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FORMERLY RJR ENGINEERING

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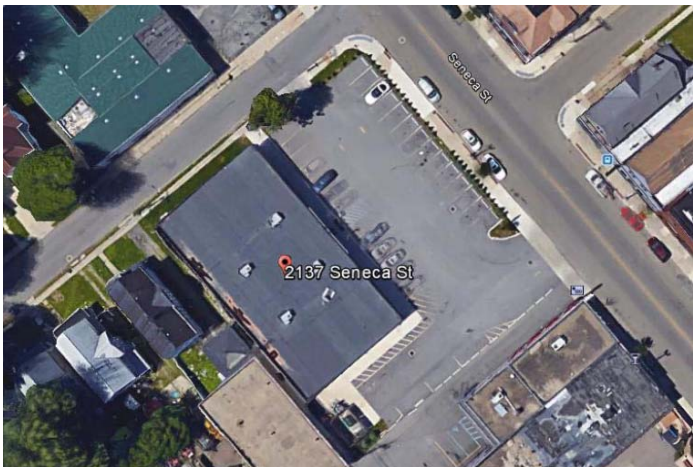
PERIODIC REVIEW REPORT
Former Pizza Hut
2137 Seneca Street
Buffalo, New York 14210

NYSDEC Site No. V00370-9

Project Number: 18010-02



Prepared For:

NEW YORK STATE DEPARTMENT
OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation
625 Broadway
Albany, New York 12233

and

Richard and Margaret Wieczorek (As Part Owners)
795 Choctaw Lane
Shalimar, Florida 32579

Report Date: February 28, 2019
Revised Date: January 20, 2020

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1.0 EXECUTIVE SUMMARY

As authorized by Richard and Margaret Wieczorek (As Part Owners) Encorus Group has completed a Periodic Review Report (PRR) of a parcel of land addressed at 2137 Seneca Street, Buffalo (Erie County), New York (Site). The PRR was completed in general conformance with the Site Management Plan (SMP) prepared by URS, Inc. and dated May 25, 2011 for New York State Department of Environmental Conservation (NYSDEC) Volunteer Clean-up Program Site #V00370-9.

Historical use of the Site indicated that previous uses of the Site include residential dwellings, a pharmacy, a retail tire establishment, automotive service building, offices, a dry-cleaning establishment, and former restaurants (i.e., Pizza Hut and Wendy's). Dry cleaning chemicals (namely Tetrachloroethene or PCE) were presumably released to the environment from the aforementioned dry-cleaning establishment resulting in impacted soil and groundwater.

The Site has undergone several remediation activities between 2003 and 2009 with the approval of NYSDEC. Approximately 726-tons of excess overburden soil/fill was excavated and transported off-site for disposal as part of the remedial activities. The Site was restored post-remediation and was developed with a commercial-retail facility operated as a Dollar General store. The NYSDEC-approved Site Management Plan requires continued certification of the Site Institutional and Engineering Controls and implementation of a Groundwater Monitoring Program.

During the monitoring period extending from January 16, 2019 to January 29, 2019, the following tasks of the SMP were completed:

- Institutional and Engineering (IC/EC) Controls were maintained as certified by the Owner;
- A Site-wide inspection was completed of the Cover System; and
- Groundwater Monitoring was completed.

Cover System: Minor failures were noted associated with the Cover System and included seasonally damaged or dead bushes and minor sidewalk cracking.

- **Recommendations:** Replacement of damaged or dead bushes, and replace grass cover as needed and when practicable.

Groundwater Monitoring Program: The results of the Groundwater Monitoring Program indicate that elevated levels of total chlorinated volatile organic compounds (CVOCs) associated with PCE and its potential breakdown products were detected in monitoring well MW-4 (3.700 mg/l), at concentrations above the NYSDEC-mandated Standards, Criteria, and Guidelines (SCG) value of 1 milligram/liter (mg/l). The analytical results of downgradient perimeter wells were below the NYSDEC-mandated SCG concentration of 1 milligram per liter (mg/l), except at monitoring well MW-11 (1.420 mg/l) and PZ-A (3.203 mg/l). It should be noted that PCE degradation CVOCs were detected in deep monitoring well MW-4A, and included vinyl chloride (0.021 mg/l), significantly below the NYSDEC-mandated SCG concentration of 1 milligram per liter (mg/l).

- Recommendation: Continued Groundwater Monitoring is required as stipulated in the VCP agreement until the NYSDEC-mandated SCG is attained. Once attained, three (3) additional quarters of Groundwater Monitoring will be required.

2.0 Site Overview

2.1 Location

The Site is located in an urban area in the City of Buffalo, County of Erie, New York. The current Site address is 2137 Seneca Street, which is identified as Parcel Number 133.26-7-1.1 on the City of Buffalo Tax Map. The Site is an approximately 0.5-acre area bounded by Seneca Street to the northeast and Kingston Place to the northwest. Commercial properties are located adjacent to the Site along Seneca Street (northeast, northwest, and southeast) and residential properties border the rear of the Site along Kingston Avenue (southwest) (Figures 1 and 2).

The Site is currently occupied by an active, single-story commercial building that faces Seneca Street and an asphalt-paved parking lot that covers the remainder of the property around the building. The current building is built for use as a Dollar General (discount store) since 2013.

2.2 Site History and Remediation

Historical use of the Site was summarized by Conestoga Rovers and Associates (CRA) in the associated Final Site Investigation Report and Feasibility Study (SI/FS Report), dated March 31, 2003. This report indicated that previous uses of the Site include residential dwellings, a pharmacy, a retail tire establishment, automotive service building, offices, a dry-cleaning establishment, and former restaurants (i.e., Pizza Hut and Wendy's). According to historic business listings (CRA SI/FS Report), buildings facing Seneca Street included the dry-cleaning establishment at 2141 Seneca Street (northeast corner of the property) from the 1950s until construction of the former Pizza Hut/Wendy's building in 1982. Dry cleaning chemicals (namely Tetrachloroethene or PCE) were presumably released to the environment from the dry-cleaning establishment resulting in impacted soil and groundwater.

A Phase II environmental site investigation (ESI) performed by the Fourth River Company of Pittsburgh, Pennsylvania (FRC) in 1999, first identified the presence of PCE on-Site. Franchise Finance Corporation of America (FFCA – merged with GE Capital Franchise Finance Corporation (GEFF) in 2001), a former Owner, and the New York State Department of Environmental Conservation (NYSDEC) enrolled into the NYSDEC Voluntary Clean-up Program (VCP) in 2000 as the then-noted Volunteer, and the site was assigned the VCP number V00370-9. Several investigations and sampling events were conducted by between 1999 and 2002 before remedial action for the soil was conducted in 2003 and of the groundwater in April 2004 and November 2009. [The current Site Owner since at least 2015 is Richard and Margaret Wieczorek (As Part Owners), and the site is operated as a Dollar General commercial-retail store.]

The Site has undergone several remediation activities between 2003 and 2009 with the approval of NYSDEC. The following is a summary of the Remedial Actions performed at the Site:

- Excavation of soil/fill in the northern portion of the Site that exceeded NYSDEC Technical Administrative Guidance Memorandum (TAGM) #4046 Standards, Criteria, and Guidelines (SCGs) to the extent practicable; advancing vertically to the top of the water table (approximately 10 feet bgs) and horizontally to the property boundary or structures whose integrity would be compromised;

- Construction and maintenance of a soil cover system consisting of vegetative soil or asphalt pavement overlying limestone aggregate backfill to prevent human exposure to remaining contaminated soil/fill remaining at depths below 6 feet under the Site;

- Execution and recording of the Declaration to restrict land use and prevent future risks of exposure, if any, to any residual contamination remaining at the Site;

- Installation of an in-situ groundwater treatment system in the northern portion of the Site comprising a series of injection wells and injection gallery piping connected to service boxes through a network of shallow subsurface feeding lines;

- Implementation of four In-Situ Chemical Oxidation (ISCO) applications to the shallow and deep groundwater utilizing the aforementioned treatment system under gravity flow conditions between April 2004 and May 2005;

- Implementation of three applications of both abiotic and biotic reductive dehalogenation remediation amendments within the shallow groundwater in the northern corner of the Site between September 2007 and November 2009. These full-scale events included the injection of zero-valent iron (ZVI) and either Hydrogen-releasing Compound (HRC)® or EHC® after pathway development within the subsurface using pneumatic and limited hydraulic fracturing;

- Development and implementation of a Soil Management Plan (SMP) for long-term management of Remaining Contamination as required by the Declaration, which includes plans for IC and EC Plans; monitoring, operation and maintenance (if needed); and reporting.

- Completion of a Construction Closeout Report (CCR), on behalf of 2137 Seneca, LLC (former Owner), to summarize the post-remedial redevelopment activities at the Site. Post remedial activities included the following:

    - Demolition of former restaurant building, with off-site disposal and/or recycling of waste streams. Approximately 726-tons of excess overburden soil/fill was excavated and transported off-site for disposal, including 627-tons at WM – Chaffee Landfill in Chaffee, New York, and 99-tons at Modern Landfill in Model City, New York

    - Decommissioning of thirty-six (36) former monitoring wells and piezometers, in accordance with NYSDEC CP-43 guidelines;

    - Installation of a passive sub-slab vapor depressurization system within the commercial building (i.e., Dollar General);

    - Placement and compaction of clean backfill material. Approximately 965.5-tons of approved backfill material was placed on-Site including, approximately 877.5 tons of 2” ROC from Buffalo Crushed Stone Wehrle, and approximately 88-tons of 2” recycled material from Buffalo Recycled Aggregate, LLC; and,

    - Construction of a 9,100-square foot commercial building, parking areas, and landscaping.

2.3 Remaining Contamination

Based on the analytical data collected to-date, contaminant concentrations have been significantly reduced; however, Remaining Contamination was still detected in the subsurface on-Site by URS, Inc. as of May 2011. As previously reported to the NYSDEC, the results of the remedial investigations, as well as the confirmatory soil sampling and progress groundwater monitoring conducted after the remedial efforts, were performed to evaluate the Remaining Contamination present on-Site.

The groundwater contaminant data since January 2006, as previously reported by URS, Inc., confirm that the application of abiotic and biotic reductive dehalogenation remediation technologies has been successful in reducing the PCE concentration breakdown products (cis-1,2-dichloroethene [cis-1,2-DCE] and vinyl chloride, respectively) on-Site. The chlorinated volatile organic compound (CVOC) contaminant mass on-Site is

reportedly dominated by the third-order breakdown product vinyl chloride, indicating that reductive dehalogenation pathway of PCE is nearly completed.

2.4 Existing Groundwater Monitoring System

Groundwater monitoring of five shallow wells within the immediate vicinity of the remediated impact area will continue on an annual basis until the reported total CVOC concentration at all monitored wells drops below the NYSDEC-defined SCG. The five shallow wells include MW-2, MW-4, MW-11, MW-13, and PZ-A. In addition, deep well MW-4A is also monitored. The locations of the wells are presented on Figure 3.

Monitoring Well MW-4 contains cumulative CVOCs at levels exceeding the NYSDEC-defined SCG, and at levels greater than in February 2018; the cumulative CVOCs are below SCG levels in well MW-4A but at levels greater than in February 2018. The analytical results of downgradient perimeter wells MW-11, MW-13 (below SCG), and PZ-A indicate an increase of cumulative CVOCs as compared to February 2018.

2.5 Clean-up Goals

According to the SMP report, the remedial goal of reducing groundwater CVOCs to the NYSDEC-mandated concentration of 1 milligram per liter (mg/L) or part per million (ppm) or less on-Site has substantially been achieved. Isolated temporary spikes in CVOC concentrations have been reported specifically in monitoring well MW-4 and PZ-A (Figure 3) chiefly associated with PCE degradation products.

Once the monitoring objectives have been achieved, the current Owner will perform at least three more groundwater monitoring events (four quarters total) to confirm that the monitoring results report a cumulative CVOC concentration (i.e., summation of PCE and its breakdown products TCE, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, and vinyl chloride) of less than 1 mg/L in each on-Site well. Once the quarterly monitoring has demonstrated that the total CVOC concentrations on-Site are at 1 mg/L or below, the Owner will notify NYSDEC, discontinue groundwater monitoring, and initiate the decommissioning of the monitoring wells. The Owner will not initiate the well decommissioning activities without NYSDEC's consent. Well decommissioning will be in accordance with NYSDEC guidance.

2.6 Institutional/Engineering Control Verification

2.6.1 Verification of Site Details

As per the NYSDEC Site Management Periodic Review (PRR) Notice, Institutional Controls (IC) and Engineering Controls (EC) Certification process, the Owner is required to verify Site details on an annual basis until closure of the VCP Agreement is satisfied.

2.6.2 Institutional Controls Certification

As per the NYSDEC Site Management Periodic Review (PRR) Notice, Institutional Controls (IC) and Engineering Controls (EC) Certification process, the Owner is required to verify that all existing site controls are still applicable. The following ICs are listed for the Site:

- Groundwater Use Restriction
- Land-use Restriction
- Monitoring Plan
- Site Management Plan (SMP)

The Declaration of Covenants and Restrictions prohibits the site from being used for anything other than industrial or commercial purposes, excluding day care, child care and medical care uses. The use of the groundwater underlying the site is also prohibited without proper treatment.

The Owner has certified that the IC/EC are applicable (refer to Appendix B - Institutional Controls (IC) and Engineering Controls (EC) Certification).

2.6.3 Engineering Controls Certification

As per the NYSDEC Site Management Periodic Review (PRR) Notice, Institutional Controls (IC) and Engineering Controls (EC) Certification process, the Owner is required to verify that all existing site controls are still applicable.

The following EC is listed for the Site:

- Cover System Inspection

The soil cover system is a permanent, passive control that includes clean soil cover/cap in landscaped areas, asphalt covered/paved parking, and throughways, and concrete covered sidewalks that is integrated into the current use of the property. The current cover system is expected to remain in-place in perpetuity with routine maintenance (i.e., landscaping maintenance, asphalt pavement sealing and repair, municipal inspection of sidewalks and associated repair) expected with Site use.

The cover system monitoring will be conducted annually and will involve a visual walk-over inspection of the Site. Additional inspections will be required after any redevelopment of the property that involves removal and replacement of any section of the pavement, including excavations. Unscheduled inspections may take place when a suspected failure in the cover system has been reported or an emergency occurs that is deemed likely to affect the operation of the system.

The visual inspection will involve an evaluation of the integrity of the following features on-Site:

a) The sidewalk along Kingston Place and Seneca Street;
b) The landscaped area between the northwestern edge of the parking lot and the sidewalk along Kingston Place;
c) The asphalt pavement parking lot surrounding the current building;
d) The landscaped area in front (northeast) of the current building.

A complete list of components to be checked is provided in the Inspection Checklist, presented in Appendix B-2. For landscaped areas, observations including areas of deterioration, water erosion, subsidence, or ponding will be documented on the inspection form and evaluated. For paved areas (i.e., asphalt, sidewalk), separation cracks or vertical off-sets that are greater than one-half inch shall be documented and sealed or repaired.

If an emergency, such as a natural disaster or an unforeseen failure of any of the ECs occurs, an inspection of the Site will be conducted within 5 days of the event to verify the effectiveness of the EC/ICs implemented at the Site by a qualified environmental professional as determined by NYSDEC.

As a requirement of the EC Certification, a New York State Professional Engineer (NYSPE) is required to sign the appropriate Certification Form. Such is provided in Appendix B-1.

3.0 Media Monitoring Program

SMP activities include monitoring of groundwater remediation progress and contingency monitoring of Soil Vapor Intrusion (SVI) potential. Groundwater monitoring includes well development and sampling activities at monitoring wells noted in Section 2.4.

The contingency SVI monitoring has not been completed as the requirements for such monitoring have not yet been developed by the Owner or approved by the NYSDEC. At present, a passive sub-slab vapor depressurization system has been installed within the commercial building (i.e., Dollar General). An evaluation of the need for implementing an active system has not been implemented for the Site. If required based on available soil and/or groundwater monitoring data, the SMP will identify the SVI risk present for the building occupation and outline a program necessary for monitoring and/or mitigating the risk, if present. Currently, this passive sub-slab vapor depressurization is still present on-site, as observed from the ground surface. Two SVI roof vents were observed from the exterior ground surface, at the northwest and southwest building corners. In addition, the associated roof vent pipe was observed to be intact on the building interior at the southwest interior corner; there is no access to the roof vent pipe at the northwest interior building corner.

3.1 Groundwater Progress Monitoring

Groundwater progress monitoring was conducted to assess the performance of the remedial activities as the groundwater concentrations approach the remedial goal of 1 part per million (ppm) in each of the on-site monitoring wells serving as the monitoring program wells (refer to Section 2.4).

In as much as there are no active potable water supply wells on-Site or off-Site that are withdrawing groundwater from the VOC-contaminated groundwater zone, there is no significant risk posed to public health due to the detection of part per billion (ppb) concentrations of CVOCs in groundwater in the vicinity of the Site. In addition, there appears to be no significant future risk to human health given the unlikely potential for future potable use of the shallow aquifer underlying the Site.

To confirm that groundwater has achieved the site-specific remedial goal, monitoring wells have been established that include up-gradient well MW-2, down-gradient wells MW-4, MW- 13, MW-11, and PZ-A, and deep well MW-4A, as illustrated on Figure 3. These wells were previously selected based on the historic groundwater concentrations. Monitoring well MW-2 is also included to confirm up-gradient to cross-gradient concentrations.

Groundwater progress monitoring was conducted in January 2019 and will further be conducted until the reported total CVOC concentration in each of the selected wells achieves the NYSDEC-defined SCG a level of 1 mg/L or below of total CVOCs.

3.2 Sampling Protocol

3.2.1 Groundwater Wells

Groundwater level measurements were collected from the designated monitoring well locations (i.e., MW-2, MW-4, MW-4A, MW-11, MW-13, PZ-A) prior to sampling. Each well was purged using low-flow pumping or bailing techniques. Groundwater samples were collected after at least three well-volumes were removed and after water levels had stabilized to 90 percent of the initial water level reading prior to evacuation. Sampled groundwater was collected in laboratory-supplied bottles, placed in a cooler, chilled to approximately 4 degrees Celsius (^{o}C), and delivered to the analytical laboratory (i.e., Alpha Analytical) by the field crew on-site under chain-of-custody procedures, on January 16, 2019.

Groundwater samples were tested for VOCs by SW-846 Method 8260. To monitor QA/QC for each groundwater sampling event, one duplicate sample, and one trip blank were collected during the monitoring event.

3.3 Monitoring Quality Assurance/Quality Control (QA/QC)

All sampling and analyses will be performed in accordance with the requirements of the Quality Assurance Project Plan (QAPP) prepared for the Site and presented in the SMP. Main components include:

- Sampling Program
  - Sample containers will be provided by the laboratory to certify that they are properly washed, decontaminated, and dosed with appropriate preservative (if applicable) prior to sample collection and analysis. Containers with preservative will be properly labeled as such.
  - Sample holding times will be in accordance with the NYSDEC Analytical Services Protocol (ASP) requirements.
  - Field QC samples (e.g., trip blanks and coded field duplicates) will be collected as necessary.

- Analytical Procedures.

- Preparation of a summary of sample preservation and chain-of-custody procedures.

- Calibration Procedures:
  - All field analytical equipment will be calibrated immediately prior to each day's use. Calibration procedures will conform to manufacturer's standard instructions.
  - The laboratory will follow all calibration procedures and schedules as specified in EPA SW-846 and subsequent updates that apply to the instruments used for the analytical methods.

- Preventative Maintenance Procedures and Schedules.

- Corrective Action Measures.

4.0 Summary of Results

4.1 Institutional/Engineering Control Verification

As per the NYSDEC Site Management Periodic Review (PRR) Notice, Institutional Controls (IC) and Engineering Controls (EC) Certification process, the Owner is required to verify that all existing site controls are still applicable. The Owner has certified that the IC/EC are applicable (refer to Appendix B - Institutional Controls (IC) and Engineering Controls (EC) Certification).

4.2 Engineering Controls Certification

As per the NYSDEC Site Management Periodic Review (PRR) Notice, Institutional Controls (IC) and Engineering Controls (EC) Certification process, the Owner is required to verify that all existing site controls are still applicable.

The following EC are listed for the Site:

- Cover System Inspection

Based on the results of the Site inspection, the following was noted:

- Vegetative cover along Kingston Place – seasonally damaged bushes and a 2- to 4-inch snow cover was noted (refer to Appendix B-2)
- Sidewalk (Kingston Place) has minor cracking (0.25-inches or less). The parking lot, building walkways, access roads – no concerns (refer to Appendix B-2).

4.3 Groundwater Monitoring Program

Six (6) groundwater monitoring wells were redeveloped on January 16, 2019 prior to sampling. Well redevelopment included the following tasks:

- Each well was redeveloped using dedicated PVC bailers. Prior to redevelopment, each well was gauged with an electronic water level indicator to determine the depth to the water table; such data is presented in Table No. 2. [Table No. 1 also presents historic water levels obtained by others]. Well evacuation continued until at least three well volumes were removed.
- Monitoring well PZ-A was developed using a 1-inch PVC bailer and at least three well volumes were evacuated.
- Groundwater samples were obtained via dedicated PVC bailers.
- Groundwater samples were placed into pre-cleaned jars provided by the analytical laboratory, Alpha Analytical. One trip blank QA/QC sample was also submitted for analysis. One unmarked duplicate sample was also submitted for analysis. The duplicate sample was obtained from well MW-2. The eight (8) samples were submitted for volatile organic compound (VOC) analysis via USEPA Method 8260C.

4.3.1 Groundwater Levels

Groundwater elevations were plotted on a site location map which presents the existing Groundwater Monitoring System wells. Groundwater elevations are referenced to the top of the well casing at each well and are presented in Table 1 and shown graphically on Figure 3. The approximate shallow overburden groundwater flow direction is believed to be to the north direction and is generally consistent with historic data.

4.3.1.1 Well Integrity

All monitoring wells were checked for integrity of the steel road boxes and the surface cement-grout seals. All road boxes and the surface seals were determined to be intact; two hold-down bolts were noted to be missing and will be replaced.

4.3.2 Analytical Results

Based on the analytical results of the groundwater sampling and testing, the detected parameters are presented in Table 2 and graphically on Figure 4. Total CVOC concentrations, which include a summation of PCE and its potential breakdown products (TCE, cis-1,2-DCE, trans-1,2-DCE, 1,1-DCE, 1,1-DCA, and Vinyl Chloride), are presented in micrograms per liter (ug/L) and milligrams per liter (mg/l).

In general, the CVOC concentrations were below the NYSDEC-mandated SCG concentration of 1,000 micrograms per liter (ug/L) or 1.0 mg/L (ppm), except at monitoring well MW-4 (3.700 mg/l), MW-11 (1.420 mg/l), and PZ-A (3.203 mg/l). [The duplicate sample from well MW-2 had a reported similar result of 0.00069 mg/l – significantly below the SCG]. It should be noted that PCE degradation CVOCs were detected in deep monitoring well MW-4A and included vinyl chloride (0.029 mg/l), significantly below the SCG.

5.0 Findings and Recommendations

5.1 IC/EC Certification

No concerns were identified during the Cover System inspection on January 9 or January 16, 2019, except as noted in Section 4.2.

- Recommendations: Replacement of damaged or dead bushes.

5.2 Groundwater Monitoring Program

Reported CVOC concentrations were below the NYSDEC-mandated SCG concentration of 1 milligram per liter (mg/L), except at monitoring wells MW-4 (3.700 mg/l), MW-11 (1.420 mg/l), and PZ-A (3.203 mg/l).

- Recommendations: Continued Groundwater Monitoring is required as stipulated in the VCP agreement until the NYSDEC-mandated SCG is attained.

6.0 Signature of Environmental Professional

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in 40 CFR 312.10.

I have the specific qualifications based on education, training, and experience to undertake this Periodic Review Report of the property identified as Former Pizza Hut (VCP #V00370-9), 2137 Seneca Street, Buffalo, New York for the current Owner, Richard and Margaret Wieczorek (As Part Owners).

Andrew J. Kuceserik, CPG
Senior Geologist/Environmental Professional

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Education:
BA, Geological Sciences, State University of New York at Buffalo

Professional Registrations:
AIPG 25 years
BAPG 32 years

Years of Experience:
Total: 40
With Encorus: 3

Andrew J. Kucserik, CPG

Senior Geologist/Environmental Professional

Mr. Kucserik is a Senior Geologist with nearly 40 years of geologic experience. His specialties include geotechnical investigations, geophysics, soil and groundwater sampling, remediation, environmental due diligence, and consulting services.

Mr. Kucserik's representative project experience includes:

Phase I – Environmental Site Assessment, 264 Ridge Road, Lackawanna, New York (2012-2017)
Mr. Kucserik completed a multi-phase investigation of a proposed residential development at a former community center that was part of a US Brownfield-eligibility investigation completed for a national consulting firm. The initial investigation included geophysical methods to investigate the presence of underground storage tanks (USTs), foundations, and potential fills. Subsequent phases included ASTM AAI Phase I reports and updates completed for national borrowers and local community developers.

Voluntary Clean-up Program (VCP), 2137 Seneca Street, Buffalo, New York
A former dry cleaning facility was remediated and required an Operations and Maintenance (O&M) program. Mr. Kucserik currently conducts annual groundwater sampling and laboratory analyses as part of the NYSDEC Periodic Report Review requirements for the out-of-state Owners. The final closure is pending based on the analytical results and NYSDEC.

Former Manufacturing Facility, Jamestown, New York
A confidential client is assessing the viability of redeveloping a former manufacturing facility; however, the presence of oil-soaked wooden floor tiles required sampling and analyses for both gross contamination and waste disposal options. This investigation is currently being completed by Mr. Kucserik and is being evaluated for disposal costs.

Underground Storage Tank (UST), Military Road, Niagara Falls, New York
Mr. Kucserik completed the investigation, excavation, remediation, and closure of three previously unknown USTs at a site that had been remediated two times previously by others. The USTs were encountered during ancillary construction activities for a national retail developer.

Environmental Due Diligence
Mr. Kucserik is the Senior Geologist/Environmental Professional providing environmental due diligence services to several Western New York lending institutions, developers, attorneys, and private/commercial individuals. Typical projects have included multi-million dollar acquisitions of commercial properties for redevelopment and refinancing.

Responsible for scheduling and management of all Environmental due diligence activities (Phase I) projects in the Western New York area and portions of Pennsylvania. Mr. Kucserik is also responsible for providing professional services concerning Phase II Environmental Site Assessments incorporating drill rigs and staff, site remediation, soil, groundwater, and soil gas vapor sampling, geophysical investigations, geological consulting, and oversight monitoring.

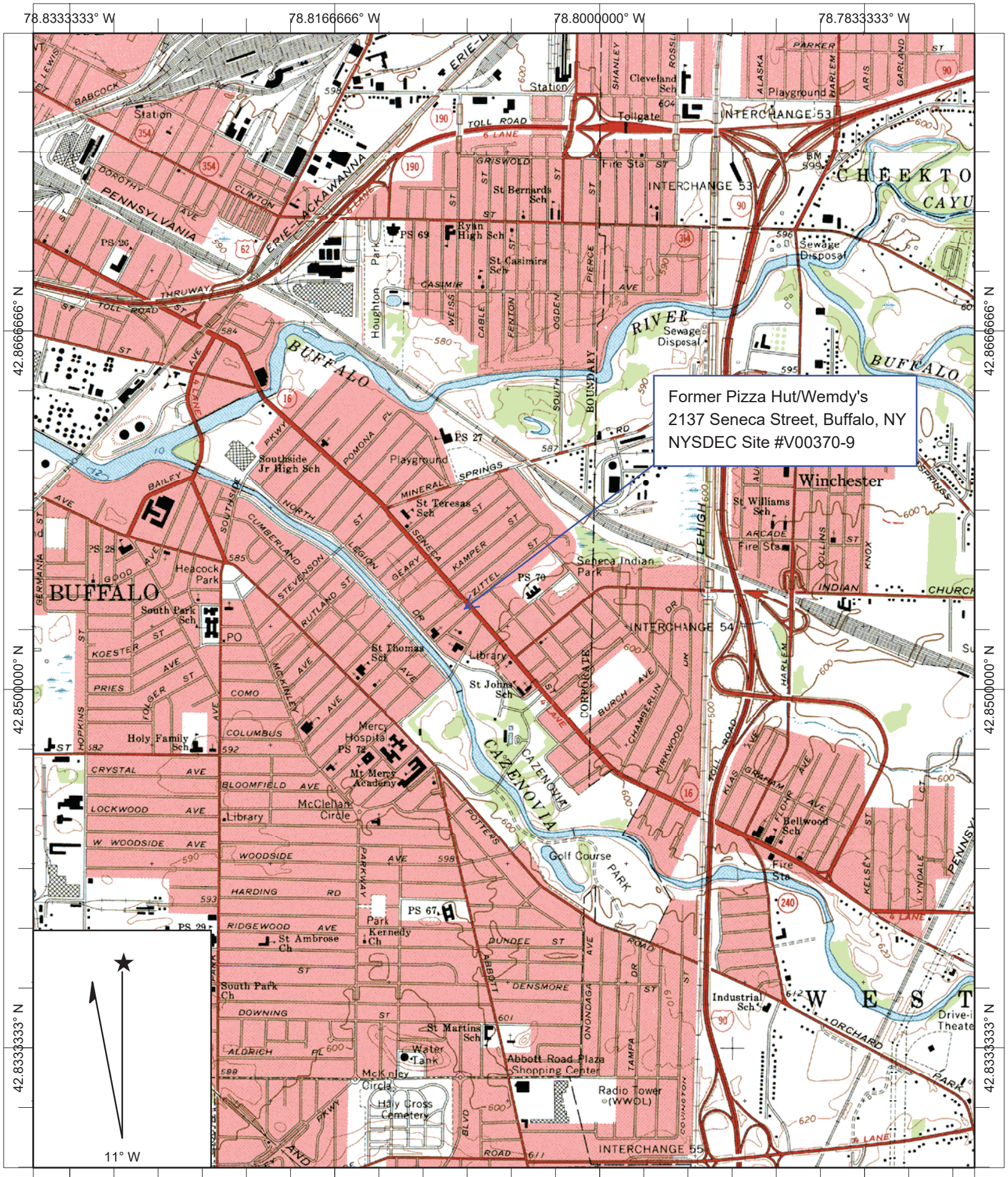
- Underground storage tank (UST) removal investigations and oversight monitoring.
- Completed over 2,000 Phase I Environmental Site Assessments.
- Completed over 200 geophysical surveys utilizing magnetometer, ground penetrating radar, seismic blast monitoring, and resistivity surveys with associated equipment.
- Regulatory agency interfacing.
- Business development.

PROFESSIONAL AFFILIATIONS & TRAINING

HAZWOPER Recertification (November 2018)
USEPA Certified Lead-Based Paint Inspector (2012 - 2016)
SUNY @ Buffalo Geology Alumni Advisory Board (2010 – 2014)
Radiation Worker II Safety Refresher (May 2003)
USEPA Fractured Bedrock Symposium (February 2001)
Wetlands Identification & Delineation (December 2000)
Federal and State Spill Reporting Requirements (October 1997)
ASTM Seminar, Risk-Based Corrective Action (June 1997)
ASCE Course on Foundation Design (April 1997)
IAH Symposium, Modern Trends in Hydrogeology (May 1992)
Asbestos Handlers & Supervisors Course (1989 - 1992)
OSHA 1910.120 40-Hour Hazardous Waste Certification (December 1987)
Site Assessment of Hazardous Waste Sites (October 1987)

APPENDICES

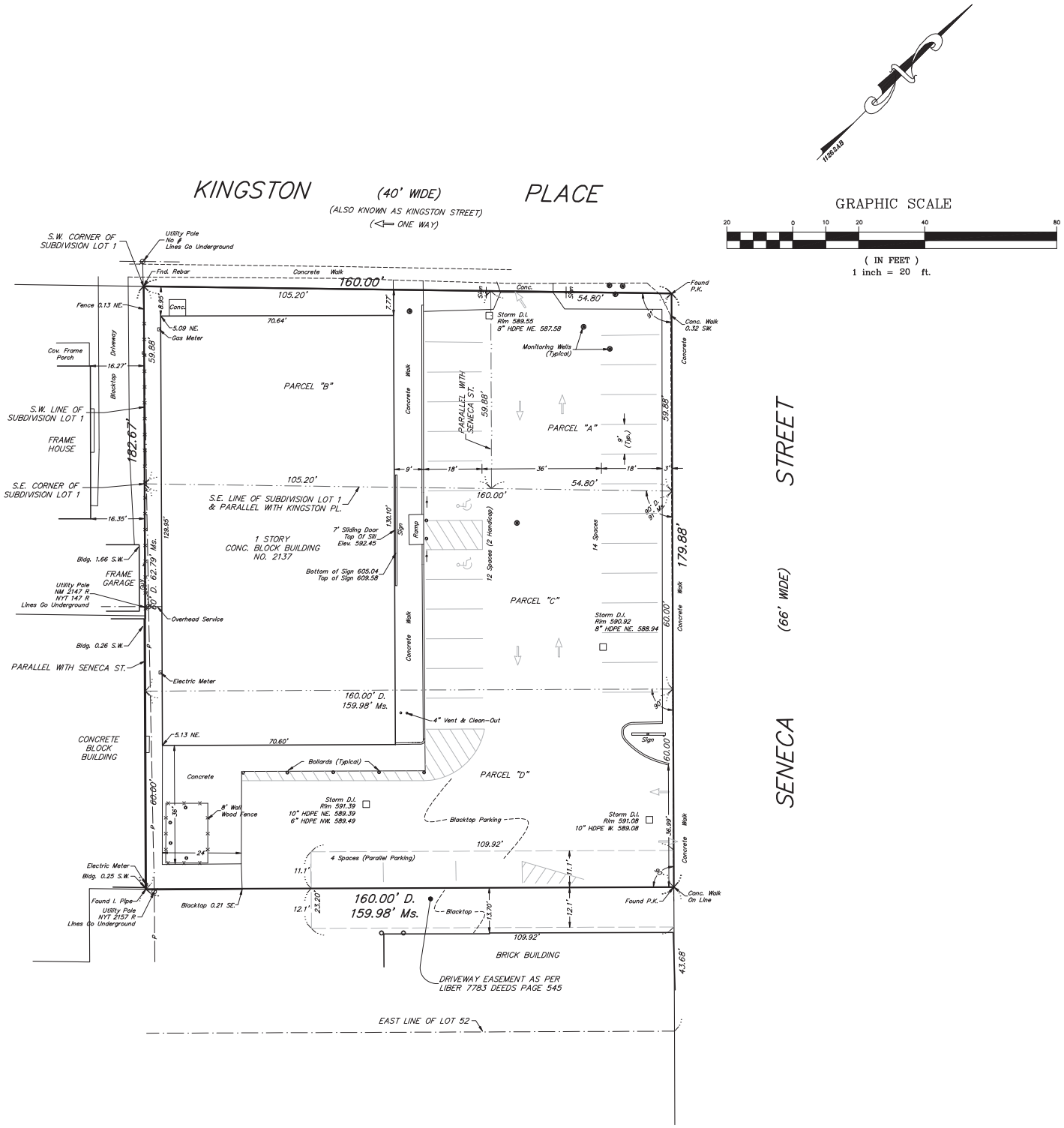
APPENDIX A – FIGURES AND TABLES



Name: BUFFALO SE

Scale: 1 inch equals 2000 feet

Location: 042.8541398° N 078.8060336° W
Caption: 2137 Seneca Street, Buffalo, NY (1965)



LEGEND

⌀	UTILITY / SERVICE POLE	R.O.W.	RIGHT OF WAY
WV	WATER LINE VALVE	CONC.	CONCRETE
	FIRE HYDRANT	INV.	INVERT
D	D.I. (DROP INLET – STORM)	M.H.	MANHOLE
S	MANHOLE (STORM)	—G—	GAS LINE
E	MANHOLE (ELECTRIC)	—W—	WATER LINE
T	MANHOLE (TRAFFIC)	—T—	TELEPHONE LINE
S	MANHOLE (SANITARY)	—E—	ELECTRIC LINE
	LDR (LIGHT DUTY RECEIVER – STORM)	—P—	UTILITY LINES
	BYD (BACKYARD DRAIN INLET – STORM)	—C—	CABLE LINES
GV	GAS LINE VALVE	D.	DEED
	LIGHT STANDARD	M.	MEASURED
	SIGN	L.	LIBER
H.C.	HANDICAP	P.	PAGE

NOTE:
BUILDING OFFSETS & SETBACKS MEASURED TO FOUNDATIONS

INSTRUMENT(S) UTILIZED IN DETERMINING LOCATION OF BOUNDARY LINES: LIBER 9439 PAGE 654
THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A CURRENT ABSTRACT OF TITLE AND IS SUBJECT TO ANY STATE OF FACTS THAT MAY BE REVEALED IN SAID ABSTRACT.
NOTE: PROPERTY CORNER MONUMENTS WERE NOT PLACED AS PART OF THIS SURVEY.

THIS SURVEY MAP WAS PREPARED IN ACCORDANCE WITH THE CURRENT STANDARDS FOR LAND SURVEYS ADOPTED BY THE BAR ASSOCIATION OF ERIE COUNTY AT THE REQUEST OF Creative Structures Services

FRANCIS C. DELLES NYSPLS No. 050477

Millard, MacKay & Delles
LAND SURVEYORS, LLP
150 AERO DRIVE
BUFFALO, NEW YORK 14225
PHONE (716) 631-5140 ~ FAX 631-3811

AMEND:
SURVEY DATE: 3-14-12
©DRAWING DATE: 3-16-12
SCALE: 1" = 20'

THIS MAP VOID UNLESS EMBOSSED WITH NEW YORK STATE LICENSED LAND SURVEYOR'S SEAL. ALTERING ANY ITEM ON THIS MAP IS A VIOLATION OF THE LAW EXCEPT AS PROVIDED IN SECTION 7209, PART 2, OF THE NEW YORK STATE EDUCATION LAW.

FINAL AS-BUILT SURVEY

PART OF LOT 52 SECTION ____ TOWNSHIP 10 RANGE 7 OF THE: Buffalo Creek Reservation SURVEY – Erie COUNTY, N.Y.

SURVEY OF: 2137 Seneca Street, City of Buffalo

SBL No. 133.26-7-1.1

MEASUREMENT OF GROUNDWATER LEVELS

Site Name / Number: Parcel 2 - 2137 Seneca St. / VCA 00370-9
Owner: Richard/Margaret Weiczorek (Part Owners)
Location: Buffalo, NY
Date: 01 / 16 / 2019
By: Encorus Group
Meas. Method Electronic Water Level Indicator

Well Number	Time	Elevation of Reference	Depth to Water	Water Elevation	Notes
		Feet	Feet	Feet	
MW-2	N/A	590.24	7.66	582.58	Gray cloudy
MW-4	N/A	589.47	6.92	582.55	Gray cloudy
MW-4A	N/A	589.04	8.76	580.28	Gray cloudy
MW-11	N/A	589.48	6.78	582.70	Rusty cloudy
MW-13	N/A	589.77	7.18	582.59	Rusty cloudy
PZ-A	N/A	589.86	7.32	582.54	Gray cloudy

ENCORUS GROUP
2745 Broadway
Cheektowaga, New York 14227
O: 716-863-2093

Table No. 2 - Analytical Results (01/16/2019)
VCP NYSDEC Site #V00370-9 - 2137 Seneca Street, Buffalo, New York

LOCATION				WELL MW-2		WELL MW-4		WELL MW-4A		WELL MW-11		WELL MW-13		WELL PZ-A		DUPLICATE		TRIP BLANK	
SAMPLING DATE				1/16/2019		1/16/2019		1/16/2019		1/16/2019		1/16/2019		1/16/2019		1/16/2019		1/16/2019	
LAB SAMPLE ID				L1902061-01		L1902061-02		L1902061-03		L1902061-04		L1902061-05		L1902061-06		L1902061-07		L1902061-08	
SAMPLE TYPE				WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
SAMPLE DEPTH (ft.)																			
	CasNum	NY-AWQS	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organics by GC/MS																			
1,1-Dichloroethane	75-34-3	5	ug/l									1.2	J					2.5	U
Vinyl chloride	75-01-4	2	ug/l	0.37	J	1400		21		730		7.5		1400		0.44	J	1	U
1,1-Dichloroethene	75-35-4	5	ug/l											2.5	J			0.5	U
Trichloroethene	79-01-6	5	ug/l	0.24	J							0.3	J			0.25	J	0.5	U
Methyl tert butyl ether	1634-04-4	10	ug/l									4.4						2.5	U
cis-1,2-Dichloroethene	156-59-2	5	ug/l			2300		8		690		9		1800				2.5	U
Acetone	67-64-1	50	ug/l	1.7	J			5.4				1.6	J					5	U
Cumulative CVOC Concentration (ug/l)			(ug/l)	0.6		3,700.0		29.0		1,420.0		18.0		3,202.5		0.69		N/A	
Cumulative CVOC Concentration (mg/l)			(mg/l)	0.0006		***3.700***		0.029		***1.420***		0.018		***3.203***		0.001		N/A	
Result (2/28/2018)			(mg/l)	0.007		***2.230***		0.009		0.410		0.013		***2.050***		0.010		NA	
Result (12/23/2016)			(mg/l)	0.019		***3.424***		0.024		0.602		0.017		***1.370***		***1.310***		N/A	
Result (5/3/2016)			(mg/l)	0.028		***4.840***		***1.225***		0.099		0.021		***3.020***		N/A		N/A	
Result (7/31/2014)			(mg/l)	0.063		***6.112***		0.239		***2.900***		0.033		***4.304***		N/A		N/A	

*NY-AWQS: New York TOGS 111 Ambient Water Quality Standards criteria reflects all addendum to criteria through June 2004.

Samples collected on January 16, 2019 were analyzed by Alpha Analytical

BOLD = Exceeds NYSDEC-mandated Cumulative CVOC concentration of 1 milligram per liter (mg/L) or part per million (ppm)

ND = Not Detected

NA = Not Analyzed

J= Estimated concentration below reporting limit

D= Diluted sample

Note: CVOCs are the sum of PCE and its potential breakdown products (TCE, cis-1,2-DCE, trans-1,2-DCE, 1,1-DCE, 1,1-DCA, and Vinyl Chloride)

CVOCs:

TCE = trichloroethylene; 1,2,3-Trichloroethylene

cis-1,2-Dichloroethene = cis-Acetylene dichloride; cis-1,2-Dichloroethylene, cis-1,2 DCE

trans-1,2-DCE = Ethylene, 1,2-dichloro-, (E)-(E)-1,2-Dichloroethylene;trans-Di-1,2-Chloroethylene;trans-1,2-Dichloroethene;trans-1,2-Dichloroethylene;(E)-CHCl=CHCl;1,2-trans-Dichloroethene;(E)-1,2-Dichloroethene;1,2-trans-Dichloroethylene;trans-Acetylene dichloride;trans-Dichloroethylene;Acetylene dichloride, trans-;Dichloroethylene, trans-;1,trans-2-Dichloroethene

vinyl chloride = VCM,Chloroethylene, chloroethene

PCE = tetrachloroethene, tetrachloroethylene

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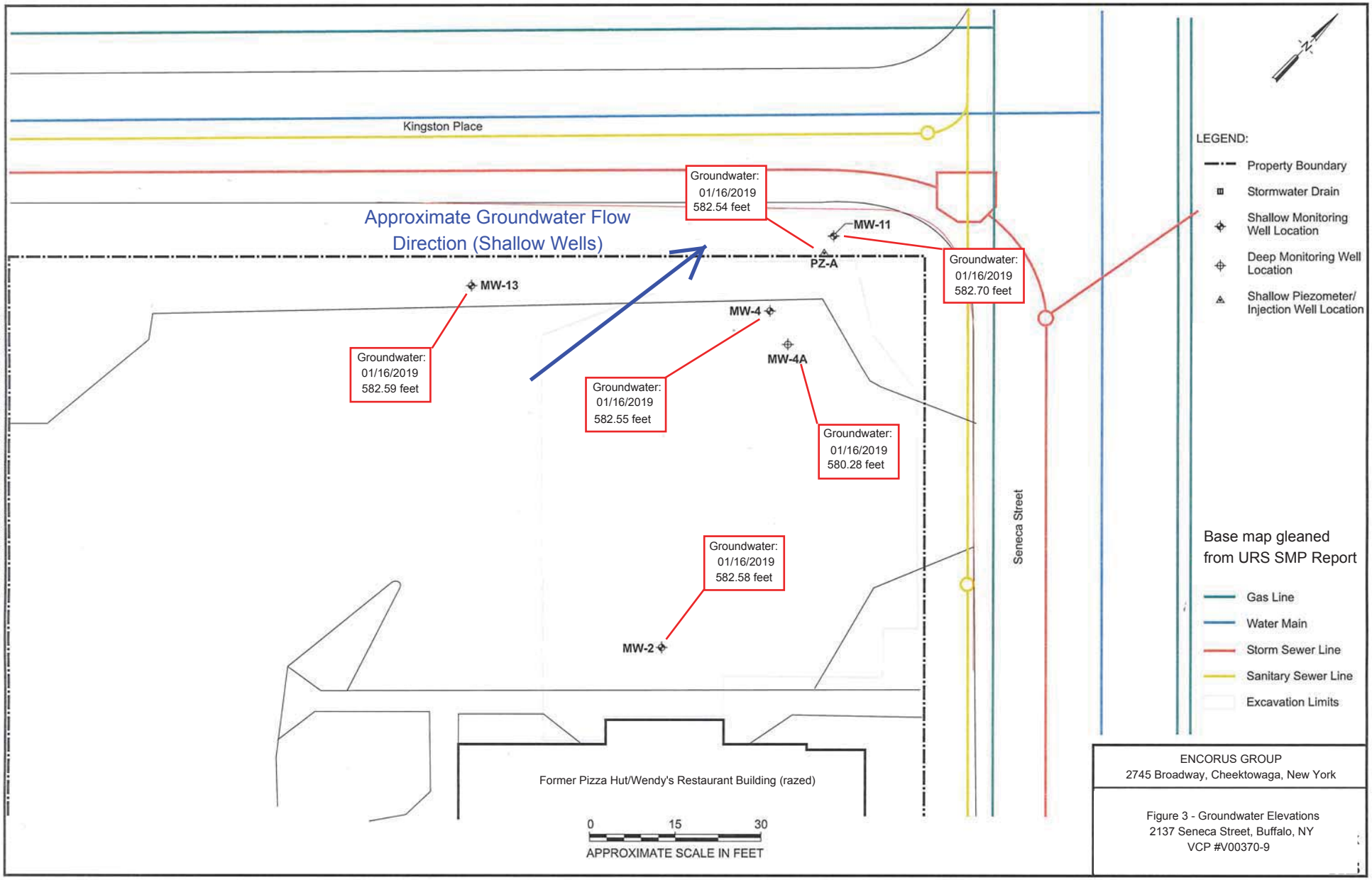
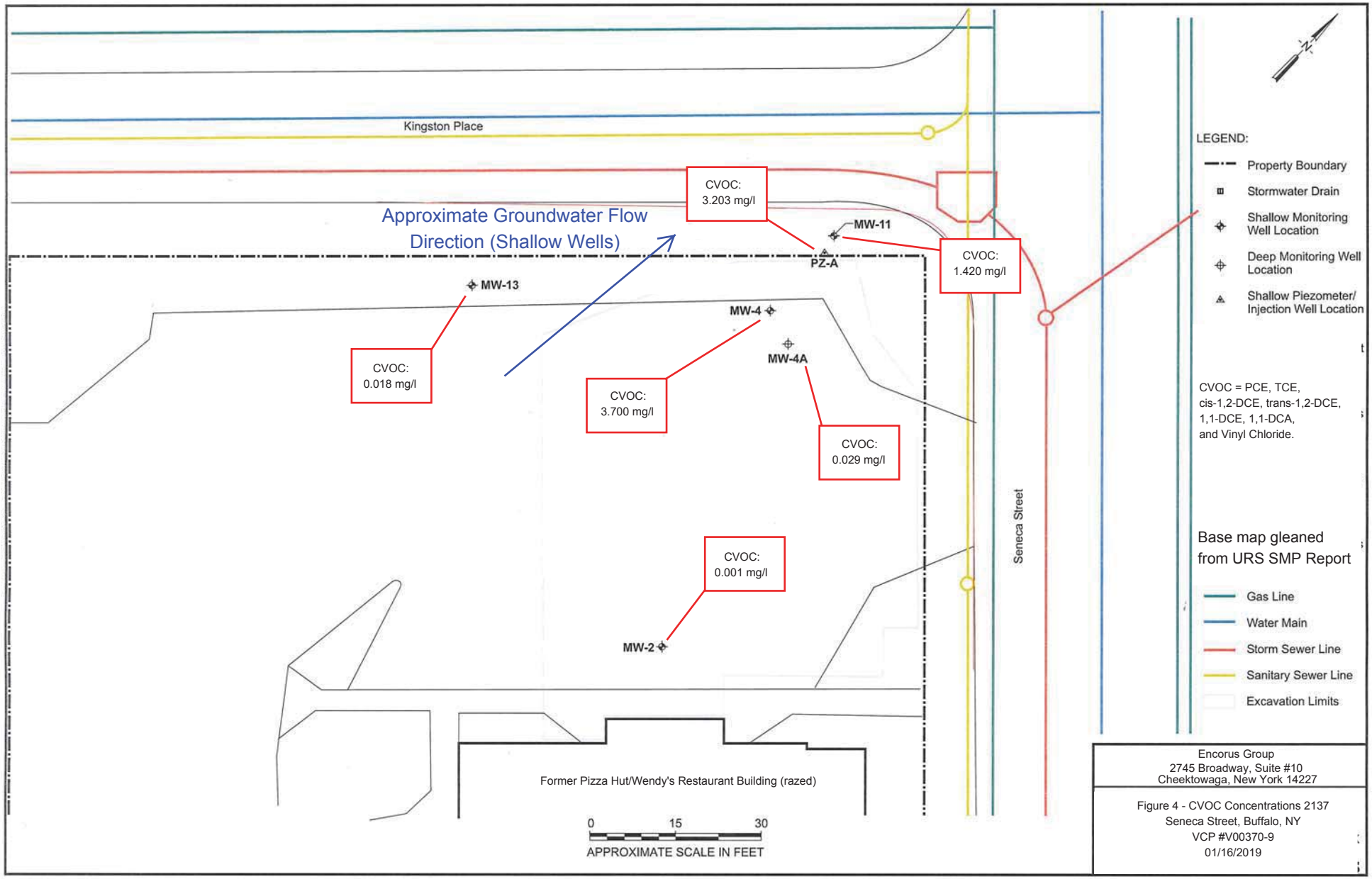
www.alphalab.com


Kingston Place
Approximate Groundwater Flow Direction (Shallow Wells)
Groundwater: 01/16/2019 582.54 feet
MW-11
PZ-A
Groundwater: 01/16/2019 582.70 feet
MW-13
Groundwater: 01/16/2019 582.59 feet
MW-4
MW-4A
Groundwater: 01/16/2019 582.55 feet
Groundwater: 01/16/2019 580.28 feet
Groundwater: 01/16/2019 582.58 feet
MW-2
Seneca Street
Former Pizza Hut/Wendy's Restaurant Building (razed)
0 15 30
APPROXIMATE SCALE IN FEET
LEGEND:
Property Boundary
Stormwater Drain
Shallow Monitoring Well Location
Deep Monitoring Well Location
Shallow Piezometer/ Injection Well Location
Base map gleaned from URS SMP Report
Gas Line
Water Main
Storm Sewer Line
Sanitary Sewer Line
Excavation Limits
ENCORUS GROUP
2745 Broadway, Cheektowaga, New York
Figure 3 - Groundwater Elevations
2137 Seneca Street, Buffalo, NY
VCP #V00370-9


Kingston Place
Approximate Groundwater Flow Direction (Shallow Wells)
CVOC: 3.203 mg/l
MW-11
PZ-A
CVOC: 1.420 mg/l
MW-13
CVOC: 0.018 mg/l
MW-4
CVOC: 3.700 mg/l
MW-4A
CVOC: 0.029 mg/l
CVOC: 0.001 mg/l
MW-2
Seneca Street
Former Pizza Hut/Wendy's Restaurant Building (razed)
0
15
30
APPROXIMATE SCALE IN FEET
LEGEND:
Property Boundary
Stormwater Drain
Shallow Monitoring Well Location
Deep Monitoring Well Location
Shallow Piezometer/ Injection Well Location
CVOC = PCE, TCE, cis-1,2-DCE, trans-1,2-DCE, 1,1-DCE, 1,1-DCA, and Vinyl Chloride.
Base map gleaned from URS SMP Report
Gas Line
Water Main
Storm Sewer Line
Sanitary Sewer Line
Excavation Limits
Encorus Group
2745 Broadway, Suite #10
Cheektowaga, New York 14227
Figure 4 - CVOC Concentrations 2137
Seneca Street, Buffalo, NY
VCP #V00370-9
01/16/2019

APPENDIX B – IC/EC CERTIFICATIONS

APPENDIX B-1 – OWNER CERTIFICATION

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation
625 Broadway, 11th Floor, Albany, NY 12233-7020
P: (518)402-9543 | F: (518)402-9547
www.dec.ny.gov

12/19/2018

Richard And Margaret Wieczorek, Owner
795 Choctaw Lane
Shalimar, FL 32579

Re: Reminder Notice: Site Management Periodic Review Report and IC/EC Certification Submittal
Site Name: Former Pizza Hut
Site No.: V00370
Site Address: 2137 Seneca Street
Buffalo, NY 14210

Dear Richard And Margaret Wieczorek:

This letter serves as a reminder that sites in active Site Management (SM) require the submittal of a periodic progress report. This report, referred to as the Periodic Review Report (PRR), must document the implementation of, and compliance with, site-specific SM requirements. Section 6.3(b) of DER-10 *Technical Guidance for Site Investigation and Remediation* (available online at http://www.dec.ny.gov/regulations/67386.html) provides guidance regarding the information that must be included in the PRR. Further, if the site is comprised of multiple parcels, then you as the Certifying Party must arrange to submit one PRR for all parcels that comprise the site. The PRR must be received by the Department no later than **February 28, 2019**. Guidance on the content of a PRR is enclosed.

Site Management is defined in regulation (6 NYCRR 375-1.2(at)) and in Chapter 6 of DER-10. Depending on when the remedial program for your site was completed, SM may be governed by multiple documents (e.g., Operation, Maintenance, and Monitoring Plan; Soil Management Plan) or one comprehensive Site Management Plan.

A Site Management Plan (SMP) may contain one or all of the following elements, as applicable to the site: a plan to maintain institutional controls and/or engineering controls ("IC/EC Plan"); a plan for monitoring the performance and effectiveness of the selected remedy ("Monitoring Plan"); and/or a plan for the operation and maintenance of the selected remedy ("O&M Plan"). Additionally, the technical requirements for SM are stated in the decision document (e.g., Record of Decision) and, in some cases, the legal agreement directing the remediation of the site (e.g., order on consent, voluntary agreement, etc.).

When you submit the PRR (by the due date above), include the enclosed forms documenting that all SM requirements are being met. The Institutional Controls (ICs) portion of the form (Box 6) must be signed by you or your designated representative. The Engineering Controls (ECs) portion of the form (Box 7) must be signed by a Professional Engineer (PE). If you cannot certify that all SM requirements are being met, you must submit a Corrective Measures Work Plan that identifies the actions to be taken to restore compliance. The work plan must include a schedule to be approved by the Department. The Periodic Review process will not be considered complete until all necessary corrective measures are completed and all required controls are certified. Instructions for completing the certifications are enclosed.

All site-related documents and data, including the PRR, must be submitted in electronic format to the Department of Environmental Conservation. The required format for documents is an Adobe PDF file with optical character recognition and no password protection. Data must be submitted as an electronic data deliverable (EDD) according to the instructions on the following webpage:

https://www.dec.ny.gov/chemical/62440.html

Documents may be submitted to the project manager either through electronic mail or by using the Department's file transfer service at the following webpage:

https://fts.dec.state.ny.us/fts/

The Department will not approve the PRR unless all documents and data generated in support of the PRR have been submitted using the required formats and protocols.

You may contact David Szymanski, the Project Manager, at 716-851-7220 or david.szymanski@dec.ny.gov with any questions or concerns about the site. Please notify the project manager before conducting inspections or field work. You may also write to the project manager at the following address:

New York State Department of Environmental Conservation
270 Michigan Ave
Buffalo, NY 14203-2915

Enclosures

PRR General Guidance
Certification Form Instructions
Certification Forms

ec: w/ enclosures
David Szymanski, Project Manager
Chad Staniszewski, Hazardous Waste Remediation Supervisor, Region 9

Applus RTD Quality Inspection Services - Andrew J. Kucserik. CPG, PG - Andrew.Kucserik@applusrtd.com

Enclosure 1

Certification Instructions

I. Verification of Site Details (Box 1 and Box 2):

Answer the three questions in the Verification of Site Details Section. The Owner and/or Qualified Environmental Professional (QEP) may include handwritten changes and/or other supporting documentation, as necessary.

II. Certification of Institutional Controls/ Engineering Controls (IC/ECs)(Boxes 3, 4, and 5)

1.1.1. Review the listed IC/ECs, confirming that all existing controls are listed, and that all existing controls are still applicable. If there is a control that is no longer applicable the Owner / Remedial Party should petition the Department separately to request approval to remove the control.

2. In Box 5, complete certifications for all Plan components, as applicable, by checking the corresponding checkbox.

3. If you cannot certify "YES" for each Control listed in Box 3 & Box 4, sign and date the form in Box 5. Attach supporting documentation that explains why the **Certification** cannot be rendered, as well as a plan of proposed corrective measures, and an associated schedule for completing the corrective measures. Note that this **Certification** form must be submitted even if an IC or EC cannot be certified; however, the certification process will not be considered complete until corrective action is completed.

If the Department concurs with the explanation, the proposed corrective measures, and the proposed schedule, a letter authorizing the implementation of those corrective measures will be issued by the Department's Project Manager. Once the corrective measures are complete, a new Periodic Review Report (with IC/EC Certification) must be submitted within 45 days to the Department. If the Department has any questions or concerns regarding the PRR and/or completion of the IC/EC Certification, the Project Manager will contact you.

III. IC/EC Certification by Signature (Box 6 and Box 7**):**

If you certified "YES" for each Control, please complete and sign the IC/EC Certifications page as follows:

- For the Institutional Controls on the use of the property, the certification statement in Box 6 shall be completed and may be made by the property owner or designated representative.

- For the Engineering Controls, the certification statement in Box 7 must be completed by a Professional Engineer or Qualified Environmental Professional, as noted on the form.

ATTN: ANDY KUCZERIK 716-542-4216

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. **V00370**

Site Name Former Pizza Hut

Site Address: 2137 Seneca Street Zip Code: 14210
City/Town: Buffalo
County: Erie
Site Acreage: 0.660

Reporting Period: January 29, 2018 to January 29, 2019

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

Box 2

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

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

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

Richard M. Wieczorek — 2/27/2019

Signature of Owner, Remedial Party or Designated Representative — Date

SITE NO. V00370 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
133.26-07-1.1	Richard and Margaret Wieczorek	Monitoring Plan Ground Water Use Restriction Landuse Restriction Site Management Plan

The Declaration of Covenants and Restrictions prohibits the site from being used for anything other than industrial or commercial purposes, excluding day care, child care and medical care uses.The use of the groundwater underlying the site is also prohibit without proper treatment.

The Site Management Plan includes provisions for continued groundwater monitoring, inspection of the existing site cover, disposition of excavated soils and evaluating the potential for intrusive soil vapors if the building on site is ever reoccupied or another building constructed in its place.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
133.26-07-1.1	Cover System

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 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
☒	☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

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

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

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

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

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

YES	NO
☒	☐

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

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

Richard M. Wiegorek
Signature of Owner, Remedial Party or Designated Representative

2/27/2019
Date

IC CERTIFICATIONS
SITE NO. V00370

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 Richard M. Wieczorek at 2137 Seneca Street, Buffalo, New York,
print name print business address

am certifying as Owner (Owner or Remedial Party)

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

Richard M. Wieczorek
Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

2/27/2019
Date

IC/EC CERTIFICATIONS

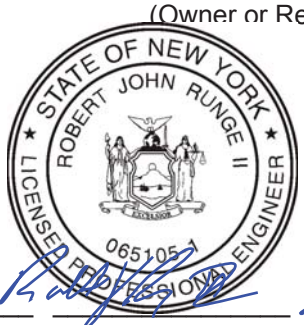
Box 7

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 Robert J. Runge II at 23 Mechanic Street, PO Box 344, Springville, NY 14141,
print name print business address

am certifying as a Professional Engineer for the Richard and Margaret Wieczorek (as part Owners)
(Owner or Remedial Party)



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

Stamp (Required for PE)

2019-02-22
Date

APPENDIX B-2 – SITE INSPECTION FORMS

INSPECTION FORM
COVER SYSTEM

Inspector's Name: Andrew J. Kucserik / Encorus Group
Date and Time of Inspection: January 09, 2019; 8:00 AM
Date of Last Inspection: January 11, 2018

Purpose for Inspection: Annual/Periodic: Annual
Post-excavation or surface repair: _____
After significant weather events: _____
Observed damage requiring inspection / Other: _____

INSPECTION CHECKLIST

1. **Vegetative cover along Kingston Place**
Walk the length of the vegetative cover.

		Comments
• Are there any bare spots in the vegetation cover?	__ Yes X No	
• Are there any signs of damaged or diseased vegetation?	X Yes __ No	Some dead/dying bushes along Seneca St.
• Are there any signs of excessive erosion?	__ Yes X No	
• Is there new root exposure or new woody plants established?	__ Yes X No	
• Are there any signs of burrowing animals?	__ Yes X No	
• Any other Observations?		

2. **Sidewalk along Kingston Place and Seneca Street, walkways around building, Asphalt pavement associated with parking lot and access way to road**
Walk the length of the sidewalks.

		Comments
• Are there any cracks greater than ½-inch apart?	__ Yes X No	
• Are there any signs of raised pavement associated with plant roots or subsurface subsidence?	__ Yes X No	
• Are there any signs of extensive deterioration of pavement?	__ Yes X No	
• Any other Observations?		

3. Remedial Action Required: The dead or dying bushes should be replaced as part of the cover system.

4. Inspector's Signature: Andrew J. Kucserik

RETURN COMPLETED FORM TO PROPERTY OWNER REPRESENTATIVE

SITE-WIDE INSPECTION FORM

Inspector's Name: Andrew J. Kucserik / Encorus Group

Date and Time of Inspection: January 09, 2019; 8:00 AM

Date of Last Inspection: January 11, 2018

Purpose for Inspection: Annual/Periodic: Annual
Changes to Site Use: _____
Property Owner Transfer: _____
Changes in Site Condition / Other: _____

SITE OWNERSHIP AND USE

1. **Site Owner:** Richard/Margaret Wieczorek (66%) Mitchell/Sofia Maxick (34%) New Owner since last inspection? __ Yes X No
2. **Name of Establishment:** Dollar General (retail store)
3. **Current Site Use:** X Commercial __ Industrial __ Unoccupied __ Other: _____
4. Are there any tenants residing on Site? __ Yes* X No
5. Does the Site Use include a day care, child care, or medical Care facility? __ Yes* X No
6. Does the Site Use include a vegetable garden? __ Yes* X No
7. Does the Site utilize on Site groundwater for irrigation, potable use, or other use? __ Yes* X No
8. Has the soil cover been compromised such that contamination has been encountered? __ Yes* X No

" * ": Any conditions associated with an asterisk require review of the VCA and Declaration of Covenants and Restrictions (Appendix A and B of the SMP) and potential notification to NYSDEC to verify that this use is currently appropriate for the Site.

MEDIA MONITORING STATUS

1. **Has a soil cover inspection been conducted since the last site-wide inspection?** X Yes __ No
   Inspection Date: January 09, 2019 (Please attach copy(s) of inspection form)
2. **Has groundwater monitoring performed since the past inspection?** X Yes __ No
   Monitoring Dates: January 16, 2019 _____ _____ _____
3. Remedial Action Required: No
4. Inspector's Signature: Andrew J. Kucserik

RETURN COMPLETED FORM TO PROPERTY OWNER REPRESENTATIVE AND NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC)

APPENDIX C – ANALYTICAL DATA

ANALYTICAL REPORT

Lab Number:	L1902061
Client:	Encorus Group 2745 Broadway Suite 10 Cheektowaga, NY 14227
ATTN:	Andrew Kucserik
Phone:	(716) 592-3980
Project Name:	2137 SENECA ST. VCP
Project Number:	Not Specified
Report Date:	01/21/19

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

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

Project Name: 2137 SENECA ST. VCP
Project Number: Not Specified

Lab Number: L1902061
Report Date: 01/21/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1902061-01	WELL MW-2	WATER	2137 SENECA ST., BUFFALO, NY	01/16/19 13:06	01/16/19
L1902061-02	WELL MW-4	WATER	2137 SENECA ST., BUFFALO, NY	01/16/19 15:15	01/16/19
L1902061-03	WELL MW-4A	WATER	2137 SENECA ST., BUFFALO, NY	01/16/19 14:50	01/16/19
L1902061-04	WELL MW-11	WATER	2137 SENECA ST., BUFFALO, NY	01/16/19 14:04	01/16/19
L1902061-05	WELL MW-13	WATER	2137 SENECA ST., BUFFALO, NY	01/16/19 13:42	01/16/19
L1902061-06	WELL PZ-A	WATER	2137 SENECA ST., BUFFALO, NY	01/16/19 14:26	01/16/19
L1902061-07	DUPLICATE	WATER	2137 SENECA ST., BUFFALO, NY	01/16/19 13:25	01/16/19
L1902061-08	TRIP BLANK	WATER	2137 SENECA ST., BUFFALO, NY	01/16/19 11:30	01/16/19

Project Name:	2137 SENECA ST. VCP	**Lab Number:**	L1902061
Project Number:	Not Specified	**Report Date:**	01/21/19

Case Narrative

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

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

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

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

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

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

Project Name:	2137 SENECA ST. VCP	**Lab Number:**	L1902061
Project Number:	Not Specified	**Report Date:**	01/21/19

Case Narrative (continued)

Report Submission

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

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

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 01/21/19

ORGANICS

VOLATILES

Project Name: 2137 SENECA ST. VCP
Lab Number: L1902061
Project Number: Not Specified
Report Date: 01/21/19

SAMPLE RESULTS

Lab ID: L1902061-01
Client ID: WELL MW-2
Sample Location: 2137 SENECA ST., BUFFALO, NY
Date Collected: 01/16/19 13:06
Date Received: 01/16/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 01/18/19 17:52
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.37	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.24	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 2137 SENECA ST. VCP
Lab Number: L1902061
Project Number: Not Specified
Report Date: 01/21/19

SAMPLE RESULTS

Lab ID: L1902061-01
Client ID: WELL MW-2
Sample Location: 2137 SENECA ST., BUFFALO, NY

Date Collected: 01/16/19 13:06
Date Received: 01/16/19
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	93		70-130

Project Name: 2137 SENECA ST. VCP
Project Number: Not Specified
Lab Number: L1902061
Report Date: 01/21/19

SAMPLE RESULTS

Lab ID: L1902061-02 D
Client ID: WELL MW-4
Sample Location: 2137 SENECA ST., BUFFALO, NY
Date Collected: 01/16/19 15:15
Date Received: 01/16/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 01/18/19 18:29
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	50	14.	20
1,1-Dichloroethane	ND		ug/l	50	14.	20
Chloroform	ND		ug/l	50	14.	20
Carbon tetrachloride	ND		ug/l	10	2.7	20
1,2-Dichloropropane	ND		ug/l	20	2.7	20
Dibromochloromethane	ND		ug/l	10	3.0	20
1,1,2-Trichloroethane	ND		ug/l	30	10.	20
Tetrachloroethene	ND		ug/l	10	3.6	20
Chlorobenzene	ND		ug/l	50	14.	20
Trichlorofluoromethane	ND		ug/l	50	14.	20
1,2-Dichloroethane	ND		ug/l	10	2.6	20
1,1,1-Trichloroethane	ND		ug/l	50	14.	20
Bromodichloromethane	ND		ug/l	10	3.8	20
trans-1,3-Dichloropropene	ND		ug/l	10	3.3	20
cis-1,3-Dichloropropene	ND		ug/l	10	2.9	20
Bromoform	ND		ug/l	40	13.	20
1,1,2,2-Tetrachloroethane	ND		ug/l	10	3.3	20
Benzene	ND		ug/l	10	3.2	20
Toluene	ND		ug/l	50	14.	20
Ethylbenzene	ND		ug/l	50	14.	20
Chloromethane	ND		ug/l	50	14.	20
Bromomethane	ND		ug/l	50	14.	20
Vinyl chloride	1400		ug/l	20	1.4	20
Chloroethane	ND		ug/l	50	14.	20
1,1-Dichloroethene	ND		ug/l	10	3.4	20
trans-1,2-Dichloroethene	ND		ug/l	50	14.	20
Trichloroethene	ND		ug/l	10	3.5	20
1,2-Dichlorobenzene	ND		ug/l	50	14.	20

Project Name: 2137 SENECA ST. VCP **Lab Number:** L1902061

Project Number: Not Specified **Report Date:** 01/21/19

SAMPLE RESULTS

Lab ID: L1902061-02 D Date Collected: 01/16/19 15:15

Client ID: WELL MW-4 Date Received: 01/16/19

Sample Location: 2137 SENECA ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	50	14.	20
1,4-Dichlorobenzene	ND		ug/l	50	14.	20
Methyl tert butyl ether	ND		ug/l	50	14.	20
p/m-Xylene	ND		ug/l	50	14.	20
o-Xylene	ND		ug/l	50	14.	20
cis-1,2-Dichloroethene	2300		ug/l	50	14.	20
Styrene	ND		ug/l	50	14.	20
Dichlorodifluoromethane	ND		ug/l	100	20.	20
Acetone	ND		ug/l	100	29.	20
Carbon disulfide	ND		ug/l	100	20.	20
2-Butanone	ND		ug/l	100	39.	20
4-Methyl-2-pentanone	ND		ug/l	100	20.	20
2-Hexanone	ND		ug/l	100	20.	20
Bromochloromethane	ND		ug/l	50	14.	20
1,2-Dibromoethane	ND		ug/l	40	13.	20
1,2-Dibromo-3-chloropropane	ND		ug/l	50	14.	20
Isopropylbenzene	ND		ug/l	50	14.	20
1,2,3-Trichlorobenzene	ND		ug/l	50	14.	20
1,2,4-Trichlorobenzene	ND		ug/l	50	14.	20
Methyl Acetate	ND		ug/l	40	4.7	20
Cyclohexane	ND		ug/l	200	5.4	20
1,4-Dioxane	ND		ug/l	5000	1200	20
Freon-113	ND		ug/l	50	14.	20
Methyl cyclohexane	ND		ug/l	200	7.9	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	95		70-130

Project Name: 2137 SENECA ST. VCP
Lab Number: L1902061
Project Number: Not Specified
Report Date: 01/21/19

SAMPLE RESULTS

Lab ID: L1902061-03
Client ID: WELL MW-4A
Sample Location: 2137 SENECA ST., BUFFALO, NY
Date Collected: 01/16/19 14:50
Date Received: 01/16/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 01/18/19 19:05
Analyst: PK

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

Project Name: 2137 SENECA ST. VCP
Lab Number: L1902061
Project Number: Not Specified
Report Date: 01/21/19

SAMPLE RESULTS

Lab ID: L1902061-03
Client ID: WELL MW-4A
Sample Location: 2137 SENECA ST., BUFFALO, NY

Date Collected: 01/16/19 14:50
Date Received: 01/16/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	8.0		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	5.4		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	92		70-130

Project Name: 2137 SENECA ST. VCP
Lab Number: L1902061
Project Number: Not Specified
Report Date: 01/21/19

SAMPLE RESULTS

Lab ID: L1902061-04 D
Client ID: WELL MW-11
Sample Location: 2137 SENECA ST., BUFFALO, NY

Date Collected: 01/16/19 14:04
Date Received: 01/16/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 01/18/19 19:42
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	12	3.5	5
1,1-Dichloroethane	ND		ug/l	12	3.5	5
Chloroform	ND		ug/l	12	3.5	5
Carbon tetrachloride	ND		ug/l	2.5	0.67	5
1,2-Dichloropropane	ND		ug/l	5.0	0.68	5
Dibromochloromethane	ND		ug/l	2.5	0.74	5
1,1,2-Trichloroethane	ND		ug/l	7.5	2.5	5
Tetrachloroethene	ND		ug/l	2.5	0.90	5
Chlorobenzene	ND		ug/l	12	3.5	5
Trichlorofluoromethane	ND		ug/l	12	3.5	5
1,2-Dichloroethane	ND		ug/l	2.5	0.66	5
1,1,1-Trichloroethane	ND		ug/l	12	3.5	5
Bromodichloromethane	ND		ug/l	2.5	0.96	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	0.82	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	0.72	5
Bromoform	ND		ug/l	10	3.2	5
1,1,2,2-Tetrachloroethane	ND		ug/l	2.5	0.84	5
Benzene	ND		ug/l	2.5	0.80	5
Toluene	ND		ug/l	12	3.5	5
Ethylbenzene	ND		ug/l	12	3.5	5
Chloromethane	ND		ug/l	12	3.5	5
Bromomethane	ND		ug/l	12	3.5	5
Vinyl chloride	730		ug/l	5.0	0.36	5
Chloroethane	ND		ug/l	12	3.5	5
1,1-Dichloroethene	ND		ug/l	2.5	0.84	5
trans-1,2-Dichloroethene	ND		ug/l	12	3.5	5
Trichloroethene	ND		ug/l	2.5	0.88	5
1,2-Dichlorobenzene	ND		ug/l	12	3.5	5

Project Name: 2137 SENECA ST. VCP
Lab Number: L1902061
Project Number: Not Specified
Report Date: 01/21/19

SAMPLE RESULTS

Lab ID: L1902061-04 D
Client ID: WELL MW-11
Sample Location: 2137 SENECA ST., BUFFALO, NY

Date Collected: 01/16/19 14:04
Date Received: 01/16/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	12	3.5	5
1,4-Dichlorobenzene	ND		ug/l	12	3.5	5
Methyl tert butyl ether	ND		ug/l	12	3.5	5
p/m-Xylene	ND		ug/l	12	3.5	5
o-Xylene	ND		ug/l	12	3.5	5
cis-1,2-Dichloroethene	690		ug/l	12	3.5	5
Styrene	ND		ug/l	12	3.5	5
Dichlorodifluoromethane	ND		ug/l	25	5.0	5
Acetone	ND		ug/l	25	7.3	5
Carbon disulfide	ND		ug/l	25	5.0	5
2-Butanone	ND		ug/l	25	9.7	5
4-Methyl-2-pentanone	ND		ug/l	25	5.0	5
2-Hexanone	ND		ug/l	25	5.0	5
Bromochloromethane	ND		ug/l	12	3.5	5
1,2-Dibromoethane	ND		ug/l	10	3.2	5
1,2-Dibromo-3-chloropropane	ND		ug/l	12	3.5	5
Isopropylbenzene	ND		ug/l	12	3.5	5
1,2,3-Trichlorobenzene	ND		ug/l	12	3.5	5
1,2,4-Trichlorobenzene	ND		ug/l	12	3.5	5
Methyl Acetate	ND		ug/l	10	1.2	5
Cyclohexane	ND		ug/l	50	1.4	5
1,4-Dioxane	ND		ug/l	1200	300	5
Freon-113	ND		ug/l	12	3.5	5
Methyl cyclohexane	ND		ug/l	50	2.0	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	91		70-130

Project Name: 2137 SENECA ST. VCP
Lab Number: L1902061
Project Number: Not Specified
Report Date: 01/21/19

SAMPLE RESULTS

Lab ID: L1902061-05
Client ID: WELL MW-13
Sample Location: 2137 SENECA ST., BUFFALO, NY
Date Collected: 01/16/19 13:42
Date Received: 01/16/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 01/18/19 20:18
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	1.2	J	ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	7.5		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.30	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 2137 SENECA ST. VCP
Lab Number: L1902061
Project Number: Not Specified
Report Date: 01/21/19

SAMPLE RESULTS

Lab ID: L1902061-05
Client ID: WELL MW-13
Sample Location: 2137 SENECA ST., BUFFALO, NY
Date Collected: 01/16/19 13:42
Date Received: 01/16/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	4.4		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	9.0		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.6	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	93		70-130

Project Name: 2137 SENECA ST. VCP
Project Number: Not Specified
Lab Number: L1902061
Report Date: 01/21/19

SAMPLE RESULTS

Lab ID: L1902061-06 D
Client ID: WELL PZ-A
Sample Location: 2137 SENECA ST., BUFFALO, NY
Date Collected: 01/16/19 14:26
Date Received: 01/16/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 01/18/19 16:40
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	25	7.0	10
1,1-Dichloroethane	ND		ug/l	25	7.0	10
Chloroform	ND		ug/l	25	7.0	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
1,2-Dichloropropane	ND		ug/l	10	1.4	10
Dibromochloromethane	ND		ug/l	5.0	1.5	10
1,1,2-Trichloroethane	ND		ug/l	15	5.0	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	25	7.0	10
Trichlorofluoromethane	ND		ug/l	25	7.0	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
1,1,1-Trichloroethane	ND		ug/l	25	7.0	10
Bromodichloromethane	ND		ug/l	5.0	1.9	10
trans-1,3-Dichloropropene	ND		ug/l	5.0	1.6	10
cis-1,3-Dichloropropene	ND		ug/l	5.0	1.4	10
Bromoform	ND		ug/l	20	6.5	10
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	1.7	10
Benzene	ND		ug/l	5.0	1.6	10
Toluene	ND		ug/l	25	7.0	10
Ethylbenzene	ND		ug/l	25	7.0	10
Chloromethane	ND		ug/l	25	7.0	10
Bromomethane	ND		ug/l	25	7.0	10
Vinyl chloride	1400		ug/l	10	0.71	10
Chloroethane	ND		ug/l	25	7.0	10
1,1-Dichloroethene	2.5	J	ug/l	5.0	1.7	10
trans-1,2-Dichloroethene	ND		ug/l	25	7.0	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,2-Dichlorobenzene	ND		ug/l	25	7.0	10

Project Name: 2137 SENECA ST. VCP **Lab Number:** L1902061

Project Number: Not Specified **Report Date:** 01/21/19

SAMPLE RESULTS

Lab ID: L1902061-06 D Date Collected: 01/16/19 14:26

Client ID: WELL PZ-A Date Received: 01/16/19

Sample Location: 2137 SENECA ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	25	7.0	10
1,4-Dichlorobenzene	ND		ug/l	25	7.0	10
Methyl tert butyl ether	ND		ug/l	25	7.0	10
p/m-Xylene	ND		ug/l	25	7.0	10
o-Xylene	ND		ug/l	25	7.0	10
cis-1,2-Dichloroethene	1800		ug/l	25	7.0	10
Styrene	ND		ug/l	25	7.0	10
Dichlorodifluoromethane	ND		ug/l	50	10.	10
Acetone	ND		ug/l	50	15.	10
Carbon disulfide	ND		ug/l	50	10.	10
2-Butanone	ND		ug/l	50	19.	10
4-Methyl-2-pentanone	ND		ug/l	50	10.	10
2-Hexanone	ND		ug/l	50	10.	10
Bromochloromethane	ND		ug/l	25	7.0	10
1,2-Dibromoethane	ND		ug/l	20	6.5	10
1,2-Dibromo-3-chloropropane	ND		ug/l	25	7.0	10
Isopropylbenzene	ND		ug/l	25	7.0	10
1,2,3-Trichlorobenzene	ND		ug/l	25	7.0	10
1,2,4-Trichlorobenzene	ND		ug/l	25	7.0	10
Methyl Acetate	ND		ug/l	20	2.3	10
Cyclohexane	ND		ug/l	100	2.7	10
1,4-Dioxane	ND		ug/l	2500	610	10
Freon-113	ND		ug/l	25	7.0	10
Methyl cyclohexane	ND		ug/l	100	4.0	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	96		70-130

Project Name: 2137 SENECA ST. VCP
Project Number: Not Specified
Lab Number: L1902061
Report Date: 01/21/19

SAMPLE RESULTS

Lab ID: L1902061-07
Client ID: DUPLICATE
Sample Location: 2137 SENECA ST., BUFFALO, NY
Date Collected: 01/16/19 13:25
Date Received: 01/16/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 01/18/19 16:12
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.44	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.25	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 2137 SENECA ST. VCP
Lab Number: L1902061
Project Number: Not Specified
Report Date: 01/21/19

SAMPLE RESULTS

Lab ID: L1902061-07
Client ID: DUPLICATE
Sample Location: 2137 SENECA ST., BUFFALO, NY
Date Collected: 01/16/19 13:25
Date Received: 01/16/19
Field Prep: Not Specified

Sample Depth:

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

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

Project Name: 2137 SENECA ST. VCP
Project Number: Not Specified
Lab Number: L1902061
Report Date: 01/21/19

SAMPLE RESULTS

Lab ID: L1902061-08
Client ID: TRIP BLANK
Sample Location: 2137 SENECA ST., BUFFALO, NY
Date Collected: 01/16/19 11:30
Date Received: 01/16/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 01/18/19 15:44
Analyst: PK

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

Project Name: 2137 SENECA ST. VCP
Lab Number: L1902061
Project Number: Not Specified
Report Date: 01/21/19

SAMPLE RESULTS

Lab ID: L1902061-08
Client ID: TRIP BLANK
Sample Location: 2137 SENECA ST., BUFFALO, NY
Date Collected: 01/16/19 11:30
Date Received: 01/16/19
Field Prep: Not Specified

Sample Depth:

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

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

Project Name: 2137 SENECA ST. VCP
Project Number: Not Specified
Lab Number: L1902061
Report Date: 01/21/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/18/19 12:25
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1198987-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: 2137 SENECA ST. VCP
Project Number: Not Specified
Lab Number: L1902061
Report Date: 01/21/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/18/19 12:25
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1198987-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: 2137 SENECA ST. VCP
Project Number: Not Specified

Lab Number: L1902061
Report Date: 01/21/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/18/19 12:25
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1198987-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	92		70-130

Project Name: 2137 SENECA ST. VCP
Project Number: Not Specified
Lab Number: L1902061
Report Date: 01/21/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/18/19 12:02
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06-08 Batch: WG1199030-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: 2137 SENECA ST. VCP
Project Number: Not Specified
Lab Number: L1902061
Report Date: 01/21/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/18/19 12:02
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06-08 Batch: WG1199030-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: 2137 SENECA ST. VCP
Project Number: Not Specified
Lab Number: L1902061
Report Date: 01/21/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/18/19 12:02
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06-08 Batch: WG1199030-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2137 SENECA ST. VCP
Project Number: Not Specified

Lab Number: L1902061
Report Date: 01/21/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1198987-3 WG1198987-4								
Methylene chloride	96		91		70-130	5		20
1,1-Dichloroethane	100		96		70-130	4		20
Chloroform	96		92		70-130	4		20
Carbon tetrachloride	81		78		63-132	4		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	96		95		63-130	1		20
1,1,2-Trichloroethane	110		110		70-130	0		20
Tetrachloroethene	86		85		70-130	1		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	81		78		62-150	4		20
1,2-Dichloroethane	97		96		70-130	1		20
1,1,1-Trichloroethane	86		84		67-130	2		20
Bromodichloromethane	97		93		67-130	4		20
trans-1,3-Dichloropropene	91		89		70-130	2		20
cis-1,3-Dichloropropene	88		86		70-130	2		20
Bromoform	100		100		54-136	0		20
1,1,2,2-Tetrachloroethane	120		120		67-130	0		20
Benzene	97		94		70-130	3		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		110		70-130	10		20
Chloromethane	75		72		64-130	4		20
Bromomethane	51		45		39-139	13		20
Vinyl chloride	87		83		55-140	5		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2137 SENECA ST. VCP
Project Number: Not Specified

Lab Number: L1902061
Report Date: 01/21/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1198987-3 WG1198987-4								
Chloroethane	98		94		55-138	4		20
1,1-Dichloroethene	87		84		61-145	4		20
trans-1,2-Dichloroethene	92		91		70-130	1		20
Trichloroethene	91		90		70-130	1		20
1,2-Dichlorobenzene	100		110		70-130	10		20
1,3-Dichlorobenzene	110		110		70-130	0		20
1,4-Dichlorobenzene	110		110		70-130	0		20
Methyl tert butyl ether	81		81		63-130	0		20
p/m-Xylene	105		105		70-130	0		20
o-Xylene	105		105		70-130	0		20
cis-1,2-Dichloroethene	94		92		70-130	2		20
Styrene	105		105		70-130	0		20
Dichlorodifluoromethane	74		70		36-147	6		20
Acetone	110		110		58-148	0		20
Carbon disulfide	84		80		51-130	5		20
2-Butanone	120		120		63-138	0		20
4-Methyl-2-pentanone	110		110		59-130	0		20
2-Hexanone	120		120		57-130	0		20
Bromochloromethane	92		91		70-130	1		20
1,2-Dibromoethane	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	93		99		41-144	6		20
Isopropylbenzene	110		120		70-130	9		20
1,2,3-Trichlorobenzene	100		110		70-130	10		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2137 SENECA ST. VCP
Project Number: Not Specified

Lab Number: L1902061
Report Date: 01/21/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1198987-3 WG1198987-4								
1,2,4-Trichlorobenzene	100		110		70-130	10		20
Methyl Acetate	94		96		70-130	2		20
Cyclohexane	88		90		70-130	2		20
1,4-Dioxane	112		116		56-162	4		20
Freon-113	88		85		70-130	3		20
Methyl cyclohexane	75		77		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		98		70-130
Toluene-d8	108		108		70-130
4-Bromofluorobenzene	111		110		70-130
Dibromofluoromethane	92		91		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2137 SENECA ST. VCP
Project Number: Not Specified

Lab Number: L1902061
Report Date: 01/21/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-08 Batch: WG1199030-3 WG1199030-4								
Methylene chloride	100		110		70-130	10		20
1,1-Dichloroethane	100		110		70-130	10		20
Chloroform	100		110		70-130	10		20
Carbon tetrachloride	95		100		63-132	5		20
1,2-Dichloropropane	99		100		70-130	1		20
Dibromochloromethane	100		100		63-130	0		20
1,1,2-Trichloroethane	110		110		70-130	0		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	94		97		62-150	3		20
1,2-Dichloroethane	100		110		70-130	10		20
1,1,1-Trichloroethane	99		100		67-130	1		20
Bromodichloromethane	97		99		67-130	2		20
trans-1,3-Dichloropropene	100		100		70-130	0		20
cis-1,3-Dichloropropene	99		100		70-130	1		20
Bromoform	100		110		54-136	10		20
1,1,2,2-Tetrachloroethane	110		110		67-130	0		20
Benzene	99		100		70-130	1		20
Toluene	100		110		70-130	10		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	81		83		64-130	2		20
Bromomethane	43		**34**	Q	39-139	**23**	Q	20
Vinyl chloride	120		120		55-140	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2137 SENECA ST. VCP
Project Number: Not Specified

Lab Number: L1902061
Report Date: 01/21/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-08 Batch: WG1199030-3 WG1199030-4								
Chloroethane	**140**	Q	**140**	Q	55-138	0		20
1,1-Dichloroethene	99		100		61-145	1		20
trans-1,2-Dichloroethene	110		110		70-130	0		20
Trichloroethene	98		100		70-130	2		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	100		110		63-130	10		20
p/m-Xylene	105		110		70-130	5		20
o-Xylene	105		105		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	99		100		36-147	1		20
Acetone	71		76		58-148	7		20
Carbon disulfide	120		120		51-130	0		20
2-Butanone	95		100		63-138	5		20
4-Methyl-2-pentanone	100		110		59-130	10		20
2-Hexanone	92		100		57-130	8		20
Bromochloromethane	110		110		70-130	0		20
1,2-Dibromoethane	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	100		110		41-144	10		20
Isopropylbenzene	100		100		70-130	0		20
1,2,3-Trichlorobenzene	91		95		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2137 SENECA ST. VCP
Project Number: Not Specified

Lab Number: L1902061
Report Date: 01/21/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-08 Batch: WG1199030-3 WG1199030-4								
1,2,4-Trichlorobenzene	92		95		70-130	3		20
Methyl Acetate	92		100		70-130	8		20
Cyclohexane	94		97		70-130	3		20
1,4-Dioxane	110		136		56-162	**21**	Q	20
Freon-113	94		99		70-130	5		20
Methyl cyclohexane	90		93		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		100		70-130
Toluene-d8	102		100		70-130
4-Bromofluorobenzene	96		95		70-130
Dibromofluoromethane	96		99		70-130

Project Name: 2137 SENECA ST. VCP
Project Number: Not Specified

Lab Number: L1902061
Report Date: 01/21/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1902061-01A	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1902061-01B	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1902061-01C	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1902061-02A	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1902061-02B	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1902061-02C	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1902061-03A	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1902061-03B	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1902061-03C	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1902061-04A	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1902061-04B	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1902061-04C	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1902061-05A	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1902061-05B	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1902061-05C	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1902061-06A	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1902061-06B	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1902061-06C	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1902061-07A	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1902061-07B	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1902061-07C	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1902061-08A	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1902061-08B	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: 2137 SENECA ST. VCP
Project Number: Not Specified

Lab Number: L1902061
Report Date: 01/21/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)

*Values in parentheses indicate holding time in days

Project Name:	2137 SENECA ST. VCP	**Lab Number:**	L1902061
Project Number:	Not Specified	**Report Date:**	01/21/19

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample¿s toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

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

Terms

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	2137 SENECA ST. VCP	**Lab Number:**	L1902061
Project Number:	Not Specified	**Report Date:**	01/21/19

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

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

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

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

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

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

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

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

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

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name: 2137 SENECA ST. VCP
Project Number: Not Specified
Lab Number: L1902061
Report Date: 01/21/19

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

EPA 6860: SCM: Perchlorate

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

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

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

Westborough Facility:

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

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

Mansfield Facility:

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

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

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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

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

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

Page 1 of 1

Date Rec'd in Lab: 1/17/19

ALPHA Job #: L1902061

Project Information

Project Name: 2137 Seneca St VCP
Project Location: 2137 Seneca St., Buffalo, NY
Project #
(Use Project name as Project #) ☑
Project Manager: Andrew J. Kucserik
ALPHAQuote #:

Turn-Around Time

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

Client Information

Client: Encorus Group
Address: 2745 Broadway
Cheektowaga, NY 14227
Phone: 716-863-2093
Fax:
Email:

Deliverables

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

Regulatory Requirement

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

Billing Information

☐ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC (EPA 8260)							Sample Specific Comments	Total Bottles
02061-01	Well MW-7	1/16/19	13:06	GW	AJ	✓								
-02	" MW-4	↓	15:15	↓	AJ	✓								
-03	" MW-4A	↓	14:50	↓	AJ	✓								
-04	" MW-11	↓	14:04	↓	AJ	✓								
-05	" MW-13	↓	13:42	↓	AJ	✓								
-06	" PZ-A	↓	14:26	↓	AJ	✓								
-07	Duplicate	↓	13:25	↓	AJ	✓								
-08	Trip Blank	↓	11:30	↓	AJ	✓								

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

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

Container Type: VOA
Preservative: HCl

Relinquished By:	Date/Time	Received By:	Date/Time
Andrew J. Kucserik	1/16/19 15:50	B. [signature]	1/16/19 15:50
B. [signature]	1/16/19 @ 15:50	[signature]	1/17/19 0125

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

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

APPENDIX D – PHOTOS

Photo 1: Parking Lot – Looking towards Kingston Place

Photo 2: Well MW-2 (foreground)

Photo 3: Main parking lot (looking northwest)

Photo 4: SVI Roof Vent – Southwest exterior building corner

Photo 5: SVI Roof Vent – Northwest exterior building corner

Photo 6: SVI Roof Vent (left pipe) – Southwest interior building corner