
	TCE		
	Total VOC's		
DEC-11			
	TCE		
	Total VOC's		
DEC-12			
	TCE		
	Total VOC's		
DEC-13			
	TCE		
	Total VOC's		
DEC-14			
	TCE		
	Total VOC's		
DEC-15			
	TCE		
	Total VOC's		
DEC-16			
	TCE		
	Total VOC's		
DEC-17			
	TCE		
	Total VOC's		
DEC-18			
	TCE		
	Total VOC's		
DEC-19			
	TCE		
	Total VOC's		
DEC-20			
	TCE		
	Total VOC's		
DEC-21			
	TCE		
	Total VOC's		
DEC-22			
	TCE		
	Total VOC's		
DEC-23			
	TCE		
	Total VOC's		
DEC-24			
	TCE		
	Total VOC's		
DEC-25			
	TCE		
	Total VOC's		
DEC-26			
	TCE		
	Total VOC's		
DEC-27			
	TCE		
	Total VOC's		
DEC-28			
	TCE		
	Total VOC's		
DEC-29			
	TCE		
	Total VOC's		
DEC-30			
	TCE		
	Total VOC's		
DEC-31			
	TCE		
	Total VOC's		
DEC-32			
	TCE		
	Total VOC's		
DEC-33			
	TCE		
	Total VOC's		
DEC-34			
	TCE		
	Total VOC's		
DEC-35			
	TCE		
	Total VOC's		
DEC-36			
	TCE		
	Total VOC's		

Notes:
ND = Not Detected
1. Units are µg/L.
2. All data prior to 2

Table 5:
Comparison of TCE Concentrations in SSD/SVE Exhaust Samples

TCE Concentrations in SSD/SVE Exhaust Samples		
Sample Date	**TCE Concentration[1]**	**TCE Concentration % Change vs. Jan. 2012[2]**
1/10/2012	**18,000**	**NA**
5/31/2012	3,500	-80.6%
11/27/2012	3,200	-82.2%
11/26/2013	10,000	-44.4%
11/17/2014	2,700	-85.0%
11/1/2015	780	-95.7%
11/15/2016	2,200	-87.8%
12/11/2017	3,300	-81.7%
11/28/2018	2,600	-85.6%
11/20/2019	8,100	-55.0%
11/13/2020	1,700	-90.6%
11/18/2021	2,600	-85.6%
10/26/2022	1,800	-90.0%
11/2/2023	2,000	-88.9%

Notes:
All TCE concentrations in micrograms per cubic meter ($\mu g/m^3$).
[1] TCE concentration detected in SSD/SVE exhaust samples.
[2] Percent change in TCE concentration vs. January 2012.
NA = Not Applicable.
SSD/SVE system energized in January 2012.

APPENDIX D

CHARTS

Chart 1: Perimeter Shallow Wells
TCE Conentrations (µg/L)

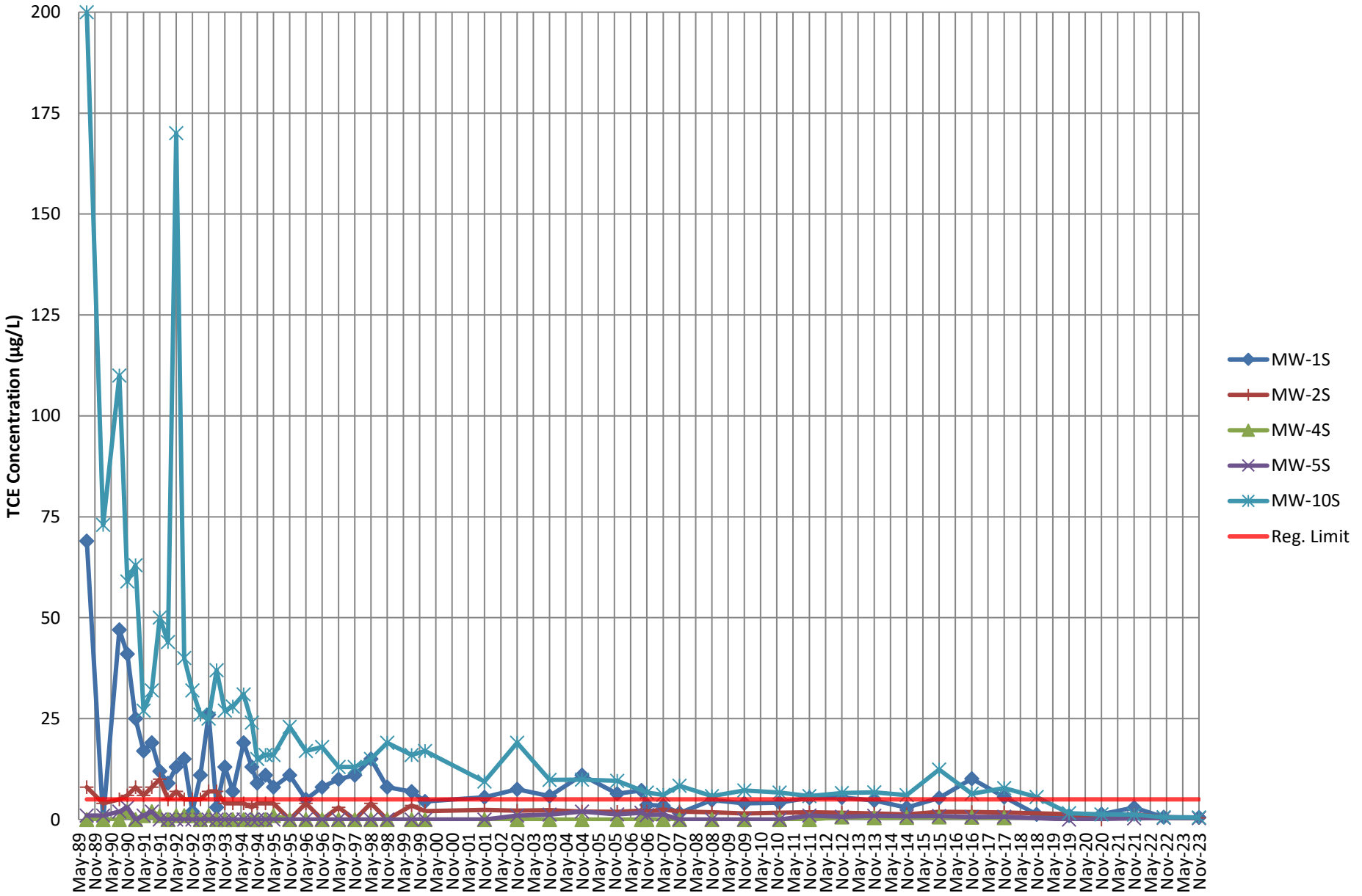


Chart 2: Perimeter Deep Wells
TCE Concentrations (µg/L)

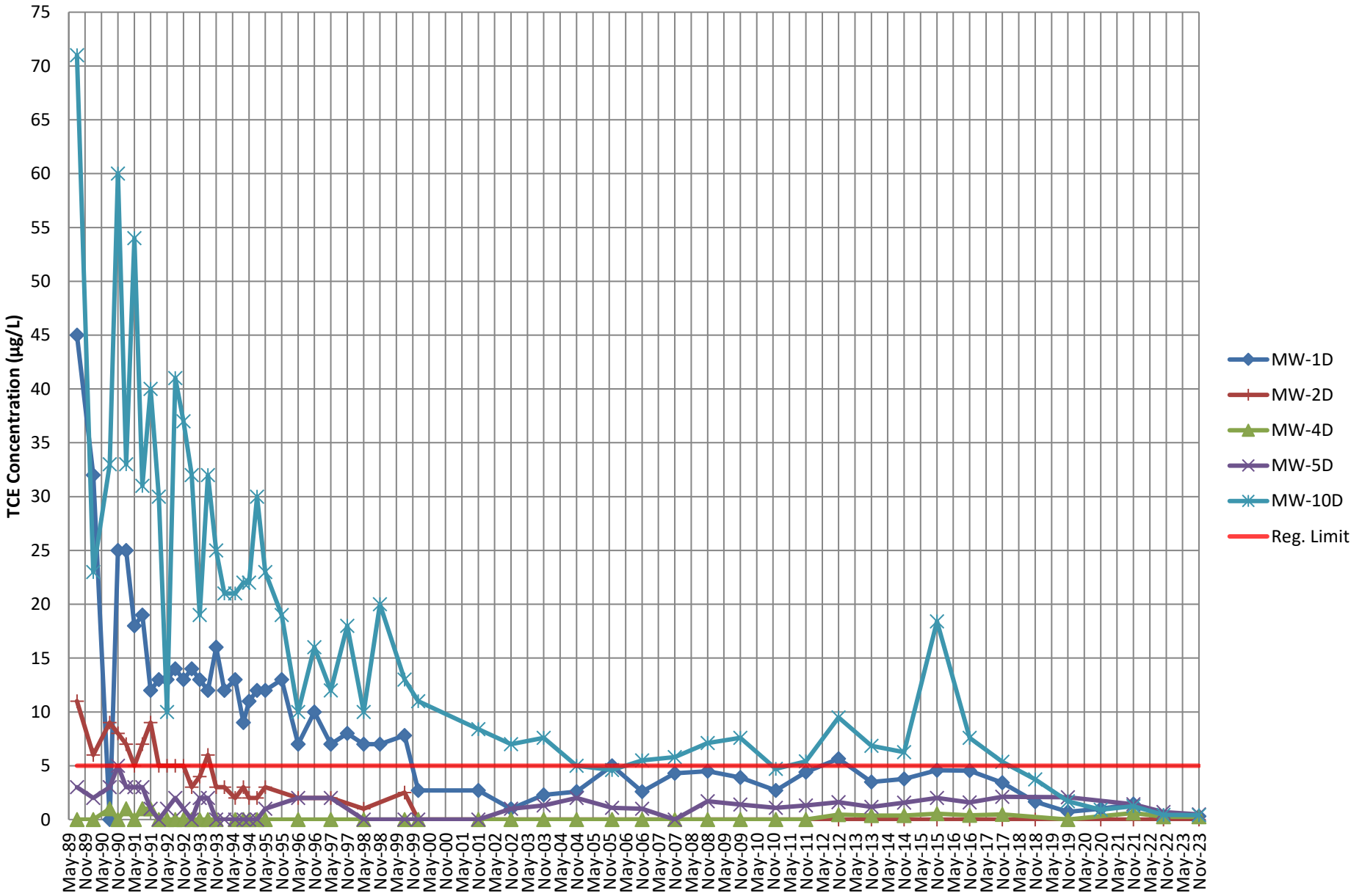


Chart 3: Interior Shallow Wells
TCE Conentrations (µg/L)

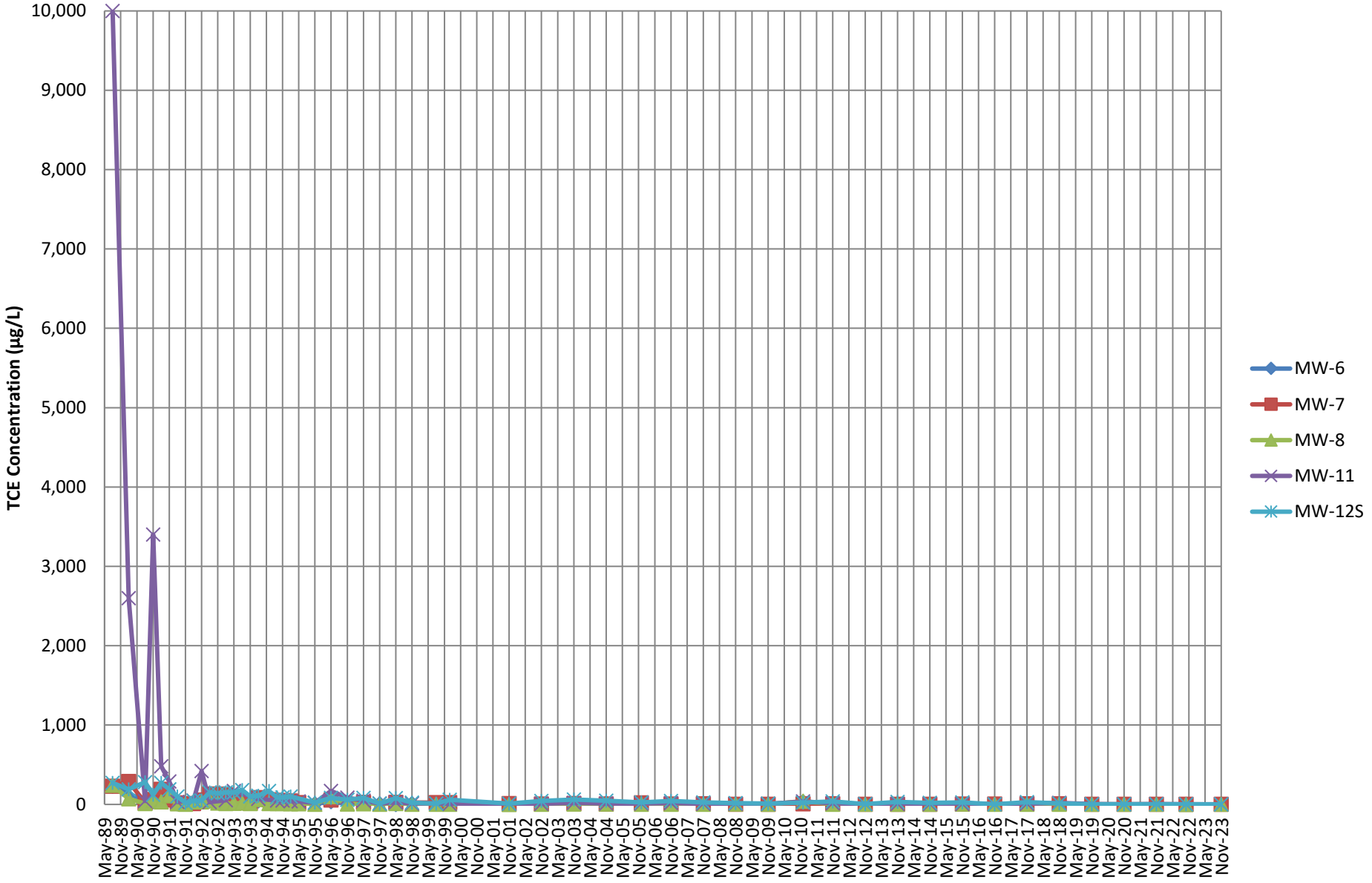


Chart 4: Interior Deep Wells
TCE Concentrations (µg/L)

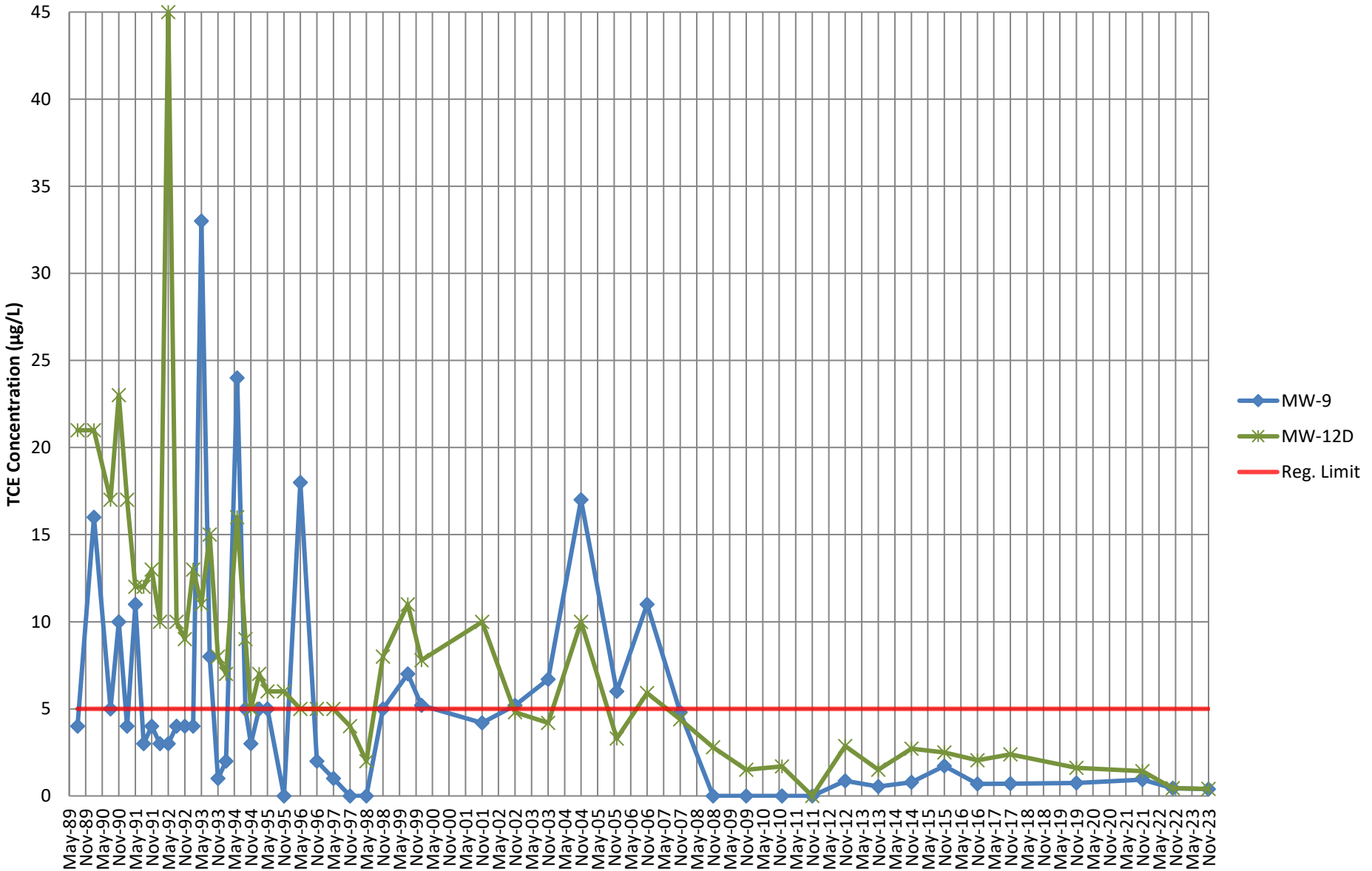


Chart 5: MW-L16 Interior Shallow Well
TCE Concentrations (µg/L)

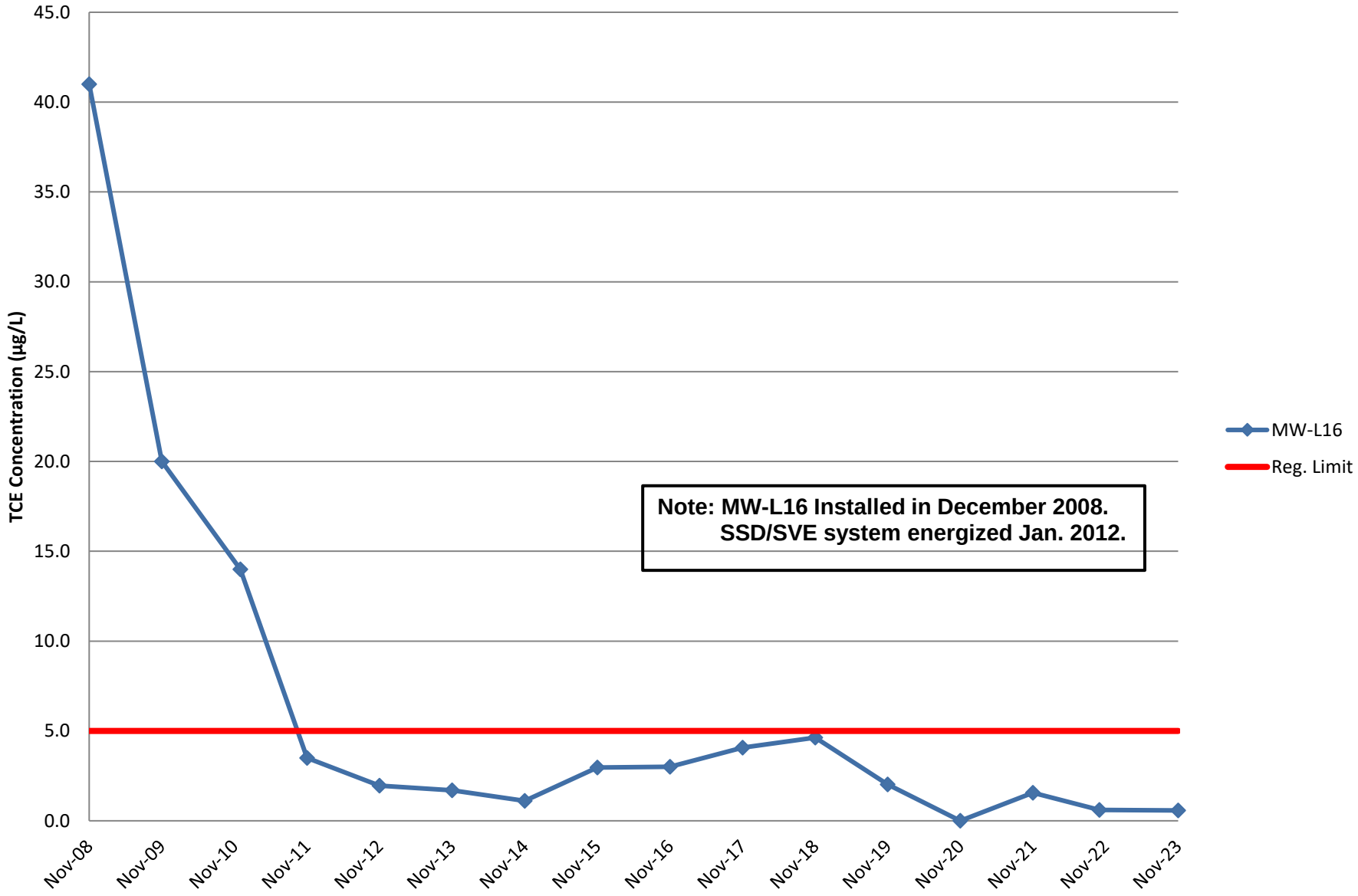
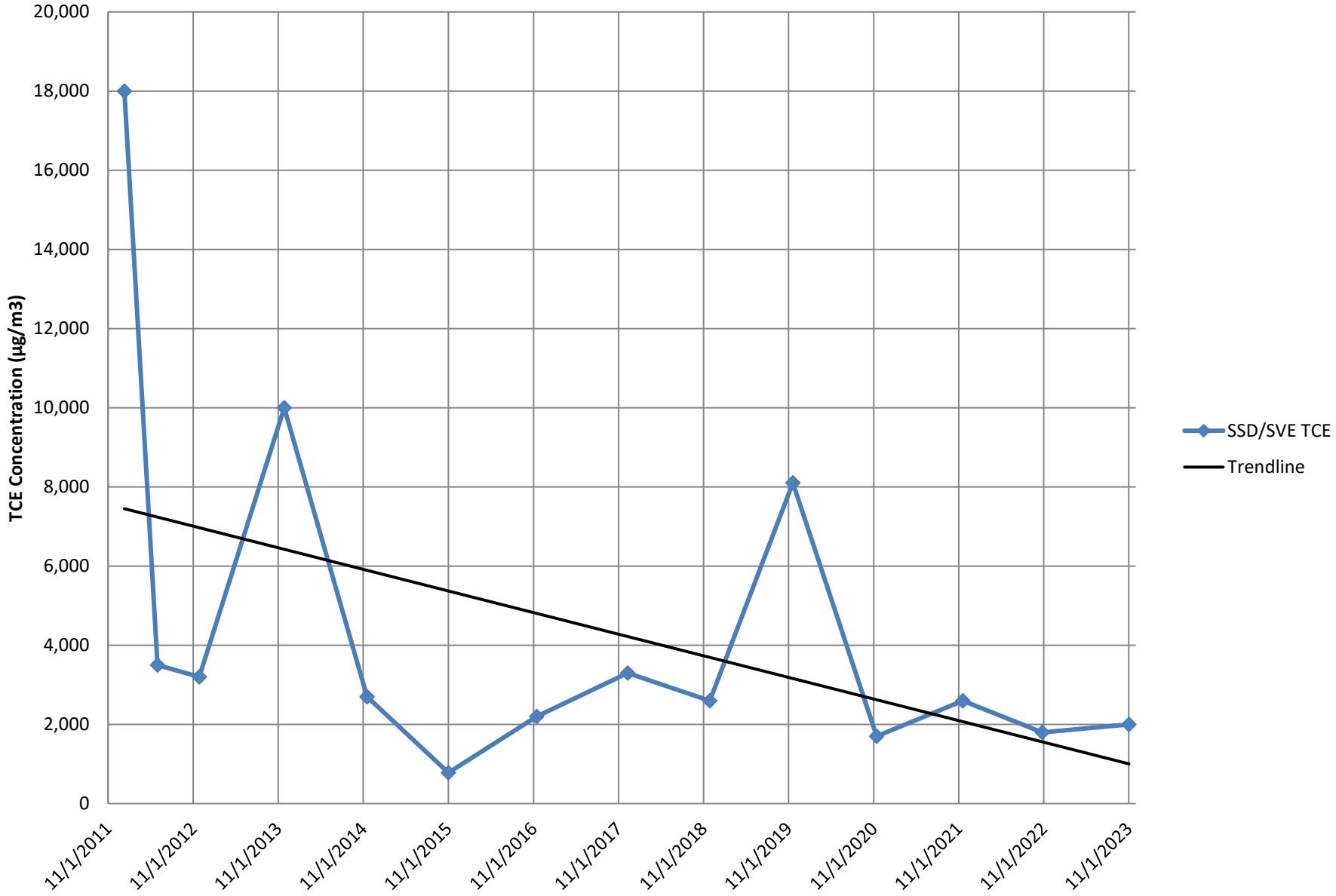


Chart 6: SSD/SVE Exhaust
TCE Concentrations (µg/m3)



APPENDIX E

GROUNDWATER ANALYTICAL RESULTS

Life Science Laboratories, Inc.
5854 Butternut Drive
East Syracuse, NY 13057 (315) 445-1900

Tuesday, November 28, 2023

Mr. Christopher Gabriel
GeoLogic NY, Inc.
37 Copeland Ave.
Homer, NY 13077

TEL: 607 749-5000

Project: 210087 2023 ANNUAL SAMPLING
RE: Analytical Results Order No.: 2316988

Dear Mr. Christopher Gabriel:

Life Science Laboratories, Inc. received 18 sample(s) on 11/7/2023 for the analyses presented in the following report. Sample results relate only to the samples as received by the laboratory.

Very truly yours,
Life Science Laboratories, Inc.

David J Prichard
Project Manager

Life Science Laboratories, Inc.
5854 Butternut Drive
East Syracuse, NY 13057 (315) 445-1900

Analytical Results

StateCertNo: 10248

CLIENT:	GeoLogic NY, Inc.	**Lab ID:**	**2316988-001A**
Project:	210087 2023 Annual Sampling	**Client Sample ID:**	*MW-1S*
W Order:	2316988	**Collection Date:**	11/01/23 11:18
Matrix:	WATER	**Date Received:**	11/07/23 15:45
Inst. ID:	MS04 73	**Sample Size:** NA	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R36394
Revision:	11/27/23 13:09	**TestCode:** 8260W	**FileID:** 1-SAMP-702402.
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260C/5030C**		
1,1,1-Trichloroethane	ND		0.50	0.10	µg/L	1	11/13/23 21:26
1,1-Dichloroethene	ND		0.50	0.16	µg/L	1	11/13/23 21:26
cis-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	11/13/23 21:26
Tetrachloroethene	0.10	J	0.50	0.10	µg/L	1	11/13/23 21:26
trans-1,2-Dichloroethene	0.15	J	0.50	0.10	µg/L	1	11/13/23 21:26
Trichloroethene	0.52		0.50	0.10	µg/L	1	11/13/23 21:26
Vinyl chloride	ND		1.00	0.33	µg/L	1	11/13/23 21:26
Surr: 1,2-Dichloroethane-d4	110		75-130	0.16	%REC	1	11/13/23 21:26
Surr: Toluene-d8	97		75-125	0.10	%REC	1	11/13/23 21:26
Surr: 4-Bromofluorobenzene	115		75-125	0.10	%REC	1	11/13/23 21:26

Qualifiers:

*	Value may exceed the Acceptable Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5854 Butternut Drive
East Syracuse, NY 13057 (315) 445-1900

Analytical Results

StateCertNo: 10248

CLIENT:	GeoLogic NY, Inc.	**Lab ID:**	**2316988-002A**
Project:	210087 2023 Annual Sampling	**Client Sample ID:**	*MW-1D*
W Order:	2316988	**Collection Date:**	11/01/23 11:31
Matrix:	WATER	**Date Received:**	11/07/23 15:45
Inst. ID:	MS04 73	**Sample Size:** NA	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R36394
Revision:	11/27/23 13:09	**TestCode:** 8260W	**FileID:** I-SAMP-702403.
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260C/5030C**		
1,1,1-Trichloroethane	ND		0.50	0.10	µg/L	1	11/13/23 22:16
1,1-Dichloroethene	ND		0.50	0.16	µg/L	1	11/13/23 22:16
cis-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	11/13/23 22:16
Tetrachloroethene	ND		0.50	0.10	µg/L	1	11/13/23 22:16
trans-1,2-Dichloroethene	0.15	J	0.50	0.10	µg/L	1	11/13/23 22:16
Trichloroethene	0.30	J	0.50	0.10	µg/L	1	11/13/23 22:16
Vinyl chloride	ND		1.00	0.33	µg/L	1	11/13/23 22:16
Surr: 1,2-Dichloroethane-d4	109		75-130	0.16	%REC	1	11/13/23 22:16
Surr: Toluene-d8	96		75-125	0.10	%REC	1	11/13/23 22:16
Surr: 4-Bromofluorobenzene	118		75-125	0.10	%REC	1	11/13/23 22:16

Qualifiers:

*	Value may exceed the Acceptable Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

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Analytical Results

StateCertNo: 10248

CLIENT:	GeoLogic NY, Inc.	**Lab ID:**	**2316988-002A**
Project:	210087 2023 Annual Sampling	**Client Sample ID:**	*MW-1D*
W Order:	2316988	**Collection Date:**	11/01/23 11:31
Matrix:	WATER	**Date Received:**	11/07/23 15:45
Inst. ID:	MS04 73	**Sample Size:** NA	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R36394
Revision:	11/27/23 13:09	**TestCode:** 8260W	**FileID:** 1-SAMP-702403.
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260C/5030C**		
1,1,1-Trichloroethane	ND		0.50	0.10	µg/L	1	11/13/23 22:16
1,1-Dichloroethene	ND		0.50	0.16	µg/L	1	11/13/23 22:16
cis-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	11/13/23 22:16
Tetrachloroethene	ND		0.50	0.10	µg/L	1	11/13/23 22:16
trans-1,2-Dichloroethene	0.15	J	0.50	0.10	µg/L	1	11/13/23 22:16
Trichloroethene	0.30	J	0.50	0.10	µg/L	1	11/13/23 22:16
Vinyl chloride	ND		1.00	0.33	µg/L	1	11/13/23 22:16
Surr: 1,2-Dichloroethane-d4	109		75-130	0.16	%REC	1	11/13/23 22:16
Surr: Toluene-d8	96		75-125	0.10	%REC	1	11/13/23 22:16
Surr: 4-Bromofluorobenzene	118		75-125	0.10	%REC	1	11/13/23 22:16

Qualifiers:

*	Value may exceed the Acceptable Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

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Analytical Results

StateCertNo: 10248

CLIENT:	GeoLogic NY, Inc.	**Lab ID:**	**2316988-003A**
Project:	210087 2023 Annual Sampling	**Client Sample ID:**	MW-2S
W Order:	2316988	**Collection Date:**	11/01/23 15:03
Matrix:	WATER	**Date Received:**	11/07/23 15:45
Inst. ID:	MS04 73	**Sample Size:** NA	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R36394
Revision:	11/27/23 13:09	**TestCode:** 8260W	**FileID:** 1-SAMP-702404.
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260C/5030C**		
1,1,1-Trichloroethane	ND		0.50	0.10	µg/L	1	11/13/23 23:01
1,1-Dichloroethene	ND		0.50	0.16	µg/L	1	11/13/23 23:01
cis-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	11/13/23 23:01
Tetrachloroethene	ND		0.50	0.10	µg/L	1	11/13/23 23:01
trans-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	11/13/23 23:01
Trichloroethene	0.41	J	0.50	0.10	µg/L	1	11/13/23 23:01
Vinyl chloride	ND		1.00	0.33	µg/L	1	11/13/23 23:01
Surr: 1,2-Dichloroethane-d4	118		75-130	0.16	%REC	1	11/13/23 23:01
Surr: Toluene-d8	94		75-125	0.10	%REC	1	11/13/23 23:01
Surr: 4-Bromofluorobenzene	112		75-125	0.10	%REC	1	11/13/23 23:01

Qualifiers:

*	Value may exceed the Acceptable Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

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Analytical Results

StateCertNo: 10248

CLIENT:	GeoLogic NY, Inc.	**Lab ID:**	**2316988-006A**
Project:	210087 2023 Annual Sampling	**Client Sample ID:**	*MW-5D*
W Order:	2316988	**Collection Date:**	11/01/23 10:37
Matrix:	WATER	**Date Received:**	11/07/23 15:45
Inst. ID:	MS04 73	**Sample Size:** NA	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R36394
Revision:	11/27/23 13:09	**TestCode:** 8260W	**FileID:** I-SAMP-702407.
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260C/5030C**		
1,1,1-Trichloroethane	ND		0.50	0.10	µg/L	1	11/14/23 1:22
1,1-Dichloroethene	ND		0.50	0.16	µg/L	1	11/14/23 1:22
cis-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	11/14/23 1:22
Tetrachloroethene	ND		0.50	0.10	µg/L	1	11/14/23 1:22
trans-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	11/14/23 1:22
Trichloroethene	0.48	J	0.50	0.10	µg/L	1	11/14/23 1:22
Vinyl chloride	ND		1.00	0.33	µg/L	1	11/14/23 1:22
Surr: 1,2-Dichloroethane-d4	116		75-130	0.16	%REC	1	11/14/23 1:22
Surr: Toluene-d8	94		75-125	0.10	%REC	1	11/14/23 1:22
Surr: 4-Bromofluorobenzene	116		75-125	0.10	%REC	1	11/14/23 1:22

Qualifiers:

*	Value may exceed the Acceptable Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Print Date: 11/27/23 13:11 1021680 **Project Supervisor:** David J Prichard

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Analytical Results

StateCertNo: 10248

CLIENT:	GeoLogic NY, Inc.	**Lab ID:**	**2316988-007A**
Project:	210087 2023 Annual Sampling	**Client Sample ID:**	*MW-6*
W Order:	2316988	**Collection Date:**	11/02/23 12:33
Matrix:	WATER	**Date Received:**	11/07/23 15:45
Inst. ID:	MS04 73	**Sample Size:** NA	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R36394
Revision:	11/27/23 13:09	**TestCode:** 8260W	**FileID:** I-SAMP-702408.
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					SW8260C/5030C		
1,1,1-Trichloroethane	ND		1.00	0.20	µg/L	2	11/14/23 2:07
1,1-Dichloroethene	ND		1.00	0.32	µg/L	2	11/14/23 2:07
cis-1,2-Dichloroethene	ND		1.00	0.20	µg/L	2	11/14/23 2:07
Tetrachloroethene	ND		1.00	0.20	µg/L	2	11/14/23 2:07
trans-1,2-Dichloroethene	ND		1.00	0.20	µg/L	2	11/14/23 2:07
Trichloroethene	0.58	J	1.00	0.20	µg/L	2	11/14/23 2:07
Vinyl chloride	ND		2.00	0.66	µg/L	2	11/14/23 2:07
Surr: 1,2-Dichloroethane-d4	124		75-130	0.32	%REC	2	11/14/23 2:07
Surr: Toluene-d8	89		75-125	0.20	%REC	2	11/14/23 2:07
Surr: 4-Bromofluorobenzene	114		75-125	0.20	%REC	2	11/14/23 2:07

Qualifiers:

*	Value may exceed the Acceptable Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

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Analytical Results

StateCertNo: 10248

CLIENT:	GeoLogic NY, Inc.	**Lab ID:**	**2316988-008A**
Project:	210087 2023 Annual Sampling	**Client Sample ID:**	*MW-7*
W Order:	2316988	**Collection Date:**	11/02/23 15:52
Matrix:	WATER	**Date Received:**	11/07/23 15:45
Inst. ID:	MS04 73	**Sample Size:** NA	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R36394
Revision:	11/27/23 13:09	**TestCode:** 8260W	**FileID:** 1-SAMP-702412.
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260C/5030C**		
1,1,1-Trichloroethane	ND		1.00	0.20	µg/L	2	11/14/23 5:14
1,1-Dichloroethene	ND		1.00	0.32	µg/L	2	11/14/23 5:14
cis-1,2-Dichloroethene	ND		1.00	0.20	µg/L	2	11/14/23 5:14
Tetrachloroethene	ND		1.00	0.20	µg/L	2	11/14/23 5:14
trans-1,2-Dichloroethene	0.20	J	1.00	0.20	µg/L	2	11/14/23 5:14
Trichloroethene	0.78	J	1.00	0.20	µg/L	2	11/14/23 5:14
Vinyl chloride	ND		2.00	0.66	µg/L	2	11/14/23 5:14
Surr: 1,2-Dichloroethane-d4	111		75-130	0.32	%REC	2	11/14/23 5:14
Surr: Toluene-d8	93		75-125	0.20	%REC	2	11/14/23 5:14
Surr: 4-Bromofluorobenzene	115		75-125	0.20	%REC	2	11/14/23 5:14

Qualifiers:

*	Value may exceed the Acceptable Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Print Date: 11/27/23 13:11 1021682 **Project Supervisor:** David J Prichard

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Analytical Results

StateCertNo: 10248

CLIENT:	GeoLogic NY, Inc.	**Lab ID:**	**2316988-009A**
Project:	210087 2023 Annual Sampling	**Client Sample ID:**	*MW-8*
W Order:	2316988	**Collection Date:**	11/02/23 12:50
Matrix:	WATER	**Date Received:**	11/07/23 15:45
Inst. ID:	MS04 73	**Sample Size:** NA	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R36394
Revision:	11/27/23 13:09	**TestCode:** 8260W	**FileID:** I-SAMP-702413.
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					SW8260C/5030C		
1,1,1-Trichloroethane	ND		1.00	0.20	µg/L	2	11/14/23 6:04
1,1-Dichloroethene	ND		1.00	0.32	µg/L	2	11/14/23 6:04
cis-1,2-Dichloroethene	ND		1.00	0.20	µg/L	2	11/14/23 6:04
Tetrachloroethene	ND		1.00	0.20	µg/L	2	11/14/23 6:04
trans-1,2-Dichloroethene	ND		1.00	0.20	µg/L	2	11/14/23 6:04
Trichloroethene	0.34	J	1.00	0.20	µg/L	2	11/14/23 6:04
Vinyl chloride	ND		2.00	0.66	µg/L	2	11/14/23 6:04
Surr: 1,2-Dichloroethane-d4	120		75-130	0.32	%REC	2	11/14/23 6:04
Surr: Toluene-d8	94		75-125	0.20	%REC	2	11/14/23 6:04
Surr: 4-Bromofluorobenzene	117		75-125	0.20	%REC	2	11/14/23 6:04

Qualifiers:

*	Value may exceed the Acceptable Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

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Analytical Results

StateCertNo: 10248

CLIENT:	GeoLogic NY, Inc.	**Lab ID:**	**2316988-010A**
Project:	210087 2023 Annual Sampling	**Client Sample ID:**	MW-9
W Order:	2316988	**Collection Date:**	11/02/23 15:18
Matrix:	WATER	**Date Received:**	11/07/23 15:45
Inst. ID:	MS04 73	**Sample Size:** NA	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R36394
Revision:	11/27/23 13:09	**TestCode:** 8260W	**FileID:** 1-SAMP-702414.
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260C/5030C**		
1,1,1-Trichloroethane	ND		0.50	0.10	µg/L	1	11/14/23 6:49
1,1-Dichloroethene	ND		0.50	0.16	µg/L	1	11/14/23 6:49
cis-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	11/14/23 6:49
Tetrachloroethene	ND		0.50	0.10	µg/L	1	11/14/23 6:49
trans-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	11/14/23 6:49
Trichloroethene	0.39	J	0.50	0.10	µg/L	1	11/14/23 6:49
Vinyl chloride	ND		1.00	0.33	µg/L	1	11/14/23 6:49
Surr: 1,2-Dichloroethane-d4	120		75-130	0.16	%REC	1	11/14/23 6:49
Surr: Toluene-d8	95		75-125	0.10	%REC	1	11/14/23 6:49
Surr: 4-Bromofluorobenzene	115		75-125	0.10	%REC	1	11/14/23 6:49

Qualifiers:

*	Value may exceed the Acceptable Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

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Analytical Results

StateCertNo: 10248

CLIENT:	GeoLogic NY, Inc.	**Lab ID:**	**2316988-011A**
Project:	210087 2023 Annual Sampling	**Client Sample ID:**	*MW-10S*
W Order:	2316988	**Collection Date:**	11/01/23 13:10
Matrix:	WATER	**Date Received:**	11/07/23 15:45
Inst. ID:	MS04 73	**Sample Size:** NA	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R36394
Revision:	11/27/23 13:09	**TestCode:** 8260W	**FileID:** 1-SAMP-702415.
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					SW8260C/5030C		
1,1,1-Trichloroethane	ND		1.00	0.20	µg/L	2	11/14/23 7:34
1,1-Dichloroethene	ND		1.00	0.32	µg/L	2	11/14/23 7:34
cis-1,2-Dichloroethene	ND		1.00	0.20	µg/L	2	11/14/23 7:34
Tetrachloroethene	ND		1.00	0.20	µg/L	2	11/14/23 7:34
trans-1,2-Dichloroethene	ND		1.00	0.20	µg/L	2	11/14/23 7:34
Trichloroethene	0.50	J	1.00	0.20	µg/L	2	11/14/23 7:34
Vinyl chloride	ND		2.00	0.66	µg/L	2	11/14/23 7:34
Surr: 1,2-Dichloroethane-d4	131	S	75-130	0.32	%REC	2	11/14/23 7:34
Surr: Toluene-d8	93		75-125	0.20	%REC	2	11/14/23 7:34
Surr: 4-Bromofluorobenzene	117		75-125	0.20	%REC	2	11/14/23 7:34

Qualifiers:

*	Value may exceed the Acceptable Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Print Date: 11/27/23 13:11 1021685 **Project Supervisor:** David J Prichard

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Analytical Results

StateCertNo: 10248

CLIENT:	GeoLogic NY, Inc.	**Lab ID:**	**2316988-012A**
Project:	210087 2023 Annual Sampling	**Client Sample ID:**	*MW-10D*
W Order:	2316988	**Collection Date:**	11/01/23 13:19
Matrix:	WATER	**Date Received:**	11/07/23 15:45
Inst. ID:	MS04 73	**Sample Size:** NA	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R36394
Revision:	11/27/23 13:09	**TestCode:** 8260W	**FileID:** I-SAMP-702416.
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					SW8260C/5030C		
1,1,1-Trichloroethane	ND		0.50	0.10	µg/L	1	11/14/23 8:26
1,1-Dichloroethene	ND		0.50	0.16	µg/L	1	11/14/23 8:26
cis-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	11/14/23 8:26
Tetrachloroethene	ND		0.50	0.10	µg/L	1	11/14/23 8:26
trans-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	11/14/23 8:26
Trichloroethene	0.41	J	0.50	0.10	µg/L	1	11/14/23 8:26
Vinyl chloride	ND		1.00	0.33	µg/L	1	11/14/23 8:26
Surr: 1,2-Dichloroethane-d4	120		75-130	0.16	%REC	1	11/14/23 8:26
Surr: Toluene-d8	89		75-125	0.10	%REC	1	11/14/23 8:26
Surr: 4-Bromofluorobenzene	113		75-125	0.10	%REC	1	11/14/23 8:26

Qualifiers:

*	Value may exceed the Acceptable Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

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Analytical Results

StateCertNo: 10248

CLIENT:	GeoLogic NY, Inc.	**Lab ID:**	**2316988-013A**
Project:	210087 2023 Annual Sampling	**Client Sample ID:**	*MW-11*
W Order:	2316988	**Collection Date:**	11/02/23 15:04
Matrix:	WATER	**Date Received:**	11/07/23 15:45
Inst. ID:	MS04 73	**Sample Size:** NA	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R36394
Revision:	11/27/23 13:09	**TestCode:** 8260W	**FileID:** 1-SAMP-702417.
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					SW8260C/5030C		
1,1,1-Trichloroethane	ND		1.00	0.20	µg/L	2	11/14/23 9:12
1,1-Dichloroethene	ND		1.00	0.32	µg/L	2	11/14/23 9:12
cis-1,2-Dichloroethene	0.32	J	1.00	0.20	µg/L	2	11/14/23 9:12
Tetrachloroethene	ND		1.00	0.20	µg/L	2	11/14/23 9:12
trans-1,2-Dichloroethene	ND		1.00	0.20	µg/L	2	11/14/23 9:12
Trichloroethene	0.92	J	1.00	0.20	µg/L	2	11/14/23 9:12
Vinyl chloride	ND		2.00	0.66	µg/L	2	11/14/23 9:12
Surr: 1,2-Dichloroethane-d4	121		75-130	0.32	%REC	2	11/14/23 9:12
Surr: Toluene-d8	93		75-125	0.20	%REC	2	11/14/23 9:12
Surr: 4-Bromofluorobenzene	114		75-125	0.20	%REC	2	11/14/23 9:12

Qualifiers:

*	Value may exceed the Acceptable Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

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Analytical Results

StateCertNo: 10248

CLIENT:	GeoLogic NY, Inc.	**Lab ID:**	**2316988-014A**
Project:	210087 2023 Annual Sampling	**Client Sample ID:**	*MW-12S*
W Order:	2316988	**Collection Date:**	11/01/23 16:08
Matrix:	WATER	**Date Received:**	11/07/23 15:45
Inst. ID:	MS04 73	**Sample Size:** NA	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R36394
Revision:	11/27/23 13:09	**TestCode:** 8260W	**FileID:** 1-SAMP-702418.
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260C/5030C**		
1,1,1-Trichloroethane	ND		1.00	0.20	µg/L	2	11/14/23 9:58
1,1-Dichloroethene	ND		1.00	0.32	µg/L	2	11/14/23 9:58
cis-1,2-Dichloroethene	ND		1.00	0.20	µg/L	2	11/14/23 9:58
Tetrachloroethene	ND		1.00	0.20	µg/L	2	11/14/23 9:58
trans-1,2-Dichloroethene	ND		1.00	0.20	µg/L	2	11/14/23 9:58
Trichloroethene	0.46	J	1.00	0.20	µg/L	2	11/14/23 9:58
Vinyl chloride	ND		2.00	0.66	µg/L	2	11/14/23 9:58
Surr: 1,2-Dichloroethane-d4	125		75-130	0.32	%REC	2	11/14/23 9:58
Surr: Toluene-d8	91		75-125	0.20	%REC	2	11/14/23 9:58
Surr: 4-Bromofluorobenzene	115		75-125	0.20	%REC	2	11/14/23 9:58

Qualifiers:

*	Value may exceed the Acceptable Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5854 Butternut Drive
East Syracuse, NY 13057 (315) 445-1900

Analytical Results

StateCertNo: 10248

CLIENT:	GeoLogic NY, Inc.	**Lab ID:**	**2316988-015A**
Project:	210087 2023 Annual Sampling	**Client Sample ID:**	*MW-12D*
W Order:	2316988	**Collection Date:**	11/01/23 16:15
Matrix:	WATER	**Date Received:**	11/07/23 15:45
Inst. ID:	MS04 73	**Sample Size:** NA	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R36394
Revision:	11/27/23 13:09	**TestCode:** 8260W	**FileID:** I-SAMP-702419.
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					SW8260C/5030C		
1,1,1-Trichloroethane	ND		0.50	0.10	µg/L	1	11/14/23 10:42
1,1-Dichloroethene	ND		0.50	0.16	µg/L	1	11/14/23 10:42
cis-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	11/14/23 10:42
Tetrachloroethene	ND		0.50	0.10	µg/L	1	11/14/23 10:42
trans-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	11/14/23 10:42
Trichloroethene	0.41	J	0.50	0.10	µg/L	1	11/14/23 10:42
Vinyl chloride	ND		1.00	0.33	µg/L	1	11/14/23 10:42
Surr: 1,2-Dichloroethane-d4	128		75-130	0.16	%REC	1	11/14/23 10:42
Surr: Toluene-d8	94		75-125	0.10	%REC	1	11/14/23 10:42
Surr: 4-Bromofluorobenzene	115		75-125	0.10	%REC	1	11/14/23 10:42

Qualifiers:

*	Value may exceed the Acceptable Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

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East Syracuse, NY 13057 (315) 445-1900

Analytical Results

StateCertNo: 10248

CLIENT:	GeoLogic NY, Inc.	**Lab ID:**	**2316988-016A**
Project:	210087 2023 Annual Sampling	**Client Sample ID:**	*MW-L16*
W Order:	2316988	**Collection Date:**	11/02/23 10:58
Matrix:	WATER	**Date Received:**	11/07/23 15:45
Inst. ID:	MS04 73	**Sample Size:** NA	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R36394
Revision:	11/27/23 13:09	**TestCode:** 8260W	**FileID:** I-SAMP-702420.
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260C/5030C**		
1,1,1-Trichloroethane	ND		1.00	0.20	µg/L	2	11/14/23 11:26
1,1-Dichloroethene	ND		1.00	0.32	µg/L	2	11/14/23 11:26
cis-1,2-Dichloroethene	ND		1.00	0.20	µg/L	2	11/14/23 11:26
Tetrachloroethene	ND		1.00	0.20	µg/L	2	11/14/23 11:26
trans-1,2-Dichloroethene	ND		1.00	0.20	µg/L	2	11/14/23 11:26
Trichloroethene	0.58	J	1.00	0.20	µg/L	2	11/14/23 11:26
Vinyl chloride	ND		2.00	0.66	µg/L	2	11/14/23 11:26
Surr: 1,2-Dichloroethane-d4	126		75-130	0.32	%REC	2	11/14/23 11:26
Surr: Toluene-d8	90		75-125	0.20	%REC	2	11/14/23 11:26
Surr: 4-Bromofluorobenzene	115		75-125	0.20	%REC	2	11/14/23 11:26

Qualifiers:

*	Value may exceed the Acceptable Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.

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Analytical Results

StateCertNo: 10248

CLIENT:	GeoLogic NY, Inc.	**Lab ID:**	**2316988-017A**
Project:	210087 2023 Annual Sampling	**Client Sample ID:**	*Trip Blank*
W Order:	2316988	**Collection Date:**	07/25/23 0:00
Matrix:	WATER Q	**Date Received:**	11/07/23 15:45
Inst. ID:	MS04 73	**Sample Size:** NA	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R36394
Revision:	11/27/23 13:15	**TestCode:** 8260W	**FileID:** I-SAMP-702421.
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					SW8260C/5030C		
1,1,1-Trichloroethane	ND		0.50	0.10	µg/L	1	11/14/23 12:11
1,1-Dichloroethene	ND		0.50	0.16	µg/L	1	11/14/23 12:11
cis-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	11/14/23 12:11
Tetrachloroethene	ND		0.50	0.10	µg/L	1	11/14/23 12:11
trans-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	11/14/23 12:11
Trichloroethene	ND		0.50	0.10	µg/L	1	11/14/23 12:11
Vinyl chloride	ND		1.00	0.33	µg/L	1	11/14/23 12:11
Surr: 1,2-Dichloroethane-d4	125		75-130	0.16	%REC	1	11/14/23 12:11
Surr: Toluene-d8	90		75-125	0.10	%REC	1	11/14/23 12:11
Surr: 4-Bromofluorobenzene	116		75-125	0.10	%REC	1	11/14/23 12:11

Qualifiers:

*	Value may exceed the Acceptable Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Print Date: 11/27/23 13:15 1021691 **Project Supervisor:** David J Prichard

Life Science Laboratories, Inc.
5854 Butternut Drive
East Syracuse, NY 13057 (315) 445-1900

Analytical Results

StateCertNo: 10248

CLIENT:	GeoLogic NY, Inc.	**Lab ID:**	**2316988-018A**
Project:	210087 2023 Annual Sampling	**Client Sample ID:**	*Equipment Blank*
W Order:	2316988	**Collection Date:**	11/02/23 16:04
Matrix:	EQUIPMENT BLANK	**Date Received:**	11/07/23 15:45
Inst. ID:	MS04 73 **Sample Size:** NA	**PrepDate:**	
ColumnID:	Rtx-VMS **%Moisture:**	**BatchNo:**	R36394
Revision:	11/27/23 13:09 **TestCode:** 8260W	**FileID:**	I-SAMP-702422.
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260C/5030C**		
1,1,1-Trichloroethane	ND		0.50	0.10	µg/L	1	11/14/23 12:57
1,1-Dichloroethene	ND		0.50	0.16	µg/L	1	11/14/23 12:57
cis-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	11/14/23 12:57
Tetrachloroethene	ND		0.50	0.10	µg/L	1	11/14/23 12:57
trans-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	11/14/23 12:57
Trichloroethene	ND		0.50	0.10	µg/L	1	11/14/23 12:57
Vinyl chloride	ND		1.00	0.33	µg/L	1	11/14/23 12:57
Surr: 1,2-Dichloroethane-d4	124		75-130	0.16	%REC	1	11/14/23 12:57
Surr: Toluene-d8	93		75-125	0.10	%REC	1	11/14/23 12:57
Surr: 4-Bromofluorobenzene	113		75-125	0.10	%REC	1	11/14/23 12:57

Qualifiers:

*	Value may exceed the Acceptable Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

GeoLogic NY, P.C.
CHAIN OF CUSTODY RECORD

2316988

CLIENT: GeoLogic NY, P.C.

PROJECT: 210087 2023 Annual Sampling 1of 2

SAMPLER NAMES:

C. T. Gabriel

	SAMPLE LOCATION	DATE	TIME	SAMPLE TYPE			NO. of SAMPLES	ANALYSIS REQUIRED
				WATER	SOIL	AIR		
001	MW-1S	11-1	11:18	X			2	See Below
002	MW-1D	11-1	11:31	X			2	See Below
003	MW-2S	11-1	15:03	X			2	See Below
004	MW-4D	11-1	14:24	X			2	See Below
005	MW-5S	11-1	10:25	X			2	See Below
006	MW-5D	11-1	10:37	X			2	See Below
007	MW-6	11-2	12:33	X			2	See Below
008	MW-7	11-2	15:52	X			2	See Below
009	MW-8	11-2	12:50	X			2	See Below
010	MW-9	11-2	15:18	X			2	See Below

Relinquished by:	Date	Time	Received by:	Date	Time
Employee of GeoLogic	11/2/23	16:40	GeoLogic Sample Refrig	11/2/23	16:40
Relinquished by:	Date	Time	Received by:	Date	Time
GeoLogic Sample Refrig				11/7/23	8:53
Relinquished by:	Date	Time	Received for Lab by:	Date	Time
				11-7-23	15:45

Method of Shipment: LAB PICK-UP X TEMP 5.0° on Ice

COMMENTS:

Sample Analysis (1 µg/L reporting limit)

EPA 8260B for

1,1,1-Trichloroethane

1,1-Dichloroethene

1,2-Dichloroethene (cis- & trans-)

Trichloroethene

Tetrachloroethene

Vinyl Chloride

Samples Received

On Ice

P.O. BOX 350 HOMER, NEW YORK 13077 (607) 749-5000 FAX (607) 749-5063

GeoLogic NY, P.C.
CHAIN OF CUSTODY RECORD

2316988

CLIENT: GeoLogic NY, P.C.

PROJECT: 210087 2023 Annual Sampling 2of 2

SAMPLER NAMES:
C. T. Gabriel

SAMPLE LOCATION	DATE	TIME	SAMPLE TYPE			NO. of SAMPLES	ANALYSIS REQUIRED
			WATER	SOIL	AIR		
011 MW-10S	11-1	13:10	X			2	See Below
012 MW-10D	11-1	13:19	X			2	See Below
013 MW-11	11-2	15:04	X			2	See Below
014 MW-12S	11-1	16:08	X			2	See Below
015 MW-12D	11-1	16:15	X			2	See Below
016 MW-L16	11-2	10:58	X			2	See Below
017 Trip Blank	7-25		X			2	See Below
018 Equipment Blank	11-2	16:04	X			2	See Below

Relinquished by:	Date	Time	Received by:	Date	Time
Staff of GeoLogic	11/2/23	16:40	GeoLogic Sample Refrig.	11/2/23	16:40
Relinquished by:	Date	Time	Received by:	Date	Time
GeoLogic Sample Refrig				11/7/23	8:53
Relinquished by:	Date	Time	Received for Lab by:	Date	Time
				11-7-23	15:45

Method of Shipment: LAB PICK-UP X TEMP 5.0° on Ice

COMMENTS:

Sample Analysis (1 µg/L reporting limit)

EPA 8260B for

1,1,1-Trichloroethane

1,1-Dichloroethene

1,2-Dichloroethene (cis- & trans-)

Trichloroethene

Tetrachloroethene

Vinyl Chloride

Samples Received On Ice

P.O. BOX 350 HOMER, NEW YORK 13077 (607) 749-5000 FAX (607) 749-5063

Life Science Laboratories, Inc.

Sample Receipt Checklist

Client Name: **GEOLOGIC**

Date and Time Received: **11/7/2023 3:45:00 PM**

Work Order Number: **2316988**

Received by: gis

Checklist completed by: 75 (Initials) 11-7-23 (Date)

Reviewed by: DNP (Initials) 11/28/23 (Date)

Delivery Method: Courier

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Applicable ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Comments:

Corrective Action:

Life Science Laboratories, Inc.
5854 Butternut Drive
East Syracuse, NY 13057 (315) 445-1900

Friday, September 08, 2023

Mr. Christopher Gabriel
GeoLogic NY, Inc.
37 Copeland Ave.
Homer, NY 13077

TEL: 607 749-5000

Project: 210087 2023 QUARTERLY SAMPLING
RE: Analytical Results Order No.: 2311242

Dear Mr. Christopher Gabriel:

Life Science Laboratories, Inc. received 11 sample(s) on 8/1/2023 for the analyses presented in the following report. Sample results relate only to the samples as received by the laboratory.

Very truly yours,
Life Science Laboratories, Inc.

David J Prichard
Project Manager

Life Science Laboratories, Inc.
5854 Butternut Drive
East Syracuse, NY 13057 (315) 445-1900

Analytical Results

StateCertNo: 10248

CLIENT:	GeoLogic NY, Inc.	**Lab ID:**	**2311242-001A**
Project:	210087 2023 Quarterly Sampling	**Client Sample ID:**	MW-1S
W Order:	2311242	**Collection Date:**	07/26/23 8:55
Matrix:	WATER	**Date Received:**	08/01/23 8:10
Inst. ID:	MS04 73	**Sample Size:** NA	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R36245
Revision:	08/29/23 8:53	**TestCode:** 8260W	**FileID:** 1-SAMP-700989.
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260C/5030C**		
1,1,1-Trichloroethane	ND		0.50	0.10	µg/L	1	08/04/23 21:22
1,1-Dichloroethene	ND		0.50	0.16	µg/L	1	08/04/23 21:22
cis-1,2-Dichloroethene	0.11	J	0.50	0.10	µg/L	1	08/04/23 21:22
Tetrachloroethene	ND		0.50	0.10	µg/L	1	08/04/23 21:22
trans-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	08/04/23 21:22
Trichloroethene	0.62		0.50	0.10	µg/L	1	08/04/23 21:22
Vinyl chloride	ND		1.00	0.33	µg/L	1	08/04/23 21:22
Surr: 1,2-Dichloroethane-d4	121		75-130	0.16	%REC	1	08/04/23 21:22
Surr: Toluene-d8	98		75-125	0.10	%REC	1	08/04/23 21:22
Surr: 4-Bromofluorobenzene	117		75-125	0.10	%REC	1	08/04/23 21:22

Qualifiers:

*	Value may exceed the Acceptable Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.

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Analytical Results

StateCertNo: 10248

CLIENT:	GeoLogic NY, Inc.	**Lab ID:**	**2311242-002A**
Project:	210087 2023 Quarterly Sampling	**Client Sample ID:**	*MW-1D*
W Order:	2311242	**Collection Date:**	07/26/23 9:10
Matrix:	WATER	**Date Received:**	08/01/23 8:10
Inst. ID:	MS04 73	**Sample Size:** NA	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R36245
Revision:	08/29/23 8:53	**TestCode:** 8260W	**FileID:** I-SAMP-700990.
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260C/5030C**		
1,1,1-Trichloroethane	ND		1.00	0.20	µg/L	2	08/04/23 21:59
1,1-Dichloroethene	ND		1.00	0.32	µg/L	2	08/04/23 21:59
cis-1,2-Dichloroethene	ND		1.00	0.20	µg/L	2	08/04/23 21:59
Tetrachloroethene	ND		1.00	0.20	µg/L	2	08/04/23 21:59
trans-1,2-Dichloroethene	ND		1.00	0.20	µg/L	2	08/04/23 21:59
Trichloroethene	0.70	J	1.00	0.20	µg/L	2	08/04/23 21:59
Vinyl chloride	ND		2.00	0.66	µg/L	2	08/04/23 21:59
Surr: 1,2-Dichloroethane-d4	124		75-130	0.32	%REC	2	08/04/23 21:59
Surr: Toluene-d8	97		75-125	0.20	%REC	2	08/04/23 21:59
Surr: 4-Bromofluorobenzene	115		75-125	0.20	%REC	2	08/04/23 21:59

Qualifiers:

*	Value may exceed the Acceptable Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.

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Analytical Results

StateCertNo: 10248

CLIENT:	GeoLogic NY, Inc.	**Lab ID:**	**2311242-003A**
Project:	210087 2023 Quarterly Sampling	**Client Sample ID:**	MW-6
W Order:	2311242	**Collection Date:**	07/26/23 11:35
Matrix:	WATER	**Date Received:**	08/01/23 8:10
Inst. ID:	MS04 73	**Sample Size:** NA	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R36245
Revision:	08/29/23 8:53	**TestCode:** 8260W	**FileID:** 1-SAMP-700991.
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260C/5030C**		
1,1,1-Trichloroethane	ND		2.50	0.50	µg/L	5	08/04/23 22:36
1,1-Dichloroethene	ND		2.50	0.80	µg/L	5	08/04/23 22:36
cis-1,2-Dichloroethene	ND		2.50	0.50	µg/L	5	08/04/23 22:36
Tetrachloroethene	ND		2.50	0.50	µg/L	5	08/04/23 22:36
trans-1,2-Dichloroethene	ND		2.50	0.50	µg/L	5	08/04/23 22:36
Trichloroethene	1.55	J	2.50	0.50	µg/L	5	08/04/23 22:36
Vinyl chloride	ND		5.00	1.65	µg/L	5	08/04/23 22:36
Surr: 1,2-Dichloroethane-d4	120		75-130	0.80	%REC	5	08/04/23 22:36
Surr: Toluene-d8	98		75-125	0.50	%REC	5	08/04/23 22:36
Surr: 4-Bromofluorobenzene	119		75-125	0.50	%REC	5	08/04/23 22:36

Qualifiers:

*	Value may exceed the Acceptable Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.

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East Syracuse, NY 13057 (315) 445-1900

Analytical Results

StateCertNo: 10248

CLIENT:	GeoLogic NY, Inc.	**Lab ID:**	**2311242-004A**
Project:	210087 2023 Quarterly Sampling	**Client Sample ID:**	MW-7
W Order:	2311242	**Collection Date:**	07/26/23 12:51
Matrix:	WATER	**Date Received:**	08/01/23 8:10
Inst. ID:	MS04 73	**Sample Size:** NA	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R36245
Revision:	08/29/23 8:53	**TestCode:** 8260W	**FileID:** I-SAMP-700992.
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260C/5030C**		
1,1,1-Trichloroethane	ND		1.00	0.20	µg/L	2	08/04/23 23:13
1,1-Dichloroethene	ND		1.00	0.32	µg/L	2	08/04/23 23:13
cis-1,2-Dichloroethene	ND		1.00	0.20	µg/L	2	08/04/23 23:13
Tetrachloroethene	ND		1.00	0.20	µg/L	2	08/04/23 23:13
trans-1,2-Dichloroethene	ND		1.00	0.20	µg/L	2	08/04/23 23:13
Trichloroethene	0.38	J	1.00	0.20	µg/L	2	08/04/23 23:13
Vinyl chloride	ND		2.00	0.66	µg/L	2	08/04/23 23:13
Surr: 1,2-Dichloroethane-d4	125		75-130	0.32	%REC	2	08/04/23 23:13
Surr: Toluene-d8	93		75-125	0.20	%REC	2	08/04/23 23:13
Surr: 4-Bromofluorobenzene	118		75-125	0.20	%REC	2	08/04/23 23:13

Qualifiers:

*	Value may exceed the Acceptable Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5854 Butternut Drive
East Syracuse, NY 13057 (315) 445-1900

Analytical Results

StateCertNo: 10248

CLIENT:	GeoLogic NY, Inc.	**Lab ID:**	**2311242-005A**
Project:	210087 2023 Quarterly Sampling	**Client Sample ID:**	MW-8
W Order:	2311242	**Collection Date:**	07/26/23 12:00
Matrix:	WATER	**Date Received:**	08/01/23 8:10
Inst. ID:	MS04 73	**Sample Size:** NA	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R36245
Revision:	08/29/23 8:53	**TestCode:** 8260W	**FileID:** 1-SAMP-700993.
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260C/5030C**		
1,1,1-Trichloroethane	ND		1.00	0.20	µg/L	2	08/04/23 23:51
1,1-Dichloroethene	ND		1.00	0.32	µg/L	2	08/04/23 23:51
cis-1,2-Dichloroethene	ND		1.00	0.20	µg/L	2	08/04/23 23:51
Tetrachloroethene	ND		1.00	0.20	µg/L	2	08/04/23 23:51
trans-1,2-Dichloroethene	ND		1.00	0.20	µg/L	2	08/04/23 23:51
Trichloroethene	0.30	J	1.00	0.20	µg/L	2	08/04/23 23:51
Vinyl chloride	ND		2.00	0.66	µg/L	2	08/04/23 23:51
Surr: 1,2-Dichloroethane-d4	126		75-130	0.32	%REC	2	08/04/23 23:51
Surr: Toluene-d8	97		75-125	0.20	%REC	2	08/04/23 23:51
Surr: 4-Bromofluorobenzene	112		75-125	0.20	%REC	2	08/04/23 23:51

Qualifiers:

*	Value may exceed the Acceptable Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.

5854 Butternut Drive
East Syracuse, NY 13057 (315) 445-1900

Analytical Results

StateCertNo: 10248

CLIENT:	GeoLogic NY, Inc.	**Lab ID:**	**2311242-006A**
Project:	210087 2023 Quarterly Sampling	**Client Sample ID:**	*MW-10S*
W Order:	2311242	**Collection Date:**	07/26/23 10:20
Matrix:	WATER	**Date Received:**	08/01/23 8:10
Inst. ID:	MS04 73	**Sample Size:** NA	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R36245
Revision:	08/29/23 8:53	**TestCode:** 8260W	**FileID:** I-SAMP-700994.
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260C/5030C**		
1,1,1-Trichloroethane	ND		1.00	0.20	µg/L	2	08/05/23 0:27
1,1-Dichloroethene	ND		1.00	0.32	µg/L	2	08/05/23 0:27
cis-1,2-Dichloroethene	ND		1.00	0.20	µg/L	2	08/05/23 0:27
Tetrachloroethene	ND		1.00	0.20	µg/L	2	08/05/23 0:27
trans-1,2-Dichloroethene	ND		1.00	0.20	µg/L	2	08/05/23 0:27
Trichloroethene	0.72	J	1.00	0.20	µg/L	2	08/05/23 0:27
Vinyl chloride	ND		2.00	0.66	µg/L	2	08/05/23 0:27
Surr: 1,2-Dichloroethane-d4	125		75-130	0.32	%REC	2	08/05/23 0:27
Surr: Toluene-d8	97		75-125	0.20	%REC	2	08/05/23 0:27
Surr: 4-Bromofluorobenzene	110		75-125	0.20	%REC	2	08/05/23 0:27

Qualifiers:

*	Value may exceed the Acceptable Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

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East Syracuse, NY 13057 (315) 445-1900

Analytical Results

StateCertNo: 10248

CLIENT:	GeoLogic NY, Inc.	**Lab ID:**	**2311242-007A**
Project:	210087 2023 Quarterly Sampling	**Client Sample ID:**	*MW-10D*
W Order:	2311242	**Collection Date:**	07/26/23 10:10
Matrix:	WATER	**Date Received:**	08/01/23 8:10
Inst. ID:	MS04 73	**Sample Size:** NA	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R36245
Revision:	08/29/23 8:53	**TestCode:** 8260W	**FileID:** 1-SAMP-700999.
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					SW8260C/5030C		
1,1,1-Trichloroethane	ND		0.50	0.10	µg/L	1	08/05/23 3:33
1,1-Dichloroethene	ND		0.50	0.16	µg/L	1	08/05/23 3:33
cis-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	08/05/23 3:33
Tetrachloroethene	ND		0.50	0.10	µg/L	1	08/05/23 3:33
trans-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	08/05/23 3:33
Trichloroethene	0.44	J	0.50	0.10	µg/L	1	08/05/23 3:33
Vinyl chloride	ND		1.00	0.33	µg/L	1	08/05/23 3:33
Surr: 1,2-Dichloroethane-d4	117		75-130	0.16	%REC	1	08/05/23 3:33
Surr: Toluene-d8	98		75-125	0.10	%REC	1	08/05/23 3:33
Surr: 4-Bromofluorobenzene	114		75-125	0.10	%REC	1	08/05/23 3:33

Qualifiers:

*	Value may exceed the Acceptable Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.

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Analytical Results

CLIENT:	GeoLogic NY, Inc.	**Lab ID:**	**2311242-008A**
Project:	210087 2023 Quarterly Sampling	**Client Sample ID:**	*MW-11*
W Order:	2311242	**Collection Date:**	07/26/23 12:29
Matrix:	WATER	**Date Received:**	08/01/23 8:10
Inst. ID:	MS04 73	**Sample Size:** NA	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R36245
Revision:	08/29/23 8:53	**TestCode:** 8260W	**FileID:** 1-SAMP-701000.
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260C/5030C**		
1,1,1-Trichloroethane	ND		5.00	1.00	µg/L	10	08/05/23 4:11
1,1-Dichloroethene	ND		5.00	1.60	µg/L	10	08/05/23 4:11
cis-1,2-Dichloroethene	ND		5.00	1.00	µg/L	10	08/05/23 4:11
Tetrachloroethene	ND		5.00	1.00	µg/L	10	08/05/23 4:11
trans-1,2-Dichloroethene	ND		5.00	1.00	µg/L	10	08/05/23 4:11
Trichloroethene	1.00	J	5.00	1.00	µg/L	10	08/05/23 4:11
Vinyl chloride	ND		10.0	3.30	µg/L	10	08/05/23 4:11
Surr: 1,2-Dichloroethane-d4	121		75-130	1.60	%REC	10	08/05/23 4:11
Surr: Toluene-d8	95		75-125	1.00	%REC	10	08/05/23 4:11
Surr: 4-Bromofluorobenzene	117		75-125	1.00	%REC	10	08/05/23 4:11

Qualifiers:

*	Value may exceed the Acceptable Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.

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East Syracuse, NY 13057 (315) 445-1900

Analytical Results

StateCertNo: 10248

CLIENT:	GeoLogic NY, Inc.	**Lab ID:**	**2311242-009A**
Project:	210087 2023 Quarterly Sampling	**Client Sample ID:**	*MW-12S*
W Order:	2311242	**Collection Date:**	07/26/23 11:00
Matrix:	WATER	**Date Received:**	08/01/23 8:10
Inst. ID:	MS04 73	**Sample Size:** NA	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R36245
Revision:	08/29/23 8:53	**TestCode:** 8260W	**FileID:** 1-SAMP-701001.
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260C/5030C**		
1,1,1-Trichloroethane	ND		2.50	0.50	µg/L	5	08/05/23 4:48
1,1-Dichloroethene	ND		2.50	0.80	µg/L	5	08/05/23 4:48
cis-1,2-Dichloroethene	ND		2.50	0.50	µg/L	5	08/05/23 4:48
Tetrachloroethene	ND		2.50	0.50	µg/L	5	08/05/23 4:48
trans-1,2-Dichloroethene	ND		2.50	0.50	µg/L	5	08/05/23 4:48
Trichloroethene	0.70	J	2.50	0.50	µg/L	5	08/05/23 4:48
Vinyl chloride	ND		5.00	1.65	µg/L	5	08/05/23 4:48
Surr: 1,2-Dichloroethane-d4	124		75-130	0.80	%REC	5	08/05/23 4:48
Surr: Toluene-d8	96		75-125	0.50	%REC	5	08/05/23 4:48
Surr: 4-Bromofluorobenzene	116		75-125	0.50	%REC	5	08/05/23 4:48

Qualifiers:

*	Value may exceed the Acceptable Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Print Date: 08/29/23 8:53 1016155 **Project Supervisor:** David J Prichard

Life Science Laboratories, Inc.

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East Syracuse, NY 13057 (315) 445-1900

Analytical Results

StateCertNo: 10248

CLIENT:	GeoLogic NY, Inc.	**Lab ID:**	**2311242-010A**
Project:	210087 2023 Quarterly Sampling	**Client Sample ID:**	*MW-L16*
W Order:	2311242	**Collection Date:**	07/26/23 12:37
Matrix:	WATER	**Date Received:**	08/01/23 8:10
Inst. ID:	MS04 73	**Sample Size:** NA	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R36245
Revision:	08/29/23 8:53	**TestCode:** 8260W	**FileID:** I-SAMP-701002.
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260C/5030C**		
1,1,1-Trichloroethane	ND		1.00	0.20	µg/L	2	08/05/23 5:27
1,1-Dichloroethene	ND		1.00	0.32	µg/L	2	08/05/23 5:27
cis-1,2-Dichloroethene	ND		1.00	0.20	µg/L	2	08/05/23 5:27
Tetrachloroethene	ND		1.00	0.20	µg/L	2	08/05/23 5:27
trans-1,2-Dichloroethene	ND		1.00	0.20	µg/L	2	08/05/23 5:27
Trichloroethene	0.68	J	1.00	0.20	µg/L	2	08/05/23 5:27
Vinyl chloride	ND		2.00	0.66	µg/L	2	08/05/23 5:27
Surr: 1,2-Dichloroethane-d4	121		75-130	0.32	%REC	2	08/05/23 5:27
Surr: Toluene-d8	96		75-125	0.20	%REC	2	08/05/23 5:27
Surr: 4-Bromofluorobenzene	112		75-125	0.20	%REC	2	08/05/23 5:27

Qualifiers:

*	Value may exceed the Acceptable Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
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East Syracuse, NY 13057 (315) 445-1900

Analytical Results

StateCertNo: 10248

CLIENT:	GeoLogic NY, Inc.	**Lab ID:**	**2311242-011A**
Project:	210087 2023 Quarterly Sampling	**Client Sample ID:**	*Trip Blank*
W Order:	2311242	**Collection Date:**	11/28/22 0:00
Matrix:	WATER Q	**Date Received:**	08/01/23 8:10
Inst. ID:	MS04 73	**Sample Size:** NA	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R36245
Revision:	08/29/23 8:53	**TestCode:** 8260W	**FileID:** I-SAMP-701003.
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260C/5030C**		
1,1,1-Trichloroethane	ND		0.50	0.10	µg/L	1	08/05/23 6:03
1,1-Dichloroethene	ND		0.50	0.16	µg/L	1	08/05/23 6:03
cis-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	08/05/23 6:03
Tetrachloroethene	ND		0.50	0.10	µg/L	1	08/05/23 6:03
trans-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	08/05/23 6:03
Trichloroethene	ND		0.50	0.10	µg/L	1	08/05/23 6:03
Vinyl chloride	ND		1.00	0.33	µg/L	1	08/05/23 6:03
Surr: 1,2-Dichloroethane-d4	126		75-130	0.16	%REC	1	08/05/23 6:03
Surr: Toluene-d8	95		75-125	0.10	%REC	1	08/05/23 6:03
Surr: 4-Bromofluorobenzene	111		75-125	0.10	%REC	1	08/05/23 6:03

Qualifiers:

*	Value may exceed the Acceptable Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

GeoLogic NY, P.C.

CHAIN OF CUSTODY RECORD

2311242

CLIENT: GeoLogic

SAMPLERS NAME(S):

PROJECT: 210087

J. Menzel & C. T. Gabriel

	SAMPLE LOCATION	DATE	TIME	SAMPLE TYPE			NO. of SAMPLES	ANALYSIS REQUIRED
				WATER	SOIL	AIR		
001	MW-1S	7-26-23	8:55	X			2	See Below
002	MW-1D	7-26-23	9:10	X			2	"
003	MW-6	7-26-23	11:35	X			2	"
004	MW-7	7-26-23	12:51	X			2	"
005	MW-8	7-26-23	12:00	X			2	"
006	MW-10S	7-26-23	10:20	X			2	"
007	MW-10D	7-26-23	10:10	X			2	"
008	MW-11	7-26-23	12:29	X			2	"
009	MW-12S	7-26-23	11:00	X			2	"
010	MW-L16	7-26-23	12:37	X			2	"
011	Trip Blank	11-28-22		X			2	

Relinquished by:	Date	Time	Received by:	Date	Time
	7-26-23	14:00	GeoLogic Sample Frig	7-26-23	14:00
Relinquished by:	Date	Time	Received by:	Date	Time
	8/1/23	8:10			
Relinquished by:	Date	Time	Received for Lab by:	Date	Time
				8/1/23	8:10

Method of Shipment: LAB PICK UP _____ TEMP 12.4

COMMENTS:

Sample Analysis (1 µg/L reporting limit)

EPA 82608 for

1,1,1-Trichloroethane

1,1-Dichloroethene

1,2-Dichloroethene

Trichloroethene

Tetrachloroethene

Vinyl Chloride

P.O. BOX 350 HOMER, NEW YORK 13077 (607) 749-5000 FAX (607) 749-5063

Life Science Laboratories, Inc.

Sample Receipt Checklist

Client Name: **GEOLOGIC**

Date and Time Received: **8/1/2023 8:10:00 AM**

Work Order Number: **2311242**

Received by: gis

Checklist completed by: GS (Initials) 8-1-23 (Date)

Reviewed by: [illegible] (Initials) 8/8/23 (Date)

Delivery Method: Hand Delivered

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Applicable ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Comments:

Corrective Action:

Life Science Laboratories, Inc.
5854 Butternut Drive
East Syracuse, NY 13057 (315) 445-1900

Wednesday, May 03, 2023

Mr. Christopher Gabriel
GeoLogic NY, Inc.
37 Copeland Ave.
Homer, NY 13077

TEL: 607 749-5000

Project: 210087 2023 QUARTERLY SAMPLING
RE: Analytical Results Order No.: 2305609

Dear Mr. Christopher Gabriel:

Life Science Laboratories, Inc. received 11 sample(s) on 4/26/2023 for the analyses presented in the following report. Sample results relate only to the samples as received by the laboratory.

Very truly yours,
Life Science Laboratories, Inc.

David J Prichard
Project Manager

Life Science Laboratories, Inc.

5854 Butternut Drive
East Syracuse, NY 13057 (315) 445-1900

Analytical Results

StateCertNo: 10248

CLIENT:	GeoLogic NY, Inc.	**Lab ID:**	**2305609-001A**
Project:	210087 2023 Quarterly Sampling	**Client Sample ID:**	MW-15
W Order:	2305609	**Collection Date:**	04/25/23 12:05
Matrix:	WATER	**Date Received:**	04/26/23 15:50
Inst. ID:	MSN 76	**Sample Size:** NA	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R36069
Revision:	05/02/23 8:36	**TestCode:** 8260W	**FileID:** 1-SAMP-N2416.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260C/5030C**		
1,1,1-Trichloroethane	ND		0.50	0.10	µg/L	1	04/27/23 21:03
1,1-Dichloroethene	ND		0.50	0.16	µg/L	1	04/27/23 21:03
cis-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	04/27/23 21:03
Tetrachloroethene	ND		0.50	0.10	µg/L	1	04/27/23 21:03
trans-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	04/27/23 21:03
Trichloroethene	0.71		0.50	0.10	µg/L	1	04/27/23 21:03
Vinyl chloride	ND		1.00	0.33	µg/L	1	04/27/23 21:03
Surr: 1,2-Dichloroethane-d4	111		75-130	0.16	%REC	1	04/27/23 21:03
Surr: Toluene-d8	104		75-125	0.10	%REC	1	04/27/23 21:03
Surr: 4-Bromofluorobenzene	119		75-125	0.10	%REC	1	04/27/23 21:03

Qualifiers:

*	Value may exceed the Acceptable Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

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East Syracuse, NY 13057 (315) 445-1900

Analytical Results

StateCertNo: 10248

CLIENT:	GeoLogic NY, Inc.	**Lab ID:**	**2305609-002A**
Project:	210087 2023 Quarterly Sampling	**Client Sample ID:**	*MW-1D*
W Order:	2305609	**Collection Date:**	04/25/23 12:47
Matrix:	WATER	**Date Received:**	04/26/23 15:50
Inst. ID:	MSN 76	**Sample Size:** NA	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R36069
Revision:	05/02/23 8:36	**TestCode:** 8260W	**FileID:** I-SAMP-N2417.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260C/5030C**		
1,1,1-Trichloroethane	ND		0.50	0.10	µg/L	1	04/27/23 21:38
1,1-Dichloroethene	ND		0.50	0.16	µg/L	1	04/27/23 21:38
cis-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	04/27/23 21:38
Tetrachloroethene	ND		0.50	0.10	µg/L	1	04/27/23 21:38
trans-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	04/27/23 21:38
Trichloroethene	0.29	J	0.50	0.10	µg/L	1	04/27/23 21:38
Vinyl chloride	ND		1.00	0.33	µg/L	1	04/27/23 21:38
Surr: 1,2-Dichloroethane-d4	115		75-130	0.16	%REC	1	04/27/23 21:38
Surr: Toluene-d8	107		75-125	0.10	%REC	1	04/27/23 21:38
Surr: 4-Bromofluorobenzene	122		75-125	0.10	%REC	1	04/27/23 21:38

Qualifiers:

*	Value may exceed the Acceptable Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5854 Butternut Drive
East Syracuse, NY 13057 (315) 445-1900

Analytical Results

StateCertNo: 10248

CLIENT:	GeoLogic NY, Inc.	**Lab ID:**	**2305609-003A**
Project:	210087 2023 Quarterly Sampling	**Client Sample ID:**	*MW-6*
W Order:	2305609	**Collection Date:**	04/24/23 12:50
Matrix:	WATER	**Date Received:**	04/26/23 15:50
Inst. ID:	MSN 76 **Sample Size:** NA	**PrepDate:**	
ColumnID:	Rtx-VMS **%Moisture:**	**BatchNo:**	R36069
Revision:	05/02/23 8:36 **TestCode:** 8260W	**FileID:**	1-SAMP-N2418.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260C/5030C**		
1,1,1-Trichloroethane	ND		1.00	0.20	µg/L	2	04/27/23 22:13
1,1-Dichloroethene	ND		1.00	0.32	µg/L	2	04/27/23 22:13
cis-1,2-Dichloroethene	ND		1.00	0.20	µg/L	2	04/27/23 22:13
Tetrachloroethene	ND		1.00	0.20	µg/L	2	04/27/23 22:13
trans-1,2-Dichloroethene	ND		1.00	0.20	µg/L	2	04/27/23 22:13
Trichloroethene	0.56	J	1.00	0.20	µg/L	2	04/27/23 22:13
Vinyl chloride	ND		2.00	0.66	µg/L	2	04/27/23 22:13
Surr: 1,2-Dichloroethane-d4	116		75-130	0.32	%REC	2	04/27/23 22:13
Surr: Toluene-d8	105		75-125	0.20	%REC	2	04/27/23 22:13
Surr: 4-Bromofluorobenzene	121		75-125	0.20	%REC	2	04/27/23 22:13

Qualifiers:

*	Value may exceed the Acceptable Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

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Analytical Results

StateCertNo: 10248

CLIENT:	GeoLogic NY, Inc.	**Lab ID:**	**2305609-004A**
Project:	210087 2023 Quarterly Sampling	**Client Sample ID:**	*MW-7*
W Order:	2305609	**Collection Date:**	04/24/23 16:15
Matrix:	WATER	**Date Received:**	04/26/23 15:50
Inst. ID:	MSN 76	**Sample Size:** NA	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R36069
Revision:	05/02/23 8:36	**TestCode:** 8260W	**FileID:** I-SAMP-N2419.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260C/5030C**		
1,1,1-Trichloroethane	ND		2.50	0.50	µg/L	5	04/27/23 22:47
1,1-Dichloroethene	ND		2.50	0.80	µg/L	5	04/27/23 22:47
cis-1,2-Dichloroethene	ND		2.50	0.50	µg/L	5	04/27/23 22:47
Tetrachloroethene	ND		2.50	0.50	µg/L	5	04/27/23 22:47
trans-1,2-Dichloroethene	ND		2.50	0.50	µg/L	5	04/27/23 22:47
Trichloroethene	0.90	J	2.50	0.50	µg/L	5	04/27/23 22:47
Vinyl chloride	ND		5.00	1.65	µg/L	5	04/27/23 22:47
Surr: 1,2-Dichloroethane-d4	117		75-130	0.80	%REC	5	04/27/23 22:47
Surr: Toluene-d8	104		75-125	0.50	%REC	5	04/27/23 22:47
Surr: 4-Bromofluorobenzene	116		75-125	0.50	%REC	5	04/27/23 22:47

Qualifiers:

*	Value may exceed the Acceptable Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

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Analytical Results

StateCertNo: 10248

CLIENT:	GeoLogic NY, Inc.	**Lab ID:**	**2305609-005A**
Project:	210087 2023 Quarterly Sampling	**Client Sample ID:**	*MW-8*
W Order:	2305609	**Collection Date:**	04/24/23 13:40
Matrix:	WATER	**Date Received:**	04/26/23 15:50
Inst. ID:	MSN 76	**Sample Size:** NA	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R36069
Revision:	05/02/23 8:36	**TestCode:** 8260W	**FileID:** I-SAMP-N2420.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260C/5030C**		
1,1,1-Trichloroethane	ND		1.00	0.20	µg/L	2	04/27/23 23:22
1,1-Dichloroethene	ND		1.00	0.32	µg/L	2	04/27/23 23:22
cis-1,2-Dichloroethene	ND		1.00	0.20	µg/L	2	04/27/23 23:22
Tetrachloroethene	ND		1.00	0.20	µg/L	2	04/27/23 23:22
trans-1,2-Dichloroethene	ND		1.00	0.20	µg/L	2	04/27/23 23:22
Trichloroethene	0.38	J	1.00	0.20	µg/L	2	04/27/23 23:22
Vinyl chloride	ND		2.00	0.66	µg/L	2	04/27/23 23:22
Surr: 1,2-Dichloroethane-d4	114		75-130	0.32	%REC	2	04/27/23 23:22
Surr: Toluene-d8	101		75-125	0.20	%REC	2	04/27/23 23:22
Surr: 4-Bromofluorobenzene	121		75-125	0.20	%REC	2	04/27/23 23:22

Qualifiers:

*	Value may exceed the Acceptable Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

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East Syracuse, NY 13057 (315) 445-1900

Analytical Results

StateCertNo: 10248

CLIENT:	GeoLogic NY, Inc.	**Lab ID:**	**2305609-006A**
Project:	210087 2023 Quarterly Sampling	**Client Sample ID:**	*MW-10S*
W Order:	2305609	**Collection Date:**	04/25/23 11:16
Matrix:	WATER	**Date Received:**	04/26/23 15:50
Inst. ID:	MSN 76	**Sample Size:** NA	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R36069
Revision:	05/02/23 8:36	**TestCode:** 8260W	**FileID:** I-SAMP-N2424.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260C/5030C**		
1,1,1-Trichloroethane	ND		1.00	0.20	µg/L	2	04/28/23 1:40
1,1-Dichloroethene	ND		1.00	0.32	µg/L	2	04/28/23 1:40
cis-1,2-Dichloroethene	ND		1.00	0.20	µg/L	2	04/28/23 1:40
Tetrachloroethene	ND		1.00	0.20	µg/L	2	04/28/23 1:40
trans-1,2-Dichloroethene	ND		1.00	0.20	µg/L	2	04/28/23 1:40
Trichloroethene	0.78	J	1.00	0.20	µg/L	2	04/28/23 1:40
Vinyl chloride	ND		2.00	0.66	µg/L	2	04/28/23 1:40
Surr: 1,2-Dichloroethane-d4	127		75-130	0.32	%REC	2	04/28/23 1:40
Surr: Toluene-d8	103		75-125	0.20	%REC	2	04/28/23 1:40
Surr: 4-Bromofluorobenzene	125		75-125	0.20	%REC	2	04/28/23 1:40

Qualifiers:

*	Value may exceed the Acceptable Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

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East Syracuse, NY 13057 (315) 445-1900

Analytical Results

StateCertNo: 10248

CLIENT:	GeoLogic NY, Inc.	**Lab ID:**	**2305609-007A**
Project:	210087 2023 Quarterly Sampling	**Client Sample ID:**	*MW-10D*
W Order:	2305609	**Collection Date:**	04/25/23 11:12
Matrix:	WATER	**Date Received:**	04/26/23 15:50
Inst. ID:	MSN 76 **Sample Size:** NA	**PrepDate:**	
ColumnID:	Rtx-VMS **%Moisture:**	**BatchNo:**	R36069
Revision:	05/02/23 8:36 **TestCode:** 8260W	**FileID:**	1-SAMP-N2425.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260C/5030C**		
1,1,1-Trichloroethane	ND		0.50	0.10	µg/L	1	04/28/23 2:15
1,1-Dichloroethene	ND		0.50	0.16	µg/L	1	04/28/23 2:15
cis-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	04/28/23 2:15
Tetrachloroethene	ND		0.50	0.10	µg/L	1	04/28/23 2:15
trans-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	04/28/23 2:15
Trichloroethene	0.55		0.50	0.10	µg/L	1	04/28/23 2:15
Vinyl chloride	ND		1.00	0.33	µg/L	1	04/28/23 2:15
Surr: 1,2-Dichloroethane-d4	129		75-130	0.16	%REC	1	04/28/23 2:15
Surr: Toluene-d8	101		75-125	0.10	%REC	1	04/28/23 2:15
Surr: 4-Bromofluorobenzene	121		75-125	0.10	%REC	1	04/28/23 2:15

Qualifiers:

*	Value may exceed the Acceptable Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

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Analytical Results

StateCertNo: 10248

CLIENT:	GeoLogic NY, Inc.	**Lab ID:**	**2305609-008A**
Project:	210087 2023 Quarterly Sampling	**Client Sample ID:**	*MW-11*
W Order:	2305609	**Collection Date:**	04/24/23 14:20
Matrix:	WATER	**Date Received:**	04/26/23 15:50
Inst. ID:	MSN 76	**Sample Size:** NA	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R36069
Revision:	05/02/23 8:36	**TestCode:** 8260W	**FileID:** I-SAMP-N2426.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260C/5030C**		
1,1,1-Trichloroethane	ND		5.00	1.00	µg/L	10	04/28/23 2:49
1,1-Dichloroethene	ND		5.00	1.60	µg/L	10	04/28/23 2:49
cis-1,2-Dichloroethene	ND		5.00	1.00	µg/L	10	04/28/23 2:49
Tetrachloroethene	ND		5.00	1.00	µg/L	10	04/28/23 2:49
trans-1,2-Dichloroethene	ND		5.00	1.00	µg/L	10	04/28/23 2:49
Trichloroethene	1.90	J	5.00	1.00	µg/L	10	04/28/23 2:49
Vinyl chloride	ND		10.0	3.30	µg/L	10	04/28/23 2:49
Surr: 1,2-Dichloroethane-d4	130		75-130	1.60	%REC	10	04/28/23 2:49
Surr: Toluene-d8	105		75-125	1.00	%REC	10	04/28/23 2:49
Surr: 4-Bromofluorobenzene	125		75-125	1.00	%REC	10	04/28/23 2:49

Qualifiers:

*	Value may exceed the Acceptable Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.

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Analytical Results

StateCertNo: 10248

CLIENT:	GeoLogic NY, Inc.	**Lab ID:**	**2305609-009A**
Project:	210087 2023 Quarterly Sampling	**Client Sample ID:**	*MW-12S*
W Order:	2305609	**Collection Date:**	04/25/23 10:04
Matrix:	WATER	**Date Received:**	04/26/23 15:50
Inst. ID:	MSN 76 **Sample Size:** NA	**PrepDate:**	
ColumnID:	Rtx-VMS **%Moisture:**	**BatchNo:**	R36069
Revision:	05/02/23 8:36 **TestCode:** 8260W	**FileID:**	I-SAMP-N2427.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260C/5030C**		
1,1,1-Trichloroethane	ND		2.50	0.50	µg/L	5	04/28/23 3:24
1,1-Dichloroethene	ND		2.50	0.80	µg/L	5	04/28/23 3:24
cis-1,2-Dichloroethene	ND		2.50	0.50	µg/L	5	04/28/23 3:24
Tetrachloroethene	ND		2.50	0.50	µg/L	5	04/28/23 3:24
trans-1,2-Dichloroethene	ND		2.50	0.50	µg/L	5	04/28/23 3:24
Trichloroethene	ND		2.50	0.50	µg/L	5	04/28/23 3:24
Vinyl chloride	ND		5.00	1.65	µg/L	5	04/28/23 3:24
Surr: 1,2-Dichloroethane-d4	116		75-130	0.80	%REC	5	04/28/23 3:24
Surr: Toluene-d8	98		75-125	0.50	%REC	5	04/28/23 3:24
Surr: 4-Bromofluorobenzene	127	S	75-125	0.50	%REC	5	04/28/23 3:24

Qualifiers:

*	Value may exceed the Acceptable Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

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Analytical Results

StateCertNo: 10248

CLIENT:	GeoLogic NY, Inc.	**Lab ID:**	**2305609-010A**
Project:	210087 2023 Quarterly Sampling	**Client Sample ID:**	*MW-L16*
W Order:	2305609	**Collection Date:**	04/24/23 15:12
Matrix:	WATER	**Date Received:**	04/26/23 15:50
Inst. ID:	MSN 76 **Sample Size:** NA	**PrepDate:**	
ColumnID:	Rtx-VMS **%Moisture:**	**BatchNo:**	R36069
Revision:	05/02/23 8:36 **TestCode:** 8260W	**FileID:**	1-SAMP-N2428.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					SW8260C/5030C		
1,1,1-Trichloroethane	ND		1.00	0.20	µg/L	2	04/28/23 3:59
1,1-Dichloroethene	ND		1.00	0.32	µg/L	2	04/28/23 3:59
cis-1,2-Dichloroethene	ND		1.00	0.20	µg/L	2	04/28/23 3:59
Tetrachloroethene	ND		1.00	0.20	µg/L	2	04/28/23 3:59
trans-1,2-Dichloroethene	ND		1.00	0.20	µg/L	2	04/28/23 3:59
Trichloroethene	0.72	J	1.00	0.20	µg/L	2	04/28/23 3:59
Vinyl chloride	ND		2.00	0.66	µg/L	2	04/28/23 3:59
Surr: 1,2-Dichloroethane-d4	116		75-130	0.32	%REC	2	04/28/23 3:59
Surr: Toluene-d8	103		75-125	0.20	%REC	2	04/28/23 3:59
Surr: 4-Bromofluorobenzene	122		75-125	0.20	%REC	2	04/28/23 3:59

Qualifiers:

*	Value may exceed the Acceptable Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.

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Analytical Results

StateCertNo: 10248

CLIENT:	GeoLogic NY, Inc.	**Lab ID:**	**2305609-011A**
Project:	210087 2023 Quarterly Sampling	**Client Sample ID:**	*Trip Blank*
W Order:	2305609	**Collection Date:**	11/28/22 0:00
Matrix:	WATER Q	**Date Received:**	04/26/23 15:50
Inst. ID:	MSN 76 **Sample Size:** NA	**PrepDate:**	
ColumnID:	Rtx-VMS **%Moisture:**	**BatchNo:**	R36069
Revision:	05/02/23 8:39 **TestCode:** 8260W	**FileID:**	1-SAMP-N2429.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260C/5030C**		
1,1,1-Trichloroethane	ND		0.50	0.10	µg/L	1	04/28/23 4:33
1,1-Dichloroethene	ND		0.50	0.16	µg/L	1	04/28/23 4:33
cis-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	04/28/23 4:33
Tetrachloroethene	ND		0.50	0.10	µg/L	1	04/28/23 4:33
trans-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	04/28/23 4:33
Trichloroethene	ND		0.50	0.10	µg/L	1	04/28/23 4:33
Vinyl chloride	ND		1.00	0.33	µg/L	1	04/28/23 4:33
Surr: 1,2-Dichloroethane-d4	120		75-130	0.16	%REC	1	04/28/23 4:33
Surr: Toluene-d8	101		75-125	0.10	%REC	1	04/28/23 4:33
Surr: 4-Bromofluorobenzene	121		75-125	0.10	%REC	1	04/28/23 4:33

Qualifiers:

*	Value may exceed the Acceptable Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

GeoLogic NY, P.C.

CHAIN OF CUSTODY RECORD

2305609
OmegaProjectNo
Due Date:

Omega

CLIENT: GeoLogic

SAMPLERS NAME

PROJECT: 210087

C. T. Gabriel

SAMPLE LOCATION	DATE	TIME	SAMPLE TYPE			NO. of SAMPLES	ANALYSIS REQUIRED
			WATER	SOIL	AIR		
MW-1S	4-25-23	12:05	X			2	See Below
MW-1D	4-25-23	12:47	X			2	"
MW-6	4-24-23	12:50	X			2	"
MW-7	4-24-23	16:15	X			2	"
MW-8	4-24-23	13:40	X			2	"
MW-10S	4-25-23	11:16	X			2	"
MW-10D	4-25-23	11:12	X			2	"
MW-11	4-24-23	14:20	X			2	"
MW-12S	4-25-23	10:04	X			2	"
MW-L16	4-24-23	15:12	X			2	"
Trip Blank	11-28-22		X			2	

Relinquished by:	Date	Time	Received by:	Date	Time
Client of GeoLogic	4/25/23	14:10	GeoLogic Sample Refrig.	4/25/23	14:0
Relinquished by:	Date	Time	Received by:	Date	Time
GeoLogic Sample Refrig	4/26/23	11:10	Bill Donaldson	4-26-23	11:10
Relinquished by:	Date	Time	Received for Lab by:	Date	Time
Bill Donaldson				4/26/23	1500

Method of Shipment: LAB PICK UP X TEMP 4.6°C

COMMENTS:

Sample Analysis (1 µg/L reporting limit)

EPA 8260B for

1,1,1-Trichloroethane

1,1-Dichloroethene

1,2-Dichloroethene

Trichloroethene

Tetrachloroethene

Vinyl Chloride

F:\Projects\2010\210087\Tech\Monthly CoC

P.O. BOX 350 HOMER, NEW YORK 13077 (607) 749-5000 FAX (607) 749-5063

Life Science Laboratories, Inc.

Sample Receipt Checklist

Client Name: **GEOLOGIC** Date and Time Received: **4/26/2023 3:50:00 PM**

Work Order Number: **2305609** Received by: tjn

Checklist completed by: TS (Initials) 4/26/23 (Date) Reviewed by: DR (Initials) 5/5/23 (Date)

Delivery Method: Courier

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Applicable ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Comments:

Corrective Action:

Life Science Laboratories, Inc.
5854 Butternut Drive
East Syracuse, NY 13057 **(315) 445-1900**

Monday, January 30, 2023

Mr. Christopher Gabriel
GeoLogic NY, Inc.
37 Copeland Ave.
Homer, NY 13077

TEL: 607 749-5000

Project: 210087 2023 QUARTERLY SAMPLING
RE: Analytical Results Order No.: 2301270

Dear Mr. Christopher Gabriel:

Life Science Laboratories, Inc. received 11 sample(s) on 1/26/2023 for the analyses presented in the following report. Sample results relate only to the samples as received by the laboratory.

Very truly yours,
Life Science Laboratories, Inc.

David J Prichard
Project Manager

Life Science Laboratories, Inc.
5854 Butternut Drive
East Syracuse, NY 13057 (315) 445-1900

Analytical Results

StateCertNo: 10248

CLIENT: GeoLogic NY, Inc.
Project: 210087 2023 Quarterly Sampling
W Order: 2301270
Matrix: WATER
Inst. ID: MSN_76 **Sample Size:** NA
ColumnID: Rtx-VMS **%Moisture:**
Revision: 01/30/23 8:47 **TestCode:** 8260W
Col Type:

Lab ID: 2301270-001A
Client Sample ID: *MW-1S*
Collection Date: 01/26/23 10:25
Date Received: 01/26/23 16:27
PrepDate:
BatchNo: R35940
FileID: 1-SAMP-N1166.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260C/5030C**		
1,1,1-Trichloroethane	ND		0.50	0.10	µg/L	1	01/27/23 15:00
1,1-Dichloroethene	ND		0.50	0.16	µg/L	1	01/27/23 15:00
cis-1,2-Dichloroethene	0.12	J	0.50	0.10	µg/L	1	01/27/23 15:00
Tetrachloroethene	ND		0.50	0.10	µg/L	1	01/27/23 15:00
trans-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	01/27/23 15:00
Trichloroethene	1.11		0.50	0.10	µg/L	1	01/27/23 15:00
Vinyl chloride	ND		1.00	0.33	µg/L	1	01/27/23 15:00
Surr: 1,2-Dichloroethane-d4	113		75-130	0.16	%REC	1	01/27/23 15:00
Surr: Toluene-d8	104		75-125	0.10	%REC	1	01/27/23 15:00
Surr: 4-Bromofluorobenzene	100		75-125	0.10	%REC	1	01/27/23 15:00

Qualifiers:

*	Value may exceed the Acceptable Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Print Date: 01/30/23 8:49 1004899 **Project Supervisor:** David J Prichard

Life Science Laboratories, Inc.
5854 Butternut Drive
East Syracuse, NY 13057 (315) 445-1900

Analytical Results

StateCertNo: 10248

CLIENT: GeoLogic NY, Inc.
Project: 210087 2023 Quarterly Sampling
W Order: 2301270
Matrix: WATER
Inst. ID: MSN_76 **Sample Size:** NA
ColumnID: Rtx-VMS **%Moisture:**
Revision: 01/30/23 8:47 **TestCode:** 8260W
Col Type:

Lab ID: 2301270-002A
Client Sample ID: *MW-1D*
Collection Date: 01/26/23 10:40
Date Received: 01/26/23 16:27
PrepDate:
BatchNo: R35940
FileID: 1-SAMP-N1167.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260C/5030C**		
1,1,1-Trichloroethane	ND		0.50	0.10	µg/L	1	01/27/23 15:33
1,1-Dichloroethene	ND		0.50	0.16	µg/L	1	01/27/23 15:33
cis-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	01/27/23 15:33
Tetrachloroethene	ND		0.50	0.10	µg/L	1	01/27/23 15:33
trans-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	01/27/23 15:33
Trichloroethene	0.37	J	0.50	0.10	µg/L	1	01/27/23 15:33
Vinyl chloride	ND		1.00	0.33	µg/L	1	01/27/23 15:33
Surr: 1,2-Dichloroethane-d4	122		75-130	0.16	%REC	1	01/27/23 15:33
Surr: Toluene-d8	102		75-125	0.10	%REC	1	01/27/23 15:33
Surr: 4-Bromofluorobenzene	97		75-125	0.10	%REC	1	01/27/23 15:33

Qualifiers:

*	Value may exceed the Acceptable Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Print Date: 01/30/23 8:49 1004900 **Project Supervisor:** David J Prichard

Life Science Laboratories, Inc.

5854 Butternut Drive
East Syracuse, NY 13057 (315) 445-1900

Analytical Results

StateCertNo: 10248

CLIENT: GeoLogic NY, Inc.
Project: 210087 2023 Quarterly Sampling
W Order: 2301270
Matrix: WATER
Inst. ID: MSN_76 **Sample Size:** NA
ColumnID: Rtx-VMS **%Moisture:**
Revision: 01/30/23 8:47 **TestCode:** 8260W
Col Type:

Lab ID: 2301270-003A
Client Sample ID: *MW-6*
Collection Date: 01/26/23 9:13
Date Received: 01/26/23 16:27
PrepDate:
BatchNo: R35940
FileID: 1-SAMP-N1168.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260C/5030C**		
1,1,1-Trichloroethane	ND		1.00	0.20	µg/L	2	01/27/23 16:06
1,1-Dichloroethene	ND		1.00	0.32	µg/L	2	01/27/23 16:06
cis-1,2-Dichloroethene	ND		1.00	0.20	µg/L	2	01/27/23 16:06
Tetrachloroethene	ND		1.00	0.20	µg/L	2	01/27/23 16:06
trans-1,2-Dichloroethene	ND		1.00	0.20	µg/L	2	01/27/23 16:06
Trichloroethene	0.68	J	1.00	0.20	µg/L	2	01/27/23 16:06
Vinyl chloride	ND		2.00	0.66	µg/L	2	01/27/23 16:06
Surr: 1,2-Dichloroethane-d4	120		75-130	0.32	%REC	2	01/27/23 16:06
Surr: Toluene-d8	109		75-125	0.20	%REC	2	01/27/23 16:06
Surr: 4-Bromofluorobenzene	99		75-125	0.20	%REC	2	01/27/23 16:06

Qualifiers:

*	Value may exceed the Acceptable Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
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East Syracuse, NY 13057 (315) 445-1900

Analytical Results

StateCertNo: 10248

CLIENT: GeoLogic NY, Inc.
Project: 210087 2023 Quarterly Sampling
W Order: 2301270
Matrix: WATER
Inst. ID: MSN_76 **Sample Size:** NA
ColumnID: Rtx-VMS **%Moisture:**
Revision: 01/30/23 8:47 **TestCode:** 8260W
Col Type:

Lab ID: 2301270-004A
Client Sample ID: *MW-7*
Collection Date: 01/26/23 11:08
Date Received: 01/26/23 16:27
PrepDate:
BatchNo: R35940
FileID: 1-SAMP-N1169.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260C/5030C**		
1,1,1-Trichloroethane	ND		2.50	0.50	µg/L	5	01/27/23 16:39
1,1-Dichloroethene	ND		2.50	0.80	µg/L	5	01/27/23 16:39
cis-1,2-Dichloroethene	ND		2.50	0.50	µg/L	5	01/27/23 16:39
Tetrachloroethene	ND		2.50	0.50	µg/L	5	01/27/23 16:39
trans-1,2-Dichloroethene	ND		2.50	0.50	µg/L	5	01/27/23 16:39
Trichloroethene	1.80	J	2.50	0.50	µg/L	5	01/27/23 16:39
Vinyl chloride	ND		5.00	1.65	µg/L	5	01/27/23 16:39
Surr: 1,2-Dichloroethane-d4	128		75-130	0.80	%REC	5	01/27/23 16:39
Surr: Toluene-d8	106		75-125	0.50	%REC	5	01/27/23 16:39
Surr: 4-Bromofluorobenzene	99		75-125	0.50	%REC	5	01/27/23 16:39

Qualifiers:

*	Value may exceed the Acceptable Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

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East Syracuse, NY 13057 (315) 445-1900

Analytical Results

StateCertNo: 10248

CLIENT: GeoLogic NY, Inc.
Project: 210087 2023 Quarterly Sampling
W Order: 2301270
Matrix: WATER
Inst. ID: MSN_76
ColumnID: Rtx-VMS
Revision: 01/30/23 8:47
Col Type:
Sample Size: NA
%Moisture:
TestCode: 8260W

Lab ID: 2301270-005A
Client Sample ID: *MW-8*
Collection Date: 01/26/23 9:47
Date Received: 01/26/23 16:27
PrepDate:
BatchNo: R35940
FileID: 1-SAMP-N1170.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260C/5030C**		
1,1,1-Trichloroethane	ND		1.00	0.20	µg/L	2	01/27/23 17:12
1,1-Dichloroethene	ND		1.00	0.32	µg/L	2	01/27/23 17:12
cis-1,2-Dichloroethene	ND		1.00	0.20	µg/L	2	01/27/23 17:12
Tetrachloroethene	ND		1.00	0.20	µg/L	2	01/27/23 17:12
trans-1,2-Dichloroethene	ND		1.00	0.20	µg/L	2	01/27/23 17:12
Trichloroethene	0.64	J	1.00	0.20	µg/L	2	01/27/23 17:12
Vinyl chloride	ND		2.00	0.66	µg/L	2	01/27/23 17:12
Surr: 1,2-Dichloroethane-d4	124		75-130	0.32	%REC	2	01/27/23 17:12
Surr: Toluene-d8	103		75-125	0.20	%REC	2	01/27/23 17:12
Surr: 4-Bromofluorobenzene	98		75-125	0.20	%REC	2	01/27/23 17:12

Qualifiers:

*	Value may exceed the Acceptable Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

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East Syracuse, NY 13057 (315) 445-1900

Analytical Results

StateCertNo: 10248

CLIENT: GeoLogic NY, Inc.
Project: 210087 2023 Quarterly Sampling
W Order: 2301270
Matrix: WATER
Inst. ID: MSN_76 **Sample Size:** NA
ColumnID: Rtx-VMS **%Moisture:**
Revision: 01/30/23 8:47 **TestCode:** 8260W
Col Type:

Lab ID: 2301270-006A
Client Sample ID: *MW-10S*
Collection Date: 01/26/23 9:30
Date Received: 01/26/23 16:27
PrepDate:
BatchNo: R35940
FileID: 1-SAMP-N1171.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260C/5030C**		
1,1,1-Trichloroethane	ND		1.00	0.20	µg/L	2	01/27/23 17:45
1,1-Dichloroethene	ND		1.00	0.32	µg/L	2	01/27/23 17:45
cis-1,2-Dichloroethene	ND		1.00	0.20	µg/L	2	01/27/23 17:45
Tetrachloroethene	ND		1.00	0.20	µg/L	2	01/27/23 17:45
trans-1,2-Dichloroethene	ND		1.00	0.20	µg/L	2	01/27/23 17:45
Trichloroethene	0.68	J	1.00	0.20	µg/L	2	01/27/23 17:45
Vinyl chloride	ND		2.00	0.66	µg/L	2	01/27/23 17:45
Surr: 1,2-Dichloroethane-d4	124		75-130	0.32	%REC	2	01/27/23 17:45
Surr: Toluene-d8	108		75-125	0.20	%REC	2	01/27/23 17:45
Surr: 4-Bromofluorobenzene	97		75-125	0.20	%REC	2	01/27/23 17:45

Qualifiers:

*	Value may exceed the Acceptable Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5854 Butternut Drive
East Syracuse, NY 13057 (315) 445-1900

Analytical Results

StateCertNo: 10248

CLIENT:	GeoLogic NY, Inc.	**Lab ID:**	**2301270-007A**
Project:	210087 2023 Quarterly Sampling	**Client Sample ID:**	***MW-10D***
W Order:	2301270	**Collection Date:**	01/26/23 9:38
Matrix:	WATER	**Date Received:**	01/26/23 16:27
Inst. ID:	MSN_76 **Sample Size:** NA	**PrepDate:**	
ColumnID:	Rtx-VMS **%Moisture:**	**BatchNo:**	R35940
Revision:	01/30/23 8:47 **TestCode:** 8260W	**FileID:**	1-SAMP-N1172.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260C/5030C**		
1,1,1-Trichloroethane	ND		0.50	0.10	µg/L	1	01/27/23 18:19
1,1-Dichloroethene	ND		0.50	0.16	µg/L	1	01/27/23 18:19
cis-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	01/27/23 18:19
Tetrachloroethene	ND		0.50	0.10	µg/L	1	01/27/23 18:19
trans-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	01/27/23 18:19
Trichloroethene	0.62		0.50	0.10	µg/L	1	01/27/23 18:19
Vinyl chloride	ND		1.00	0.33	µg/L	1	01/27/23 18:19
Surr: 1,2-Dichloroethane-d4	122		75-130	0.16	%REC	1	01/27/23 18:19
Surr: Toluene-d8	109		75-125	0.10	%REC	1	01/27/23 18:19
Surr: 4-Bromofluorobenzene	102		75-125	0.10	%REC	1	01/27/23 18:19

Qualifiers:

*	Value may exceed the Acceptable Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.

5854 Butternut Drive
East Syracuse, NY 13057 (315) 445-1900

Analytical Results

StateCertNo: 10248

CLIENT: GeoLogic NY, Inc.
Project: 210087 2023 Quarterly Sampling
W Order: 2301270
Matrix: WATER
Inst. ID: MSN_76 **Sample Size:** NA
ColumnID: Rtx-VMS **%Moisture:**
Revision: 01/30/23 8:47 **TestCode:** 8260W
Col Type:

Lab ID: 2301270-008A
Client Sample ID: *MW-11*
Collection Date: 01/26/23 10:24
Date Received: 01/26/23 16:27
PrepDate:
BatchNo: R35940
FileID: 1-SAMP-N1173.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260C/5030C**		
1,1,1-Trichloroethane	ND		5.00	1.00	µg/L	10	01/27/23 18:52
1,1-Dichloroethene	ND		5.00	1.60	µg/L	10	01/27/23 18:52
cis-1,2-Dichloroethene	ND		5.00	1.00	µg/L	10	01/27/23 18:52
Tetrachloroethene	ND		5.00	1.00	µg/L	10	01/27/23 18:52
trans-1,2-Dichloroethene	ND		5.00	1.00	µg/L	10	01/27/23 18:52
Trichloroethene	2.00	J	5.00	1.00	µg/L	10	01/27/23 18:52
Vinyl chloride	ND		10.0	3.30	µg/L	10	01/27/23 18:52
Surr: 1,2-Dichloroethane-d4	127		75-130	1.60	%REC	10	01/27/23 18:52
Surr: Toluene-d8	108		75-125	1.00	%REC	10	01/27/23 18:52
Surr: 4-Bromofluorobenzene	99		75-125	1.00	%REC	10	01/27/23 18:52

Qualifiers:

*	Value may exceed the Acceptable Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5854 Butternut Drive
East Syracuse, NY 13057 (315) 445-1900

Analytical Results

StateCertNo: 10248

CLIENT: GeoLogic NY, Inc.
Project: 210087 2023 Quarterly Sampling
W Order: 2301270
Matrix: WATER
Inst. ID: MSN_76 **Sample Size:** NA
ColumnID: Rtx-VMS **%Moisture:**
Revision: 01/30/23 8:47 **TestCode:** 8260W
Col Type:

Lab ID: 2301270-009A
Client Sample ID: *MW-12S*
Collection Date: 01/26/23 11:41
Date Received: 01/26/23 16:27
PrepDate:
BatchNo: R35940
FileID: 1-SAMP-N1174.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260C/5030C**		
1,1,1-Trichloroethane	ND		2.50	0.50	µg/L	5	01/27/23 19:26
1,1-Dichloroethene	ND		2.50	0.80	µg/L	5	01/27/23 19:26
cis-1,2-Dichloroethene	ND		2.50	0.50	µg/L	5	01/27/23 19:26
Tetrachloroethene	ND		2.50	0.50	µg/L	5	01/27/23 19:26
trans-1,2-Dichloroethene	ND		2.50	0.50	µg/L	5	01/27/23 19:26
Trichloroethene	1.05	J	2.50	0.50	µg/L	5	01/27/23 19:26
Vinyl chloride	ND		5.00	1.65	µg/L	5	01/27/23 19:26
Surr: 1,2-Dichloroethane-d4	129		75-130	0.80	%REC	5	01/27/23 19:26
Surr: Toluene-d8	106		75-125	0.50	%REC	5	01/27/23 19:26
Surr: 4-Bromofluorobenzene	97		75-125	0.50	%REC	5	01/27/23 19:26

Qualifiers:

*	Value may exceed the Acceptable Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

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5854 Butternut Drive
East Syracuse, NY 13057 (315) 445-1900

Analytical Results

StateCertNo: 10248

CLIENT: GeoLogic NY, Inc.
Project: 210087 2023 Quarterly Sampling
W Order: 2301270
Matrix: WATER
Inst. ID: MSN_76 **Sample Size:** NA
ColumnID: Rtx-VMS **%Moisture:**
Revision: 01/30/23 8:47 **TestCode:** 8260W
Col Type:

Lab ID: 2301270-010A
Client Sample ID: *MW-L16*
Collection Date: 01/26/23 11:25
Date Received: 01/26/23 16:27
PrepDate:
BatchNo: R35940
FileID: 1-SAMP-N1175.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260C/5030C**		
1,1,1-Trichloroethane	ND		1.00	0.20	µg/L	2	01/27/23 19:59
1,1-Dichloroethene	ND		1.00	0.32	µg/L	2	01/27/23 19:59
cis-1,2-Dichloroethene	ND		1.00	0.20	µg/L	2	01/27/23 19:59
Tetrachloroethene	ND		1.00	0.20	µg/L	2	01/27/23 19:59
trans-1,2-Dichloroethene	ND		1.00	0.20	µg/L	2	01/27/23 19:59
Trichloroethene	1.32		1.00	0.20	µg/L	2	01/27/23 19:59
Vinyl chloride	ND		2.00	0.66	µg/L	2	01/27/23 19:59
Surr: 1,2-Dichloroethane-d4	125		75-130	0.32	%REC	2	01/27/23 19:59
Surr: Toluene-d8	112		75-125	0.20	%REC	2	01/27/23 19:59
Surr: 4-Bromofluorobenzene	98		75-125	0.20	%REC	2	01/27/23 19:59

Qualifiers:

*	Value may exceed the Acceptable Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.

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East Syracuse, NY 13057 (315) 445-1900

Analytical Results

StateCertNo: 10248

CLIENT: GeoLogic NY, Inc.
Project: 210087 2023 Quarterly Sampling
W Order: 2301270
Matrix: WATER Q
Inst. ID: MSN_76 **Sample Size:** NA
ColumnID: Rtx-VMS **%Moisture:**
Revision: 01/30/23 8:47 **TestCode:** 8260W
Col Type:

Lab ID: 2301270-011A
Client Sample ID: *Trip Blank*
Collection Date: 11/28/22 0:00
Date Received: 01/26/23 16:27
PrepDate:
BatchNo: R35940
FileID: 1-SAMP-N1185.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260C/5030C**		
1,1,1-Trichloroethane	ND		0.50	0.10	µg/L	1	01/28/23 1:31
1,1-Dichloroethene	ND		0.50	0.16	µg/L	1	01/28/23 1:31
cis-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	01/28/23 1:31
Tetrachloroethene	ND		0.50	0.10	µg/L	1	01/28/23 1:31
trans-1,2-Dichloroethene	ND		0.50	0.10	µg/L	1	01/28/23 1:31
Trichloroethene	ND		0.50	0.10	µg/L	1	01/28/23 1:31
Vinyl chloride	ND		1.00	0.33	µg/L	1	01/28/23 1:31
Surr: 1,2-Dichloroethane-d4	133	S	75-130	0.16	%REC	1	01/28/23 1:31
Surr: Toluene-d8	99		75-125	0.10	%REC	1	01/28/23 1:31
Surr: 4-Bromofluorobenzene	98		75-125	0.10	%REC	1	01/28/23 1:31

Qualifiers:

*	Value may exceed the Acceptable Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

GeoLogic NY, Inc.

CHAIN OF CUSTODY RECORD

2301270

CLIENT: GeoLogic

SAMPLERS NAME(S):

PROJECT: 210087

CTG, JAM

SAMPLE LOCATION	DATE	TIME	SAMPLE TYPE			NO. of SAMPLES	ANALYSIS REQUIRED
			WATER	SOIL	AIR		
001 MW-1S	1-26-23	10:25	X			2	See Below
002 MW-1D	1-26-23	10:40	X			2	"
003 MW-6	1-26-23	9:13	X			2	"
004 MW-7	1-26-23	11:08	X			2	"
005 MW-8	1-26-23	9:47	X			2	"
006 MW-10S	1-26-23	9:30	X			2	"
007 MW-10D	1-26-23	9:38	X			2	"
008 MW-11	1-26-23	10:24	X			2	"
009 MW-12S	1-26-23	11:41	X			2	"
010 MW-L16	1-26-23	11:25	X			2	"
011 Trip Blank	11-28-22		X			2	

Relinquished by:	Date	Time	Received by:	Date	Time
	1-26-23	16:25			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received for Lab by:	Date	Time
				1/27/23	16:27

Method of Shipment: HAND DELIVERED ✓ TEMP _____

COMMENTS:

Sample Analysis (1 ug/L reporting limit)

EPA 8260B for

1,1,1-Trichloroethane

1,1-Dichloroethene

1,2-Dichloroethene

Trichloroethene

Tetrachloroethene

Vinyl Chloride

~~Samples Preserved~~ Upon Receipt at Lab RM

Samples Received On Ice Packs

S. C. C

F:\Projects\2010\210087\Tech\Monthly CoC

P.O. BOX 350 HOMER, NEW YORK 13077 (607) 749-5000 FAX (607) 749-5063

Life Science Laboratories, Inc.

Sample Receipt Checklist

Client Name: **GEOLOGIC**

Date and Time Received: **1/26/2023 4:27:00 PM**

Work Order Number: **2301270**

Received by: gis

Checklist completed by: TS (Initials) 1-26-23 (Date)

Reviewed by: DT (Initials) 1/30/23 (Date)

Delivery Method: Courier

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Applicable ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Comments:

Corrective Action:

APPENDIX F

SSD/SVE ANALYTICAL RESULTS

SanAir Technologies DBA Centek Laboratories
143 Midler Park Drive
Syracuse, NY 13206
TEL: (315) 431-9730
Website: CentekLabs.us

November 13, 2023

Chris Gabriel
GeoLogic NY, PC
37 Copeland Ave.
Homer, NY 13077
TEL: 607-749-5000
FAX: 607-749-5063

RE: Project #210087

Order No.: 2311010

Dear Chris Gabriel:

I certify that this data package is in compliance with the terms and conditions of the Contract, both technically and for completeness. Release of the data contained in this hardcopy data package and/or in the computer readable data submitted has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Centek/SanAir Laboratories performs all analyses according to EPA, NIOSH or OSHA-approved analytical methods.

Centek Laboratories is dedicated to providing quality analyses and exceptional customer service.

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objective except as indicated in the case narrative.

All samples were received and analyzed within the EPA recommended holding times. Test results are not Method Blank (MB) corrected for contamination
.
We do our best to make our reporting format clear and understandable and hope you are thoroughly satisfied with our services. Please contact your client service representative at (315) 431-9730 or myself, if you would like any additional information regarding this report.

Thank you for using Centek/SanAir Laboratories. This report cannot be reproduced except in its entirety, without prior written authorization.

Disclaimer: This report is the sole property of the client named on the Centek/SanAir chain-of custody (COC). Results in the report are confidential information intended only for the use by the customer listed on the COC. Neither results nor reports will be discussed with or released to any third party without our client's written permission. Final reports cannot be reproduced, except in full, without written authorization from Centek/SanAir. This report and any

Original

information contained within shall not be edited, altered, or modified in any way by any persons or agencies receiving, viewing, distributing, or otherwise possessing a copy of this final report. The laboratory reserves the right to perform amendments to any finalized report, of which shall supersede and make obsolete any previous editions. Such changes, modifications, additions, or deletions shall be effective immediately upon notice thereof, which may be given by means including but not limited to posting on the client portal website, electronic or conventional mail, or by any other means. The information provided in this report applies only to the samples submitted and is relevant only for the date, time, and location of sampling. The accuracy of the results of the analysis is dependent upon the method of sample procurement and information provided by the client on the COC. Centek/SanAir assumes no responsibility for the method of sample procurement. Centek/SanAir assumes no responsibility for the information provided by the client on the COC which includes the site name, project name, po number, canister order number, sample identifications or numbers, date sampled, canister numbers, regulator number, vacuum start/stop times in the field or in the lab, analyses requested, PM10# and PM2.5#, sampled by, relinquished by and date/time, and special instructions that may affect the validity of the results in this report. Centek/SanAir is not responsible for shipping or transport of the samples to be tested. Evaluation reports are based solely on the sample(s) in the condition at which they were received at the laboratory and the information provided by the client on the COC. Centek/SanAir assumes no responsibility or liability for the manner in which the results are used or interpreted. In receiving this report, the customer agrees that the full extend of any and all liability for actual and consequential damages of Centek/SanAir for the services performed sahll be equal to the fee charged to the customer for the services as liquidated damages. NELAP Accredited, NYSDOH ELAP, Lab Id No: 11830. NYSDOH ELAP does not offer accreditation for the following parameters by this method at present time: 4-ethyltoluene, ethyl acetate, propylene, Tetrahydrofuran, 4-PCH, sulfur derived, silcon series compounds, and EPA modified Method IP-10A. EPA Method IP-1A May 1990 has been replaced with Compendium of Methods for the Determination of Toxic Organic Compounds, Compendium Method TO-15, January 1999. The laboratory is also not accredited under NYSDOH ELAP for EPA Method TO-17. However, LEED requirements state that laboratories must be accredited under ISO 17025, which the laboratory does hold accreditation with AIHA LAP, LLC for ISO/IEC 17025:2017 under Unique Scopes (Laboratory ID LAP-182993). See www.centeklabs.us for an up to date list of laboratory accreditations and scopes. This report does not constitute nor shall be used by the client to claim product, process, system, or person certification, approval, or endorsement by NIST, NELAC, AIHA LAP, LLC, and/or any other US governmenal agencies; and may not be accredited by every local, state and federal regulatory agency.

William Dobbin
Lead Technical Director

SanAir Technologies DBA Centek Laboratories
143 Midler Park Drive
Syracuse, NY 13206
TEL: (315) 431-9730
Website: CentekLabs.us

Case Narrative

WO#: **2311010**
Date: **11/13/2023**

CLIENT: GeoLogic NY, PC
Project: Project #210087

All documents contain the SanAir Technologies DBA Centek Laboratories Work Order Number assigned to this report.

Samples were analyzed using the methods outlined in the following references:
Centek Laboratories, LLC SOP TS-80
Compendium of Methods for the Determination of Toxic Organic Compounds, Compendium Method TO-15, January 1999

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objective except as indicated in the corrective action report(s). All samples were received and analyzed within the EPA recommended holding times. Test results are not Method Blank (MB) corrected for contamination.

NYSDEC ASP samples:
Canisters should be evacuated to a reading of less than or equal to 50 millitorr prior to shipment to sampling personnel. The vacuum in the canister will be field checked prior to sampling, and must read 28" of Hg (±2", vacuum, absolute) before a sample can be collected. After the sample has been collected, the pressure of the canister will be read and recorded again, and must be 5" of Hg (±1", vacuum, absolute) for the sample to be valid. Once received at the laboratory, the canister vacuum should be confirmed to be 5" of Hg,±1". Please record and report the pressure/vacuum of received canisters on the sample receipt paperwork. A pressure/vacuum reading should also be taken just prior to the withdrawal of sample from the canister, and recorded on the sample preparation log sheet. All regulators are calibrated to meet these requirements before they leave the laboratory. However, due to environmental conditions and use of the equipment Centek cannot guarantee that these criteria can always be achieved.

Any comments or problems with the analytical events associated with this report are noted below.

Centek/SanAir Technologies Laboratory - Chain of Custody

Centek Laboratories
SanAir Technologies Laboratory

143 Midler Park Drive
Syracuse, NY 13206
315-431-9730
www.CentekLabs.us

Vapor Intrusion & IAQ

Site Name:
Project: Project No. 210087
PO#: 210087
Quote # Q- ~~10~~ JP
Canister Order #: 147

Detection Limit		Report Level	
☐	5ppbv	☑	Level I
☑	1ug/M3	☐	Level II
☐	1ug/M3 + 0.2 NYS	☐	Cat "B" Like
☐		☐	

TAT Turnaround Time:	Check One	Rush TAT Surcharge %	Due Date:
5 Business Days	☒	0%	
4 Business Days	☐	25%	
3 Business Days	☐	50%	
2 Business Days	☐	75%	
*Next Day by 5pm	☐	100%	
*Next Day by Noon	☐	150%	
*Same Day	☐	200%	

*For Same and Next Day TAT Please Notify Lab

Company: Geologic NY, P.C
Report to:
Address: P.O. Box 350
City, State, Zip Homer, NY 13077
Email: GeologicNY@Geologic.NET
Phone: 607-749-5000

Company:
Check Here If Same: ☒
Invoice to:
Address:
City, State, Zip
Email:
Phone:

Sample ID	Date Sampled	Canister Number	Regulator Number	Analysis Request	Field Vacuum Start / Stop	Labs Vacuum** RecV/Analysis	Comments
SSD/SUE	11-02-2023	336	56	TO-15 for the following Parameters Only!	-28 / -5	/	
				1,1,1-Trichloroethane	/	/	
				1,1-Dichloroethene	/	/	
				cis-1,2-Dichloroethene	/	/	
				trans-1,2-Dichloroethene	/	/	
				Trichloroethene	/	/	
				Tetrachloroethene	/	/	
				Vinyl Chloride	/	/	

Chain of Custody	Print Name	Signature	Date/Time	Courier: CIRCLE ONE
Sampled by:	C.T. Gabriel of Geologic	[signature]	11/2/23 10:25	FedEx UPS **(Pickup/Dropoff)**
Relinquished by:	Joseph C. Menzel CNY	J. Menzel	11/3/23 16:10	**For LAB USE ONLY
Received at Lab by:	~~[name]~~ Derek Areson	Derek Areson	11/3/23 18:10	Work Order # 2311010

***Chain of Custody must be completed in full. Lack of any missing information will affect your Turn Around Times (TAT)*

*** By signing Centek/SanAir Labs Chain of Custody, you are accepting the Terms and Conditions listed on the reverse side.

SanAir Technologies DBA Centek Laboratories
143 Midler Park Drive
Syracuse, NY 13206
TEL: (315) 431-9730
Website: CentekLabs.us

Sample Receipt Checklist

Client Name: GeoLogic — Work Order Number 2311010
RcptNo: 1 — Date and Time Received: 11/6/2023 9:02:44 AM — Received by: Robin Gushlaw

Completed by: Robin Gushlaw — Reviewed by: Wil Dall

Completed Date: 11/7/2023 8:34:13 AM — Reviewed Date: 11/13/2023

Carrier name: UPS Ground

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐	Not Present	☐
Are matrices correctly identified on Chain of custody?	Yes	☑	No	☐		
Is it clear what analyses were requested?	Yes	☑	No	☐		
Custody seals intact on sample bottles?	Yes	☐	No	☐	Not Present	☑
Samples in proper container/bottle?	Yes	☑	No	☐		
Were correct preservatives used and noted?	Yes	☐	No	☐	NA	☑
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		
Were container lables complete (ID, Pres, Date)?	Yes	☑	No	☐		
All samples received within holding time?	Yes	☑	No	☐		
Was an attempt made to cool the samples?	Yes	☐	No	☐	NA	☑
All samples received at a temp. of > 0° C to 6.0° C?	Yes	☐	No	☐	NA	☑
Response when temperature is outside of range:						
Preservative added to bottles:						
Sample Temp. taken and recorded upon receipt?	Yes	☐	No	☑	To	°C
Water - Were bubbles absent in VOC vials?	Yes	☐	No	☐	No Vials	☑
Water - Was there Chlorine Present?	Yes	☐	No	☐	NA	☑
Water - pH acceptable upon receipt?	Yes	☐	No	☐	NA	☑
Are Samples considered acceptable?	Yes	☑	No	☐		
Custody Seals present?	Yes	☐	No	☑		
Traffic Report or Packing Lists present?	Yes	☐	No	☑		
Airbill or Sticker?	Air Bill	☐	Sticker	☑	Not Present	☐
Airbill No:						
Sample Tags Present?	Yes	☐	No	☑		
Sample Tags Listed on COC?	Yes	☐	No	☑		
Tag Numbers:						
Sample Condition?	Intact	☑	Broken	☐	Leaking	☐

Case Number: SDG: SAS:

Cooler Information

Assets Information

ID	Description	Type
1L Mini-Can - 1299 VI - 033		Canisters
Time-Set Reg - 537 VI - 005		Flow Controller

Adjusted? _____ Checked by _____

SanAir Technologies DBA Centek Laboratories
143 Midler Park Drive
Syracuse, NY 13206
TEL: (315) 431-9730
Website: CentekLabs.us

Sample Receipt Checklist

Client Name: GeoLogic Work Order Number 2311010
Any No and/or NA (not applicable) response must be detailed in the comments section below.

Client Contacted? ☐ Yes ☐ No ☑ NA Person Contacted:
Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:
Client Instructions:
Date Contacted: Contacted By:
Regarding:
CorrectiveAction:

Comments:
Received late afternoon on 11/3/23.

Sample Details

SampID	ClientSampID	ContainerID	Type	Org pH	Temp.	RcptNo	Cooler No	Comments
2311010-001A	SSD/SVE	1L Mini-Can - 1299 VI - 0336	Canister					

SanAir Technologies DBA Centek Laboratories
143 Midler Park Drive
Syracuse, NY 13206
TEL: (315) 431-9730

Workorder Sample Summary

WO#: **2311010**

13-Nov-23

CLIENT: GeoLogic NY, PC
Project: Project #210087

Lab SampleID	Client Sample ID	TDTube	CanisterID	FlowCon ID	Equip ID	Date Collected	Date Received	Matrix
2311010-001	SSD/SVE		1L Mini-Can - 1299 VI - 0336	Time-Set Reg - 537 VI - 0056		11/2/2023	11/3/2023	Air

Original

SanAir Technologies DBA Centek Laboratories
143 Midler Park Drive
Syracuse, NY 13206
TEL: (315) 431-9730
Website: CentekLabs.us

DATES REPORT

WO#: **2311010**

13-Nov-23

Client: GeoLogic NY, PC

Project: Project #210087

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Leachate Date	Prep Date	Analysis Date
2311010-001A	SSD/SVE	11/2/2023	Air	1ug/M3 by Method TO15			11/10/2023 2:36:00 PM
				1ug/M3 by Method TO15			11/10/2023 1:10:00 PM
				1ug/M3 by Method TO15			11/8/2023 7:28:00 PM

Original

SanAir Technologies DBA Centek Laboratories
143 Midler Park Drive
Syracuse, NY 13206
TEL: (315) 431-9730
Website: www.CentekLabs.us

Analytical Report

(consolidated)

WO#: **2311010**

Date Reported: **11/13/2023**

CLIENT: GeoLogic NY, PC
Lab Order: 2311010
Project: Project #210087
Lab ID: 2311010-001

Client Sample ID: SSD/SVE
TagNo:
Collection Date: 11/2/2023
Matrix: AIR

Analyses	Result	RL	Units	Result (ug/M3)	RL (ug/M3)	Qual	DF	Date Analyzed
FIELD PARAMETERS				**FLD**				Analyst:
FieldSampler	Chris							
Lab Vacuum In	-5		"Hg					
Lab Vacuum Out	-30		"Hg					

Analyses	Result	RL	Units	Result (ug/M3)	RL (ug/M3)	Qual	DF	Date Analyzed
1UG/M3 BY METHOD TO15				**TO-15**				Analyst: **DA**
1,1,1-Trichloroethane	1.6	0.15	ppbV	8.8	0.82		1	11/8/2023 7:28:00 PM
1,1-Dichloroethene	< 0.15	0.15	ppbV	<0.59	0.59		1	11/8/2023 7:28:00 PM
cis-1,2-Dichloroethene	5.2	1.5	ppbV	21	5.9		10	11/10/2023 1:10:00 PM
Tetrachloroethylene	3.0	1.5	ppbV	20	10		10	11/10/2023 1:10:00 PM
trans-1,2-Dichloroethene	< 0.15	0.15	ppbV	<0.59	0.59		1	11/8/2023 7:28:00 PM
Trichloroethene	380	81	ppbV	2000	440		540	11/10/2023 2:36:00 PM
Vinyl chloride	< 0.15	0.15	ppbV	<0.38	0.38		1	11/8/2023 7:28:00 PM
Surr: Bromofluorobenzene	99.0	70-130	%Rec				1	11/8/2023 7:28:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
C	Value is below Minimum Compound Limit.
H	Holding times for preparation or analysis exceeded
M	Manual Integration used to determine area response
ND	Not Detected at the Reporting Limit
P	Second column confirmation exceeds
PRE	Percent RE exceeds the Limit
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
N	Tentatively identified compounds
O	RSD is greater than RSDlimit
PL	Permit Limit
R	RPD outside accepted recovery limits

SanAir Technologies DBA Centek Laboratories
143 Midler Park Drive
Syracuse, NY 13206
TEL: (315) 431-9730
Website: www.CentekLabs.us

Definition / TAC

WO#: **2311010**
Date: **11/13/2023**

Definitions:

% REC: Percent Recovery; a measure of accuracy expressed as a percentage of a measured (recovered) concentration compared to the known concentration added to the sample.

% RPD: Relative Percent Difference; a measure of precision expressed as a percentage of the difference between two duplicates relative to the average concentration.

DF: Dilution factor; the dilution factor applied to the prepared sample.

DL: Detection Limit of the instrument used for the analysis. This does not reflect the maximum concentration of the regulatory limits.

DUP: Duplicate; aliquots of a sample taken from the same container under laboratory conditions and processed and analyzed independently, used to calculate Precision (%RPD).

LCS: Laboratory Control Sample; prepared by adding a known mass of target analytes to a specified amount of de-ionized water and prepared with the batch of samples, used to calculate Accuracy (%REC).

LCSD: The duplicate sample of the LCS, used to calculate both Accuracy (%REC) and Precision (%RPD)

MBLK: Method Blank; a sample of similar matrix that is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedure, and in which no target analytes
or interferences are present at concentrations that impact the analytical results for sample analyses.

MS: Matrix Spike; prepared by adding a known mass of target analytes to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available, used to calculate Accuracy (%REC)

MSD: The duplicate sample of the MS, used to calculate both Accuracy (%REC) and Precision (%RPD)

Qual: Qualifier that applies to the analyte reported

Result: Analyte concentration reported

RL: Reporting Limit/Limit of Quantitation; the limit to which data is compared for reporting. Analyte concentrations below the reporting limit are reported as ND or with a "J" qualifier.

Units: The units in which the analyte concentration is reported.

Centek/SanAir Laboratories - Terms and Conditions

Chain of Custody

Chain of Custody must be completed in full. Lack of any missing information will affect your Turn Around Times (TAT) Internal Chain of Custody provided when you notify Centek/SanAir Laboratories

Sample Submission

All samples sent to Centek/SanAir Laboratories should be accompanied by our Request for Analysis Form or Chain of Custody Form. A Chain of Custody will be provided with each order shipped for all sampling events, or if needed, one is available at our website www.Centek/SanAirLabs.us. Samples received after 3:00pm are a part of the next day's business.

Sample Media

Samples can be collected in a canister or a Tedlar bag. Depending on your analytical needs, Centek/SanAir Laboratories may receive a bulk, liquid, soil or other matrix sample for headspace analysis.

Blanks

Every sample is run with a surrogate or tracer compound at a pre-established concentration. The surrogate compound run with each sample is used as a standard to measure the performance of each run of the instrument. If required, a Minican can be provided containing nitrogen to be run as a trip blank with your samples.

Sampling Equipment

Centek/SanAir Laboratories will be happy to provide the canisters to carry-out your sampling event at no charge. The necessary accessories, such as regulators, tubing or personal sampling belts, are also provided to meet your sampling needs. The customer is responsible for all shipping charges to the client's destination and return shipping to the laboratory. Client assumes all responsibility for lost, stolen and any damages of equipment.

Any sampling equipment that exceeds holding times, cancellation of job or non-notice of rescheduling is subject to restocking fees

Turn Around time (TAT)

Centek/SanAir Laboratories will provide results to its clients in one business-week by 6:00pm EST after receipt of samples. For example, if samples are received on a Monday, they are due on the following Monday by 6:00pm EST. Results are faxed or emailed to the requested location indicated on the Chain of Custody. Non-routine analysis may require more than the one business-week turnaround time. Please confirm non-routine sample turnaround times

Reporting

Results are emailed or faxed at no additional charge. A hard copy of the result report is mailed within 24 hours of the faxing or emailing of your results. Cat "B" like packages is within 3-4 weeks from time of analysis (add 10%/sample for Cat B). Standard Electronic Disk Deliverables (EDD) is also available at no additional charge.

Payment Terms

Payment for all purchases shall be due within 30 days from date of invoice. The client agrees to pay a finance charge of 1.5% per month on the overdue balance and cost of collection, including attorney fees, if collection proceedings are necessary. You must have a completed credit application on file to extend credit. Purchase orders or checks information must be submitted for us to release results.

Rush Turnaround Samples

Expedited turnaround times is available. Please confirm rush turnaround times with Client Services before submitting samples.

Applicable Surcharges for Rush Turnaround Samples:
Same day TAT = 200%
Next business day TAT by Noon = 150%
Next business day TAT by 6:00pm = 100%
Second business day TAT by 6:00pm = 75%
Third business day TAT by 6:00pm = 50%
Fourth business day TAT by 6:00pm = 35%
Fifth business day = Standard

Statement of Confidentiality

Centek/SanAir Laboratories is aware of the importance of the confidentiality of results to many of our clients. Your name and data will be held in the strictest of confidence. We will not accept business that may constitute a conflict of interest. We commonly sign Confidential Nondisclosure Agreements with clients prior to beginning work. All research, results and reports will be kept strictly confidential. Secrecy Agreements and Disclosure Statements will be signed for the client if so specified. Results will be provided only to the addressee specified on the Chain of Custody Form submitted with the samples unless law requires release. Written permission is required from the addressee to release results to any other party.

SanAir Technologies DBA Centek Laboratories
143 Midler Park Drive
Syracuse, NY 13206
TEL: (315) 431-9730
Website: www.CentekLabs.us

Definition / TAC

WO#: **2311010**
Date: **11/13/2023**

Limitation on Liability

Centek/SanAir Laboratories warrants the test results to be accurate to the methodology and sample type for each sample submitted to Centek/SanAir Laboratories. In no event shall Centek/SanAir Laboratories be liable for direct, indirect, special, punitive, incidental, exemplary or consequential damages, or any damages whatsoever, even if Centek/SanAir Laboratories has been previously advised of the possibility of such damages whether in an action under contract, negligence, or any other theory, arising out of or in connection with the use, inability to use or performance of the information, services, products and materials available from the laboratory or this site. These limitations shall apply notwithstanding any failure of essential purpose of any limited remedy. Because some jurisdictions do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of liability for consequential or incidental damages, the above limitations may not apply to you. This is a comprehensive limitation of liability that applies to all damages of any kind, including (without limitation) compensatory, direct, indirect, or consequential damages, loss of data, income or profit and or loss of or damage to property and claims of third parties.