PARTNER

PHASE II SUBSURFACE INVESTIGATION REPORT

Towne Gardens II Apartments
440 Clinton Street
Buffalo, New York 14204

January 7, 2019
Partner Project Number: 18-223391.3

Prepared for:

Akin Gump
1333 New Hampshire Avenue Northwest
Washington, D.C. 20036



Engineers who understand your business

PARTNER

January 7, 2019

Ms. Viktoriia De Las Casas
Akin Gump
1333 New Hampshire Avenue Northwest
Washington, D.C. 20036

Subject: Phase II Subsurface Investigation Report
Towne Gardens II Apartments
440 Clinton Street
Buffalo, New York 14204
Partner Project Number: 18-223391.3
Fannie Mae Loan Number: 8300001942

Dear Ms. De Las Casas:

Partner Assessment Corporation (Partner) is pleased to provide the results of the assessment performed on the above-referenced property. The following report describes the field activities, methods, and findings of the Phase II Subsurface Investigation conducted at the above-referenced property.

This assessment was performed utilizing methods and procedures consistent with good commercial or customary practices designed to conform to acceptable industry standards. The independent conclusions represent Partner's best professional judgment based upon existing conditions and the information and data available to us during the course of this assignment.

We appreciate the opportunity to provide these services. If you have any questions concerning this report, or if we can assist you in any other matter, please contact Summer Gell at (214) 666-6800.

Sincerely,

Partner Assessment Corporation

Jonathan Lokko
Project Scientist

Andres Simonson
Regional Manager - Subsurface Investigations

Summer Gell
Principal

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1.0 INTRODUCTION

1.1 Purpose

The purpose of the investigation was to identify the location of on-site underground storage tanks (USTs), former tankholds, and/or other associated features and to evaluate the potential impact of volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs) and/or metals to soil and/or groundwater as a consequence of a release or releases from the historical on-site operations. Akin Gump provided project authorization of Partner Proposal Number P18-223391.3.

1.2 Limitations

This report presents a summary of work conducted by Partner. The work includes observations of site conditions encountered and the analytical results provided by an independent third party laboratory of samples collected during the course of the project. The number and location of samples were selected to provide the required information. However, it cannot be assumed that the limited available data are representative of subsurface conditions in areas not sampled.

Conclusions and/or recommendations are based on the observations, laboratory analyses, and the governing regulations. Conclusions and/or recommendations beyond those stated and reported herein should not be inferred from this document.

Partner warrants that the environmental consulting services contained herein were accomplished in accordance with generally-accepted practices in the environmental engineering, geology, and hydrogeology fields that existed at the time and location of work. No other warranties are implied or expressed.

1.3 User Reliance

Partner was engaged by Akin Gump (the Addressee), or their authorized representative, to perform this investigation. The engagement agreement specifically states the scope and purpose of the investigation, as well as the contractual obligations and limitations of both parties. This report and the information therein, are for the exclusive use of the Addressee. This report has no other purpose and may not be relied upon, or used, by any other person or entity without the written consent of Partner. Third parties that obtain this report, or the information therein, shall have no rights of recourse or recovery against Partner, its officers, employees, vendors, successors or assigns. Any such unauthorized user shall be responsible to protect, indemnify and hold Partner, the Addressee and their respective officers, employees, vendors, successors and assigns harmless from any and all claims, damages, losses, liabilities, expenses (including reasonable attorneys' fees) and costs attributable to such use. Unauthorized use of this report shall constitute acceptance of, and commitment to, these responsibilities, which shall be irrevocable and shall apply regardless of the cause of action or legal theory pled or asserted.

This report has been completed under specific Terms and Conditions relating to scope, relying parties, limitations of liability, indemnification, dispute resolution, and other factors relevant to any reliance on this report. Any parties relying on this report do so having accepted Partner's standard Terms and Conditions, a copy of which can be found at http: / www.partneresi.com/terms-and-conditions.php

2.0 SITE BACKGROUND

2.1 Site Description

The subject property consists of one 18.08-acre parcel of land located on the north side of Clinton Street, south side of McNeeley Way/Byrd Way, the west side of Jefferson Avenue, and the east side of Hickory Street and two parcels of land totaling 4.52 acres located on the south side of William Street, north side of McNeeley Way/Byrd Way, and the west side of Jefferson Avenue within a mixed residential and commercial area of Buffalo, Erie County, New York. The southern portion of the subject property is currently developed with 36 two-story apartment buildings (14 of which have basements) and one single-story leasing office constructed in 1972 and are occupied by Towne Garden Apartments for multi-family residential use. The northern portion of the subject property is developed with two single-story retail buildings constructed in 1968 and is occupied by Towne Garden Plaza for commercial use. In addition to the structures, the subject property is also improved with asphalt-paved parking areas and associated landscaping.

The subject property is bound by McNeely Way followed by single-family residences along William Street and residence, a vacant lot, Game Star (442 William Street), Cricket Wireless (456 Williams Street), Greater St. Matthew Missionary (450 Williams Street), Cheap Shots (416 Williams Street), and The Crosby Company to the north; Jefferson Street beyond which is Missionary Baptist Church First (467 William Street), a telephone exchange building (299 Jefferson Street), single-family residences, and a grocery and liquor store (279 Jefferson Street) to the east; Clinton Street beyond which is JFK Recreation Center and park (114 Hickory Street), New Covenant United Church of Christ (459 Clinton Street), multi-family residences, and an office building (515 Clinton Street) to the south; and Hickory Street beyond which is an apartment complex (Sussex Court, Bedford Court, Cambridge Court, Oxford Court) to the west. Refer to Figure 1 for a site vicinity map showing site features and surrounding properties.

2.2 Site History

Partner completed a Draft *Phase I Environmental Site Assessment Report* (Phase I), dated September 27, 2018, prepared on behalf of Fannie Mae. According to the reviewed historical sources, the subject property was predominantly developed with residential dwellings as early as 1889; however, several commercial and industrial properties were identified on the subject property, including a church, wagon shop, lumberyard, machine shops, planing mill, and a chair manufacturing company as early as 1889. By 1926, the subject property was improved with a larger chair manufacturing facility, several lumber yards, and refrigerator works. Automotive repair facilities, junkyards, and gasoline filling stations were identified on the subject property as early as 1926 through the mid- to late 1950s. By the early 1960s, the previous improvements were demolished and the entire parcel appeared graded for redevelopment. The current retail structures were developed in 1968 and the residential apartment complex was developed in 1972.

The Phase I identified the following recognized environmental condition (REC) associated with the subject property:

- According to historical sources and the regulatory database, the subject property has been utilized for industrial and commercial purposes from as early as 1889 through 1959. The subject property was formerly occupied by tenants with operations which included cabinet manufacturing, automotive repair, gasoline filling stations, dry cleaning, lumber yards, oil houses, paint storage,

junk yards, machine shops, and scrap metal facilities. Typical industrial operations involve the use of hazardous materials and generate waste containing oils, solvents, and/or heavy metals. In addition, hydraulic fluid utilized in on-site equipment prior to the late 1970s may have contained polychlorinated biphenyls (PCBs). No other information was available regarding the historical operations or associated equipment (in-ground lifts, oil/water separators, dry cleaning machines, etc.). Partner was not provided any subsurface documentation for review and cannot rule out that the potential exists that a release or releases may have resulted in subsurface impacts. Due to the duration of industrial use (approximately 70 years), the unknown operations performed on site, and the likely use of petroleum products and hazardous substances, all prior to modern oversight standards, the historical uses of the subject property represent a REC.

- According to historical fire insurance Sanborn maps, the subject property was identified with a total of nine gasoline tanks situated throughout the subject property. Four tanks were identified at a filling station/junk yard addressed as 534-546 Clinton Street on the southeastern portion of the subject property, two tanks at a former automotive repair facility addressed 456-458 Clinton Street, one tank within the street at 196 Spring Street, one tank within an apparent parking area for a scrap metal facility addressed at 25 Superior Street, and one tank along Jefferson Avenue. It could not be determined if these gasoline tanks were underground or aboveground based on depiction on the map. According to review of records from the City of Buffalo Building Department, the former facility at 534-546 Clinton Street reported two 1,000-gallon gasoline storage tanks installed in 1930, a 550-gallon gasoline tank installed in 1931, a 3,000-gallon gasoline storage tank installed in 1948, and a 4,000-gallon gasoline storage tank installed in 1955 (five total USTs). Further review of city directories revealed this address was occupied by Standard Oil (later SOCONY) for use as a filling station from as early as 1935 through 1955.

  Additional information obtained from the City of Buffalo Building Department indicated that a 1,000-gallon gasoline storage tank was installed in 1926 and a 550-gallon gasoline storage tank was installed in 1928 at 456-458 Clinton Street, which was occupied by a former automotive repair facility. Further, a permit was issued to install a 275-gallon fuel oil tank at 420 Clinton Street; however, no other details were provided or identified for this address and this tank was not observed in the reviewed Sanborn Maps.

  Although several records of installation were identified for these former tanks, no information pertaining to the exact location, removal dates, or construction was available during the Phase I.

  Further, these addresses were not listed in the regulatory database report. Online databases available for the New York State Department of Environmental Conservation (NYSDEC) did not reveal records regarding these tanks and Partner was not provided any subsurface investigations and/or closure reports for review. Based on the lack of subsurface investigation information, closure documents, and the potential environmental impact, the former tanks are considered a REC.

- A former secondary lead smelter occupied approximately 13,000 square-feet on the subject property at this historical address of 29 Superior Street. Secondary lead smelting is the recovery of lead metal and alloys from scrap, including lead-acid batteries, lead cable coverings, plumbing type metal, and wheel weights. Smelting and junkyard businesses, including Lake Erie Smelting Corp.,

operated at the subject property from the 1920s until 1959. The City of Buffalo acquired the property historically known as 23-31 Superior Street in approximately 1960 and maintained ownership of the property until 1968 when it was purchased by the Towne Gardens Housing Development Fund Company. Between 1960 and 1968 the City of Buffalo oversaw demolition of streets and buildings at the property and directed the redevelopment of the property into residential apartment units, which are now part of the Towne Gardens apartment complex.

Given the previous occupancy and on-site operations, the NYSDEC initially assessed the property (pre-2014) and referred the site to the United States Environmental Protection Agency (EPA) for further assessment. In October 2014, September 2015, and November 2016, the EPA Special Projects Branch Pre-Remedial Section conducted a screening consisting of soil sampling at the subject property and locations situated upwind and downwind from the subject property. The soil analytical results identified lead, cobalt, and copper at levels exceeding the respective EPA Removal Management Levels (RMLs). The EPA determined the conditions at the property constituted a threat to public health, welfare, or the environment and determined a removal action at the property was necessary. The EPA recommended the implementation of interim response measures to prevent residents from being exposed to contaminated soil until a Remedial Action Work Plan (RAWP) could be prepared and implemented. The interim response measure was performed at the subject property in August 2016 and included the installation of a layer of earthen ground cover in areas where elevated lead levels were identified at and near the surface.

The subject property voluntarily entered into an Administrative Settlement Agreement and Order on Consent for Removal Action with the EPA to perform removal actions to address the on-site metals. A RAWP was designed to address the potential for residential exposure to shallow soil (0 to 1 foot below ground surface [bgs]) containing levels of lead, cobalt, and copper above the EPA RMLs. The remedial action would involve removing the top 1-foot of soil and replacing it with 6 inches of clean soil, 6 inches of clean topsoil, and finished with sod. A visible demarcation layer was required at the base of the clean soil to designate the vertical limit of the remedial excavation. According to the RAWP, the excavated soil would be excavated and transported off-site for disposal. Areas covered with impermeable surfaces including concrete sidewalks, asphalt parking lots, driveways, and site buildings would not require removal. Remedial activities were scheduled for the second and third quarter of 2018 with a draft report to be submitted to the EPA in October 2018 and final report in November 2018. Based on the determination that lead, copper, and cobalt are located within surface soils at the subject property this listing represents a REC. However, given that the EPA is overseeing the remedial efforts and the scheduled remedial activities, no further investigation is recommended.

2.3 Geology and Hydrogeology

Based on a review of the United States Geological Survey (USGS) *Buffalo NE, New York* Quadrangle topographic map, the subject property is situated at an elevation approximately 596 feet above mean sea level, and the local topography is sloping gently to the southwest. According to topographic map interpretation, the direction of groundwater in the vicinity of the subject property is inferred to flow towards the southwest. Refer to Figure 2 for a topographic map of the site vicinity.

The subject property is situated within the Lake Erie-Ontario Basin physiographic province of the State of New York. The uppermost geologic formation underlying the soils at the subject property is the Middle Devonian Age Urban Land-Schoharle formation.

Based on information obtained from the United States Department of Agriculture (USDA) Natural Resources Conservation Service Web Soil Survey online database, the subject property is mapped as Urban land – Schoharie complex. The Schoharie series consists of very deep, moderately well drained soils formed in clayey lacustrine sediments. They are on glacial lake plains and uplands mantled with lake sediments. Saturated hydraulic conductivity is moderately high or high in the mineral surface and subsurface and low through moderately high in the subsoil and substratum. Slope ranges from 0 through 3 percent.

Based on borings advanced during this investigation, the underlying subsurface consists predominantly of brown silty sand with some gravel from 0.4 feet bgs to approximately 2 feet bgs. From 2 to 12 feet bgs, the subsurface consists predominantly of brown silty clay with varying portions of gravel. From 12 to 20 feet bgs, the subsurface consists predominantly of brown to grayish brown silty clay. Groundwater was encountered during this investigation between 5 and 12 feet bgs.

3.0 FIELD ACTIVITIES

The scope of the Phase II Subsurface Investigation included a geophysical survey and the advancement of 19 borings (B1 through B19) for the collection of representative soil and/or groundwater samples. Refer to Table 1 for a summary of the borings, sampling schedule, and laboratory analyses for this investigation.

3.1 Preparatory Activities

Prior to the initiation of fieldwork, Partner completed the following activities.

3.1.1 Utility Clearance

Nature's Way Environmental (NWE) of Alden, New York, notified Dig Safely New York to clear public utility lines as required by law at least 72 hours prior to drilling activities. Dig Safely New York issued ticket numbers 04098-120-060 for the project.

In addition, Partner subcontracted with Ground Penetrating Radar Systems (GPRS) of Albany, New York on December 4, 2018 to conduct a geophysical survey to clear boring locations of utilities which is discussed below in section 3.2

3.1.2 Health and Safety Plan

Partner prepared a site-specific Health and Safety Plan, which was reviewed with on-site personnel involved in the project prior to the commencement of drilling activities.

3.2 Geophysical Survey

On Dec 4, 2018, GPRS conducted a geophysical survey under the supervision of Partner. The purpose of the geophysical survey was to identify USTs remaining in place and/or backfilled tankholds and clear boring locations of utilities. The geophysical survey was performed using a Geophysical Survey Systems Inc. SIR-3000 cart-mounted Ground Penetrating Radar (GPR) unit with a 400 Mhz antenna, White TM808 Metallic Locator, Metrotech 810 Line Locator, and Radio detection RD4000 precision utility locator.

GPRS systematically free-traversed the identified REC areas of the subject property with the aforementioned equipment. The equipment data was interpreted in real time and compiled as necessary in order to identify subsurface anomalies consistent with USTs, disturbed soil resembling backfilled tankholds, and/or other subsurface conduits/features. The GPR survey did not detect any UST anomalies or related excavations on the subject property. Subsurface utilities including electric, natural gas, storm and waterlines were detected on the exterior portion of the subject property. Based on the findings of the GPR survey, no subsurface utilities were identified within the proposed boring locations.

Refer to Appendix B for a copy of the geophysical survey report, which provides additional details regarding the geophysical survey equipment and methodology.

3.3 Drilling Equipment

On December 4 and 5, 2018, Partner subcontracted with NWE to provide and operate drilling equipment. NWE, under the direction of Partner, advanced nineteen soil borings (B-1 through B-19) with a SIMCO Earthprobe model S200 direct-push rig. Drilling rods and sampling equipment were decontaminated between samples and borings to prevent cross-contamination

3.4 Boring Locations

Borings B-1 and B-2 were advanced in the area of suspected historical machine shop and varnishing operations located on the central portion of the northern parcel of the subject property. Borings B-3 and B-4 were advanced in the area of suspected historical machine shop located on the southeastern portion of the northern parcel of the subject property. Boring B-5 was advanced in the area of suspected historical lumber yard and coal shed located on the central portion of the northern parcel of the subject property. Boring B-6 was advanced in the area of suspected historical junk yard and metal scrapping operations located on the northern portion of the southern parcel of the subject property. Borings B-7 and B-8 were advanced in the area of suspected historical dry cleaner located on the northeastern and eastern portion of the southern parcel of the subject property. Boring B-9 was advanced in the area of suspected historical lumber storage located on the southeastern portion of the southern parcel of the subject property. Borings B-10 through B-12 were advanced in the area of suspected historical filling and automotive service stations located on the southeastern portion of the southern parcel of the subject property. Boring B-13 was advanced in the area of suspected historical oil house and potential coal usage located on the southern portion of the southern parcel of the subject property. Borings B-14 and B-15 were advanced in the area of suspected historical painting and varnishing operations located on the southern portion of the southern parcel of the subject property. Borings B-16 and B-17 were advanced in the area of suspected historical automotive service located on the southern portion of the southern parcel of the subject property. Boring B-18 was advanced in the area of suspected historical UST located on the southcentral portion of the southern parcel of the subject property. Boring B-19 was advanced in the area of suspected historical lumber storage yard located on the central portion of the southern parcel of the subject property. Refer to Figure 3 for a map indicating boring locations.

3.5 Soil Sampling

Borings B-1 through B-19 were each advanced by the direct-push drill rig to terminal depths ranging from 8 feet to 20 feet bgs. The soil borings were advanced using a 4-foot long by 2-inch diameter MacroCore sampler with a 4-foot long acetate liner, which was advanced by the direct-push drill rig using 4-foot long by 1.5-inch diameter drill rods. The samplers were driven into the subsurface to allow undisturbed soil to enter the open MacroCore barrel and retrieved to recover the soil-filled liners. A lengthwise section of each acetate liner was removed with a splitting tool to expose the soil and the samples were collected. The soil column at each boring was visually inspected for discoloration, monitored for odors, and classified in accordance with the Unified Soil Classification System (USCS).

Additionally, the soil column was field-screened with a photoionization detector (PID) calibrated to 100 parts per million (ppm) isobutylene.

Based on borings advanced during this investigation, the underlying subsurface consists predominantly of brown silty sand with some gravels from the ground surface to approximately 2 feet bgs. From 2 to 12 feet bgs, the subsurface consists predominantly of brown silty clay with varying portions of gravel. From 12 to 20 feet bgs, the subsurface consists predominantly of brown to grayish brown silty clay. Groundwater was encountered during this investigation between 5 and 12 feet bgs.

Olfactory evidence of impacted conditions were detected in boring B-18. Elevated PID readings were recorded on the soil profile screened from boring B-18 ranging from 0.2 ppm to 305 ppm. No visual or olfactory evidence of impacted conditions was detected in any of the remaining borings (B-1 through B-17 and B-19).

Soil depths selected for laboratory analysis were sampled directly from the liners using a disposable plastic syringe and retained in two sodium bisulfate-preserved and one methanol volatile organics analysis (VOA) vials in accordance with United States Environmental Protection Agency (EPA) Method 5035 sampling protocol. Additional soil samples were also collected from various borings by transferring soil into a laboratory-supplied, four-ounce, wide mouth, unpreserved glass jars, which were sealed with a threaded, Teflon-lined lid for PAHs, and/or PCBs, Resource Conservation and Recovery Act (RCRA) 8 metals analysis. The jars were filled with soil to capacity to minimize headspace and reduce the potential for volatilization. The jars and VOA vials were labeled for identification and stored in an iced-cooler

Soil samples were collected from the interval of highest PID or observed staining above the groundwater interface or at intervals just above the encountered groundwater interface in the absence of elevated PID readings. Refer to Appendix A for boring logs from this investigation.

3.6 Groundwater Sampling

Temporary groundwater sampling points B-1GW, and B-3GW through B-19GW were installed within borings B-1, and B-3 through B-19, respectively. Each temporary groundwater sampling point consisted of 5 to 10 feet of 1-inch diameter stainless steel screen and 7 to 19 feet risers. Groundwater samples B-1GW, and B3GW through B-18GW were retrieved using new dedicated polyethylene bailers. A groundwater sample was not collected from location B-2 due to poor yield of groundwater in boring B-2.

Groundwater samples from each temporary well was conveyed into three hydrochloric acid-preserved, 40 milliliter (mL) vial jars. Additional groundwater samples were also collected from various temporary wells into a laboratory-supplied, 250 mL amber unpreserved amber jars and 250 mL, unpreserved plastic jars, which were sealed with a threaded, Teflon-lined lid for PAHs, and/or PCBs, RCRA 8 metals analysis. Each vial was filled with no observable headspace or air bubbles to minimize the potential for volatilization, labeled for identification, and stored in an iced-cooler. The jars and VOA vials were labeled for identification and stored in an iced-cooler.

3.7 Post-Sampling Activities

Probes/temporary well points were removed from the subsurface and the boreholes were backfilled with hydrated bentonite chips following sampling activities. Boreholes advanced in improved areas were capped with concrete or asphalt patch to match existing ground cover after being backfilled.

No significant amounts of derived wastes were generated during this investigation.

3.8 Laboratory Analysis

Partner collected nineteen soil samples (B-1 through B-19) from borings B-1 through B-19 and eighteen groundwater samples (B-1GW, B-3GW through B-19GW) from borings B-1, and B-3 through B-19 on December 4 and 5, 2018, which were transported in an iced-cooler under proper chain-of-custody protocol to Alpha Analytical Laboratories (Alpha), of Westborough, Massachusetts, a state-certified laboratory [New York State Department of Environmental Conservation (NYSDEC) Environmental Laboratory Accreditation Program (ELAP) certificate number 11148].

Based on the identified RECs and field observations, seven out of the nineteen soil samples were analyzed, while the remaining twelve soil samples were placed on laboratory hold. The seven soil samples analyzed included samples B-2 (11-12 feet bgs), B-4 (11-12 feet bgs), B-9 (11-12 feet bgs), B-10 (8-9 feet bgs), B-13 (3-4 feet bgs), B-16 (9-10 feet bgs) and B-18 (6-7 feet bgs).

The twelve soil samples placed on hold for analysis included B-1 (10-11 feet bgs), B-3 (10-11 feet bgs), B-5 (6-7 feet bgs) B-6 (10-11 feet bgs) B-7 (7-8 feet bgs), B-8 (6-7 feet bgs), B-11 (11-12 feet bgs), B-12 (5-6 feet bgs), B-14 (9-10 feet bgs), B-15 (7-8 feet bgs),B-17 (2-3 feet bgs) and B-19 (3-4 feet bgs).

Soil samples B-2 and B-4 were analyzed for VOCs in accordance with EPA Method 8260, PAHs in accordance with EPA Method 8270, and RCRA 8 metals in accordance with EPA Methods 6010/7471. B-9 was analyzed for VOCs in accordance with EPA Method 8260, PAHs in accordance with EPA Method 8270, PCBs in accordance with EPA Method 8082, and RCRA 8 metals in accordance with EPA Methods 6010/7471. B-16 was analyzed for VOCs in accordance with EPA Method 8260, PAHs in accordance with EPA Method 8270 and PCBs in accordance with EPA Method 8082. Soil samples B-10, B-13 and B-18 were analyzed for VOCs in accordance with EPA Method 8260 and PAHs in accordance with EPA Method 8270.

Thirteen out of the eighteen groundwater samples were analyzed, while the remaining five groundwater samples were placed on laboratory hold. The thirteen groundwater samples analyzed included samples B-1GW, B-3GW, B-5GW, B-6GW, B-7GW, B-8GW, B-11GW, B-12GW, B-14GW, B-15GW, B-17GW, B-18GW and B-19GW.

The five groundwater samples placed on hold for analysis included B-4GW, B-9GW, B-10GW, B-13GW and B-16GW.

Groundwater samples B-1GW, B-3GW and B-6GW were analyzed for VOCs in accordance with EPA Method 8260, PAHs in accordance with EPA Method 8270 and dissolved (lab-filtered) RCRA 8 metals in accordance with EPA Methods 6010/7471. Groundwater samples B-5GW and B-19GW were analyzed for VOCs in accordance with EPA Method 8260, PAHs in accordance with EPA Method 8270, PCBs in accordance with EPA Method 8082, and dissolved RCRA 8 metals in accordance with EPA Methods 6010/7471. Groundwater samples B-7GW and B-8GW were analyzed for only VOCs in accordance with EPA Method 8260. Groundwater samples B-11GW and B-17GW were analyzed for VOCs in accordance with EPA Method 8260, PAHs in accordance with EPA Method 8270. and PCBs in accordance with EPA Method 8082. Groundwater samples B-12GW, B-14GW, B-15GW and B-18GW were analyzed for VOCs in accordance with EPA Method 8260 and PAHs in accordance with EPA Method 8270.

3.9 Laboratory Analytical Results

Laboratory analytical results are included in Appendix C and discussed below.

3.9.1 Soil Sample Analytical Results

One VOC constituent was detected above the laboratory reporting limits (RLs) in soil sample B-2. Eight VOC constituents were detected above the laboratory RLs in soil sample B-13. Two VOC constituents were detected above the laboratory RLs in soil sample B-16. Fourteen VOC constituents were detected above the laboratory RLs in soil sample B-18.

Five PAH constituents were detected above the laboratory RLs in soil sample B-2. Seven PAH constituents were detected above the laboratory RLs in soil sample B-4. Seventeen PAH constituents were detected above the laboratory RLs in soil sample B-13. Fourteen PAH constituents were detected above the laboratory RLs in soil sample B-16. Six PAH constituents were detected above the laboratory RLs in soil sample B-18.

One PCB constituent was detected above the laboratory RL in soil sample B-16.

Seven RCRA 8 metals were detected above the laboratory RL in soil samples B-2, B-4 and B-9.

All other targeted VOCs, PAHs, PCBs and RCRA 8 metals were not detected above the laboratory RLs in the analyzed soil samples.

Refer to Table 2 for a summary of the soil sample laboratory analysis results.

3.9.2 Groundwater Sample Analytical Results

One VOC constituent was detected above the laboratory RL in groundwater samples B-1GW, B-5GW, B-11GW, B-14GW and B-15GW. Three VOC constituents were detected above the laboratory RLs in groundwater sample B-3GW. Two VOC constituents were detected above the laboratory RLs in groundwater sample B-7GW. Five VOC constituents were detected above the laboratory RLs in groundwater sample B-17GW. Four VOC constituents were detected above the laboratory RLs in groundwater sample B-18GW.

Twelve PAH constituents were detected above the laboratory RLs in groundwater samples B-1GW and B-3GW. Fifteen PAH constituents were detected above the laboratory RLs in groundwater sample B-5GW. Fourteen PAH constituents were detected above the laboratory RLs in groundwater sample B-6GW. Nine PAH constituents were detected above the laboratory RLs in groundwater sample B-11GW. Seventeen PAH constituents were detected above the laboratory RLs in groundwater samples B-12GW, B-17GW and B-19GW. Eighteen PAH constituents were detected above the laboratory RLs in groundwater sample B-14GW Nine PAH constituents were detected above the laboratory RLs in groundwater sample B-15GW. Sixteen PAH constituents were detected above the laboratory RLs in groundwater sample B-18GW.

Two RCRA 8 metals were detected above the laboratory RLs in the groundwater sample B-1GW. Four RCRA 8 metals were detected above the laboratory RLs in the groundwater samples B-3GW and B-5GW. Three RCRA 8 metals were detected above the laboratory RLs in the groundwater sample B-6GW. Five RCRA 8 metals were detected above the laboratory RLs in the groundwater sample B-19GW.

Refer to Table 3 for a summary of the groundwater sample laboratory analysis results.

4.0 DISCUSSION AND CONCLUSIONS

4.1 Regulatory Agency Guidance

Soil

The soil analytical results were compared to the following NYSDEC criteria:

- NYSDEC New York Unrestricted Use Criteria, which represents the most stringent NYSDEC soil criteria;
- NYSDEC Groundwater Criteria which represents the soil screening criteria derived to evaluate soil concentrations that may cause groundwater impact via leaching; and
- NYSDEC Restricted Residential Criteria, which is the soil to human direct contact criteria applicable to the current subject property use.

Groundwater

The groundwater analytical results were compared to the following NYSDEC criteria:

- New York Technical & Operation Guidance Series (TOGS) 1.1.1. Ambient Water Quality Standards (NY-AWQS).

4.2 Discussion

Soil

The soil laboratory results indicated that acetone was detected in soil sample B-13 at a concentration of 0.058 milligrams per kilogram (mg/kg), which is above the corresponding most-stringent NYSDEC Unrestricted Use and soil to groundwater criteria of 0.05 mg/kg; but below the currently applicable criteria for restricted residential use criteria of 100 mg/kg. Acetone is also a common laboratory contaminant. It is Partner's environmental professional experience and opinion that the acetone detected in these soil samples is a laboratory contaminant reflective of sample jar and/or analytical tube cleaning chemicals. Total xylenes was detected in soil sample B-18 at a concentration of 0.48 mg/kg, which is above the corresponding most-stringent NYSDEC Unrestricted Use criteria of 0.26 mg/kg; but below the soil to groundwater criteria of 1.6 mg/kg and the currently applicable criteria for restricted residential use criteria of 100 mg/kg. The 0.48 mg/kg criteria is derived from ecological criteria, which does not appear applicable at this time.

Seven PAH constituents including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene and indeno(1,2,3-cd)pyrene were detected at respective concentrations of 5.1 mg/kg, 4.6 mg/kg, 5.9 mg/kg, 1.8 mg/kg, 5.6 mg/kg, 0.68 mg/kg and 2.6 mg/kg in soil sample B-13 (from depth of 3-4 feet bgs) which are above their corresponding applicable NYSDEC soil criteria. The detected PAHs exceedances from boring B-13 identified in the location of the historical oil and potential coal usage potentially indicate existence of shallow soil impacts and warrants additional soil assessment and potential remediation.

Although screened unsaturated soils from boring B-18 exhibited some petroleum-like odor and elevated PID readings up to 305 ppm at approximately 8 feet bgs (above the groundwater interface), no target VOCs PCBs, PAHs or metals were detected above the most restrictive NYSDEC soil criteria (Unrestricted Use) and

currently applicable residential use soil criteria for the remaining soil samples analyzed during this investigation.

Groundwater

Regarding the groundwater results, PAH constituents including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene and indeno(1,2,3-cd)pyrene were detected at respective concentrations above their corresponding NYSDEC AWQS in the 13 groundwater samples analyzed. Based on Partner's current understanding, groundwater is not used for drinking water. Further, the constituents identified are typically related to fill material and other diffuse source, and are likely higher due to the grab nature of the samples (turbid groundwater). The NYSDEC criteria for these PAHs are extremely conservative and are not practically achievable by commercial laboratory methods. Except for soils at location B-13, evident soil sources of the PAHs were not observed. Therefore, Partner recommends no further investigation at this time with respect to the detected groundwater exceedances.

4.3 Summary and Conclusions

Partner conducted a Phase II Subsurface Investigation at the subject property to indentify the location of on-site USTs, former tankholds, and/or other associated features and to evaluate the potential impact of VOCs, PAHs, PCBs and/or metals to soil and/or groundwater as a consequence of a release or releases from the historical on-site operations. The scope of the Phase II Subsurface Investigation included a geophysical survey to determine the location of on-site USTs, tankholds, and associated features, to clear the boring locations of utilities prior to the drilling, and the advancement of nineteen borings (B-1 through B-19) for the collection and analysis of representative soil and/or groundwater samples.

The GPR survey did not detect any UST anomalies on the subject property. Nineteen borings B-1 through B-19 were in the various targeted RECs on the subject property. Based on borings advanced during this investigation, the underlying subsurface consists predominantly of brown fine sand with varying portions of gravel from the 0.5 feet bgs to approximately 12.0 feet bgs. From 12.0 to 20.0 feet bgs, the subsurface consists predominantly of brown or grayish brown fine sand. Groundwater was encountered in the borings between 6.5 and 13.5 feet bgs during this investigation.

Olfactory evidence of impacted conditions were detected in boring B-18. Elevated PID readings were recorded on the soil profile screened from borings B-18 ranging from 0.2 ppm to 305 ppm. No visual or olfactory evidence of impacted conditions was detected in any of the remaining borings B-1 through B-17 and B-19.

Based on the field observations, seven out of the nineteen soil samples collected were analyzed for VOCs and/or PAHs, PCBs, and RCRA 8 metals. Thirteen out of the eighteen groundwater samples collected were analyzed for VOCs and/or PAHs, PCBs, and RCRA 8 metals.

Results of the soils analyzed detected exceedances of PAH constituents including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene and indeno(1,2,3-cd)pyrene at concentrations in one soil sample B-13 (from depth of 3-4 feet bgs) above their corresponding applicable NYSDEC soil criteria. The detected PAHs exceedances from boring B-13 identified in the location of the historical oil and potential coal usage potentially indicate existence of shallow soil impacts and warrants additional soil assessment and potential remediation.

The groundwater analytical results detected exceedances of PAH constituents including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene and indeno(1,2,3-cd)pyrene at concentrations above their corresponding NYSDEC AWQS in the 13 groundwater samples analyzed. Based on Partner's current understanding, groundwater is not used for drinking purpose. Further, the constituents identified are typically related to fill material and other diffuse source, and are likely higher due to the grab nature of the samples (turbid groundwater). The NYSDEC criteria for these PAHs are extremely conservative and are not practically achievable by commercial laboratory methods. Except for soils at location B-13, evident soil sources of the PAHs were not observed.

Partner recommends no further investigation at this time with respect to the detected groundwater exceedances. However, Partner recommends additional soil assessment and possible remediation of the detected soil impacts within the area of historical oil and potential coal usage located at the southern portion of the subject property.

TABLES

PARTNER

Table 1: Summay of Investigation Scope
Towne Gardens II Apartments
440 Clinton Street
Buffalo, New York 14204
Partner Project Number 18-223391.3
December 4 and 5, 2018

Borehole Identification	Location	Terminal Depth (feet bgs)	Sample Identification	Matrix Sampled	Sampling Depths (feet bgs)	Target Analytes
B-1	Historical Machine Shop and Varnishing Operations (central portion of northern parcel)	16.3	B-1	Soil	10.0 - 11.0	VOCs (8260), PAHs (8270), Metals (6010/7471)
			B-1GW	Groundwater	11.0 - 16.0	
B-2	Historical Machine Shop and Varnishing Operations (central portion of northern parcel)	15.0	B-2	Soil	10.0 - 11.0	VOCs (8260), PAHs (8270), Metals (6010/7471)
B-3	Historical Machine Shop (southeast portion of northern parcel)	17.0	B-3	Soil	10.0 - 11.0	VOCs (8260), PAHs (8270), Metals (6010/7471)
			B-3GW	Groundwater	12.0 - 17.0	
B-4	Historical Machine Shop (southeast portion of northern parcel)	17.0	B-4	Soil	11.0 - 12.0	VOCs (8260), PAHs (8270), Metals (6010/7471)
			B-4GW	Groundwater	12.0 - 17.0	
B-5	Historical Lumber Yard and Coal Shed (central portion of northern parcel)	13.0	B-5	Soil	6.0 - 7.0	VOCs (8260), PAHs (8270), PCBs (8082) Metals (6010/7471)
			B-5GW	Groundwater	8.0 - 13.0	
B-6	Historical Junk Yard/Metal scrapping (northern portion of southern parcel)	16.0	B-6	Soil	10.0 - 11.0	VOCs (8260), PAHs (8270), Metals (6010/7471)
			B-6GW	Groundwater	12.0 - 16.0	
B-7	Potential Former Dry Cleaner (northeastern portion of southern parcel)	12.0	B-7	Soil	7.0 - 8.0	VOCs (8260)
			B-7GW	Groundwater	8.0 - 12.0	
B-8	Potential Former Dry Cleaner (eastern portion of southern parcel)	12.0	B-8	Soil	6.0 - 7.0	VOCs (8260)
			B-8GW	Groundwater	7.0 - 12.0	
B-9	Historical Lumber storage (southeastern portion of southern parcel)	16.2	B-9	Soil	11.0 - 12.0	VOCs (8260), PAHs (8270), PCBs (8082) Metals (6010/7471)
			B-9GW	Groundwater	12.0 - 16.0	
B-10	Historical filling Station (southeastern portion of southern parcel)	16.0	B-10	Soil	8.0 - 9.0	VOCs (8260), PAHs (8270)
			B-10GW	Groundwater	10.0 - 16.0	
B-11	Historical Auto service (southeastern portion of southern parcel)	20.0	B-11	Soil	11.0 - 12.0	VOCs (8260), PAHs (8270), PCBs (8082)
			B-11GW	Groundwater	12.0 - 20.0	
B-12	Historical filling Station (southeastern portion of southern parcel)	12.0	B-12	Soil	5.0 - 6.0	VOCs (8260), PAHs (8270)
			B-12GW	Groundwater	6.0 - 12.0	
B-13	Historical oil house, potential coal usage(southern portion of southern parcel)	12.0	B-13	Soil	3.0 - 4.0	VOCs (8260), PAHs (8270)
			B-13GW	Groundwater	5.0 - 12.0	
B-14	Historical painting and varnishing (southern portion of southern parcel)	18.0	B-14	Soil	9.0 - 10.0	VOCs (8260), PAHs (8270)
			B-14GW	Groundwater	12.0 - 18.0	
B-15	Historical painting and varnishing (southern portion of southern parcel)	18.0	B-15	Soil	7.0 - 8.0	VOCs (8260), PAHs (8270)
			B-15GW	Groundwater	12.0 - 18.0	
B-16	Historical Auto service (southern portion of southern parcel)	17.0	B-16	Soil	9.0 - 10.0	VOCs (8260), PAHs (8270), PCBs (8082)
			B-16GW	Groundwater	11.0 - 17.0	
B-17	Historical Auto service (southern portion of southern parcel)	8.0	B-17	Soil	2.0 - 3.0	VOCs (8260), PAHs (8270), PCBs (8082)
			B-17GW	Groundwater	5.0 - 8.0	
B-18	Historical UST (south central of southern parcel)	17.0	B-18	Soil	6.0 - 7.0	VOCs (8260), PAHs (8270)
			B-18GW	Groundwater	12.0 - 17.0	
B-19	Historical Lumber storage yard (central portion of southern parcel)	12.0	B-19	Soil	3.0 - 4.0	VOCs (8260), PAHs (8270), PCBs (8082), Metals (6010/7471)
			B-19GW	Groundwater	5.0 - 12.0	

Notes:

VOCs (8260) = Volatile Organic Compounds in accordance with EPA Method 8260

PAHs (8270) = Polycyclic Aromatic Hydrocarbons in accordance with EPA Method 8270

PCBs (8082) = Polychlorinated biphenyls in accordance with EPA Method 8082

bgs = below ground surface

Soil samples B-1, B-3, B-5, B-6, B-7, B-8, B-11, B-12, B-14, B-15, B-17 and B-19 were put on hold for analysis

Groundwater samples B-4GW, B-9GW, B-10GW, B-13GW and B-16GW were put on hold for analysis

Table 2: Soil Sample Laboratory Results Summary
Towne Gardens II Apartments
440 Clinton Street
Buffalo, New York 14204
Partner Project Number 18-223391.3
December 4 and 5, 2018

ANALYTE	NY-UNRES	NY-RESGW	NY-RESRR	B-2	B-4	B-9	B-10	B-13	B-16	B-18
Sampling Depths (feet below ground surface)				**10.0-11.0**	**11.0-12.0**	**11.0-12.0**	**8.0-9.0**	**3.0-4.0**	**9.0-10.0**	**6.0-7.0**
VOCs via EPA Method 8260 (mg/kg)										
1,2,4-Trimethylbenzene	3.6	3.6	52	<0.0016	<0.0018	<0.002	<0.0024	0.00069J	<0.0018	0.08J
1,3,5-Trimethylbenzene	8.4	8.4	52	<0.0016	<0.0018	<0.002	<0.0024	0.00034J	<0.0018	0.35
2-Butanone	0.12	0.12	100	<0.0081	<0.0092	<0.01	<0.012	0.012J	0.0034J	<1.4
Acetone	0.05	0.05	100	0.0092	<0.0092	<0.01	<0.012	0.058	0.02	<1.4
Benzene	0.06	0.06	4.8	<0.0004	<0.00046	<0.00051	<0.00059	0.00023J	<0.00046	<0.071
Cyclohexane	NE	NE	NE	<0.0081	<0.0092	<0.01	<0.012	<0.014	<0.0092	12
Ethylbenzene	1	1	41	<0.00081	<0.00092	<0.001	<0.0012	<0.0014	<0.00092	0.9
Isopropylbenzene	NE	NE	NE	<0.00081	<0.00092	<0.001	<0.0012	<0.0014	<0.00092	0.69
Methyl cyclohexane	NE	NE	NE	<0.0032	<0.0037	<0.0041	<0.0048	<0.0055	<0.0037	38
n-Butylbenzene	12	12	100	<0.00081	<0.00092	<0.001	<0.0012	<0.0014	<0.00092	0.98
n-Propylbenzene	3.9	3.9	100	<0.00081	<0.00092	<0.001	<0.0012	<0.0014	<0.00092	1.5
Naphthalene	12	12	100	<0.0032	<0.0037	<0.0041	<0.0048	0.063	<0.0037	0.69
o-Xylene	NE	NE	NE	<0.00081	<0.00092	<0.001	<0.0012	0.00042J	<0.00092	0.11J
p-Isopropyltoluene	NE	NE	NE	<0.00081	<0.00092	<0.001	<0.0012	0.00071J	<0.00092	0.41
p/m-Xylene	NE	NE	NE	<0.0016	<0.0018	<0.002	<0.0024	<0.0028	<0.0018	0.37
sec-Butylbenzene	11	11	100	<0.00081	<0.00092	<0.001	<0.0012	<0.0014	<0.00092	0.38
tert-Butylbenzene	5.9	5.9	100	<0.0016	<0.0018	<0.002	<0.0024	<0.0028	<0.0018	0.022J
Xylenes, Total	0.26	1.6	100	<0.00081	<0.00092	<0.001	<0.0012	0.00042J	<0.00092	0.48J
PAHs via EPA Method 8270 (mg/kg)										
2-Methylnaphthalene	NE	NE	NE	<0.25	<0.24	<0.24	<0.26	0.8	<0.24	0.11J
Acenaphthene	20	98	100	<0.17	<0.16	<0.16	<0.17	1.1	0.024J	<0.16
Acenaphthylene	100	107	100	<0.17	<0.16	<0.16	<0.17	0.83	<0.16	<0.16
Anthracene	100	1000	100	<0.12	<0.12	<0.12	<0.13	2.7	0.051J	<0.12
Benzo(a)anthracene	1	1	1	0.026J	0.072J	<0.12	<0.13	5.1	0.18	0.023J
Benzo(a)pyrene	1	22	1	<0.17	0.07J	<0.16	<0.17	4.6	0.16	<0.16
Benzo(b)fluoranthene	1	1.7	1	<0.12	0.11J	<0.12	<0.13	5.9	0.21	<0.12
Benzo(ghi)perylene	100	1000	100	<0.17	0.056J	<0.16	<0.17	2.4	0.097J	<0.16
Benzo(k)fluoranthene	0.8	1.7	3.9	<0.12	<0.12	<0.12	<0.13	1.8	0.053J	<0.12
Chrysene	1	1	3.9	0.022J	0.096J	<0.12	<0.13	5.6	0.15	<0.12
Dibenzo(a,h)anthracene	0.33	1000	0.33	<0.12	<0.12	<0.12	<0.13	0.68	0.024J	<0.12
Fluoranthene	100	1000	100	0.05J	0.24	<0.12	<0.13	12	0.35	0.064J
Fluorene	30	386	100	<0.21	<0.2	<0.2	<0.21	1.7	0.024J	<0.19
Indeno(1,2,3-cd)pyrene	0.5	8.2	0.5	<0.17	0.062J	<0.16	<0.17	2.6	0.1J	<0.16
Naphthalene	12	12	100	<0.21	<0.2	<0.2	<0.21	1.8	<0.2	0.12J
Phenanthrene	100	1000	100	0.058J	0.12	<0.12	<0.13	12	0.19	0.055J
Pyrene	100	1000	100	0.043J	0.19	<0.12	<0.13	11	0.29	0.046J
PCBs via EPA Method 8082 (mg/kg)										
Aroclor 1260	0.1	3.2	1	NA	NA	<0.041	NA	NA	0.0228J	NA
RCRA 8 Metals via EPA Method 6010/7471 (mg/kg)										
Arsenic, Total	13	16	16	4.3	4.92	8.94	NA	NA	NA	NA
Barium, Total	350	820	400	78.9	86.6	80.5	NA	NA	NA	NA
Cadmium, Total	2.5	7.5	4.3	0.473J	0.443J	0.5	NA	NA	NA	NA
Chromium, Total	NE	NE	NE	15.6	16.1	16.1	NA	NA	NA	NA
Lead, Total	63	450	400	10.4	12.7	10.3	NA	NA	NA	NA
Selenium, Total	3.9	4	180	0.544J	0.471J	0.524J	NA	NA	NA	NA
Silver, Total	2	8.3	180	0.201J	0.16J	0.216J	NA	NA	NA	NA

Notes
NY-RESGW: Groundwater Criteria, New York Restricted use current as of 5/2007
NY-RESRR: Restricted-Residential Criteria, New York Restricted use current as of 5/2007
NY-UNRES: New York Unrestricted use Criteria current as of 5/2007
EPA= Environmental Protection Agency
mg/kg = milligram per kilogram
ND = Not Detected
NE = Not Established
NA = Not analyzed
J = Estimated value. The target analyte concentration detected below laboratory quantitation limit
< = not detected above indicated laboratory reporting limit (RL)
VOCs = Volatile organic compounds
PAHs = Polycyclic aromatic hydrocarbons
PCBs = Polychlorinated biphyenyls
RCRA = Resource Conservation and Recovery Metals
Gray Shade= Laboratory method detection limit (MDL)/reporting limit (RL) exceeds or equal to New York Criteria

Table 3: Groundwater Sample Laboratory Results Summary
Towne Gardens II Apartments
440 Clinton Street
Buffalo, New York 14204
Partner Project Number 18-223391.3
December 4 and 5, 2018

ANALYTE	NY-AWQS	B-1GW	B-3GW	B-5GW	B-6GW	B-7GW	B-8GW	B-11 GW	B-12 GW	B-14 GW	B-15 GW	B-17 GW	B-18 GW	B-19 GW
VOCs via EPA method 8260 (µg/l)														
Acetone	50	5.8	13	2.1J	<5	2J	<5	4J	<5	8.6	6.3	12	9.5	<5
Benzene	1	<0.5	<0.5	<0.5	<0.5	0.53	<0.5	<0.5	<0.5	<0.5	<0.5	0.3J	0.47J	<0.5
Carbon disulfide	60	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	1.1J	<5	<5
Chloroform	7	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	0.74J	<2.5	<2.5
Cyclohexane	NE	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	0.46J	<10
Methyl cyclohexane	NE	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	0.58J	<10
Tetrachloroethene	5	<0.5	0.4J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethene	5	<0.5	0.24J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
PAHs-SIM via EPA method 8270 (µg/l)														
2-Chloronaphthalene	10	<1	<1	<0.21	<1	NA	NA	<0.43	<1.1	0.31J	<0.2	<1	<0.21	<0.21
2-Methylnaphthalene	NE	<0.52	<0.53	0.14	0.6	NA	NA	0.64	0.91	0.51	0.04J	0.27J	0.21	0.18
Acenaphthene	20	<0.52	<0.53	0.04J	<0.53	NA	NA	<0.22	0.15J	0.37	<0.1	0.14J	0.16	0.4
Acenaphthylene	NE	<0.52	<0.53	<0.1	<0.53	NA	NA	<0.22	0.2J	0.34	<0.1	0.12J	<0.1	0.09J
Anthracene	50	<0.52	<0.53	0.02J	0.12J	NA	NA	<0.22	0.51J	0.33	<0.1	0.3J	0.17	0.98
Benzo(a)anthracene	0.002	0.59	0.64	0.02J	2	NA	NA	<0.22	2.8	0.56	0.03J	1.1	0.82	3.8
Benzo(a)pyrene	0.002	0.76	1.8	0.04J	2.3	NA	NA	0.04J	2.5	0.49	0.02J	2	0.93	3.8
Benzo(b)fluoranthene	0.002	1.5	3.2	0.08J	3.5	NA	NA	0.08J	4.2	0.74	0.04J	5.5	1.5	5.7
Benzo(ghi)perylene	NE	0.46J	2.5	0.03J	1.6	NA	NA	<0.22	0.84	0.19J	<0.1	2.3	0.59	1.4
Benzo(k)fluoranthene	0.002	0.58	1.1	0.03J	1.3	NA	NA	0.02J	1.7	0.25	0.01J	1.6	0.49	2.1
Chrysene	0.002	0.84	1.3	0.06J	2.2	NA	NA	0.19J	2.6	0.79	0.03J	1.7	0.98	3.6
Dibenzo(a,h)anthracene	NE	0.1J	0.47J	<0.1	0.41J	NA	NA	<0.22	0.28J	0.06J	<0.1	0.37J	0.12	0.41
Fluoranthene	50	2	1.8	0.17	3.2	NA	NA	0.08J	5.6	1.2	0.05J	3.5	2.5	7.6
Fluorene	50	<0.52	<0.53	0.04J	<0.53	NA	NA	<0.22	0.19J	0.43	<0.1	0.15J	0.16	0.44
Indeno(1,2,3-cd)pyrene	0.002	0.54	2.3	0.02J	1.7	NA	NA	<0.22	0.97	0.22	<0.1	2.4	0.66	1.8
Naphthalene	10	1.8	1.9	1.4	2.5	NA	NA	2.1	7.2	5.6	<0.1	1.8	2.8	1.7
Phenanthrene	50	0.32J	0.62	0.16	0.51J	NA	NA	0.08J	2.4	1.1	0.06J	1.4	1.1	4.4
Pyrene	50	1.6	1.6	0.15	3.6	NA	NA	0.12J	4.9	1.2	0.05J	3	2	6.1
PCBs via EPA method 8082 (µg/l)														
Total PCBs		NA	NA	ND	NA	NA	NA	ND	NA	NA	NA	ND	NA	ND
RCRA 8 Metals via EPA method 6010/7471 (µg/l)														
Arsenic, Dissolved	25	2.29	7.36	6.18	5.07	NA	NA	NA	NA	NA	NA	NA	NA	0.65
Barium, Dissolved	1000	147.1	260.2	264.8	47.94	NA	NA	NA	NA	NA	NA	NA	NA	233.6
Cadmium, Dissolved	5	<0.2	<0.2	<0.2	<0.2	NA	NA	NA	NA	NA	NA	NA	NA	0.29
Chromium, Dissolved	50	<1	0.44	0.52J	0.21J	NA	NA	NA	NA	NA	NA	NA	NA	0.86J
Lead, Dissolved	25	<1	0.46J	0.43J	<1	NA	NA	NA	NA	NA	NA	NA	NA	4.22

Notes:
NY-AWQS=New York TOGS 111 Ambient Water Quality Standards criteria reflects all addendum to criteria through June 2004.
VOCs = Volatile organic compounds
PAHs = Polycyclic aromatic hydrocarbons
NE = Not Established
NA = Not Analyzed
J = Estimated value. The target analyte concentration detected below laboratory qua
PCBs = Polychlorinated biphenyls
RCRA = Resource Conservation and Recovery Metals
µg/l = micrograms per liter
EPA = United States Environmental Protection Agency
ND = Not Detected

FIGURES

PARTNER



Legend

Subject Property Building

Former Tank Locations (Approximate)

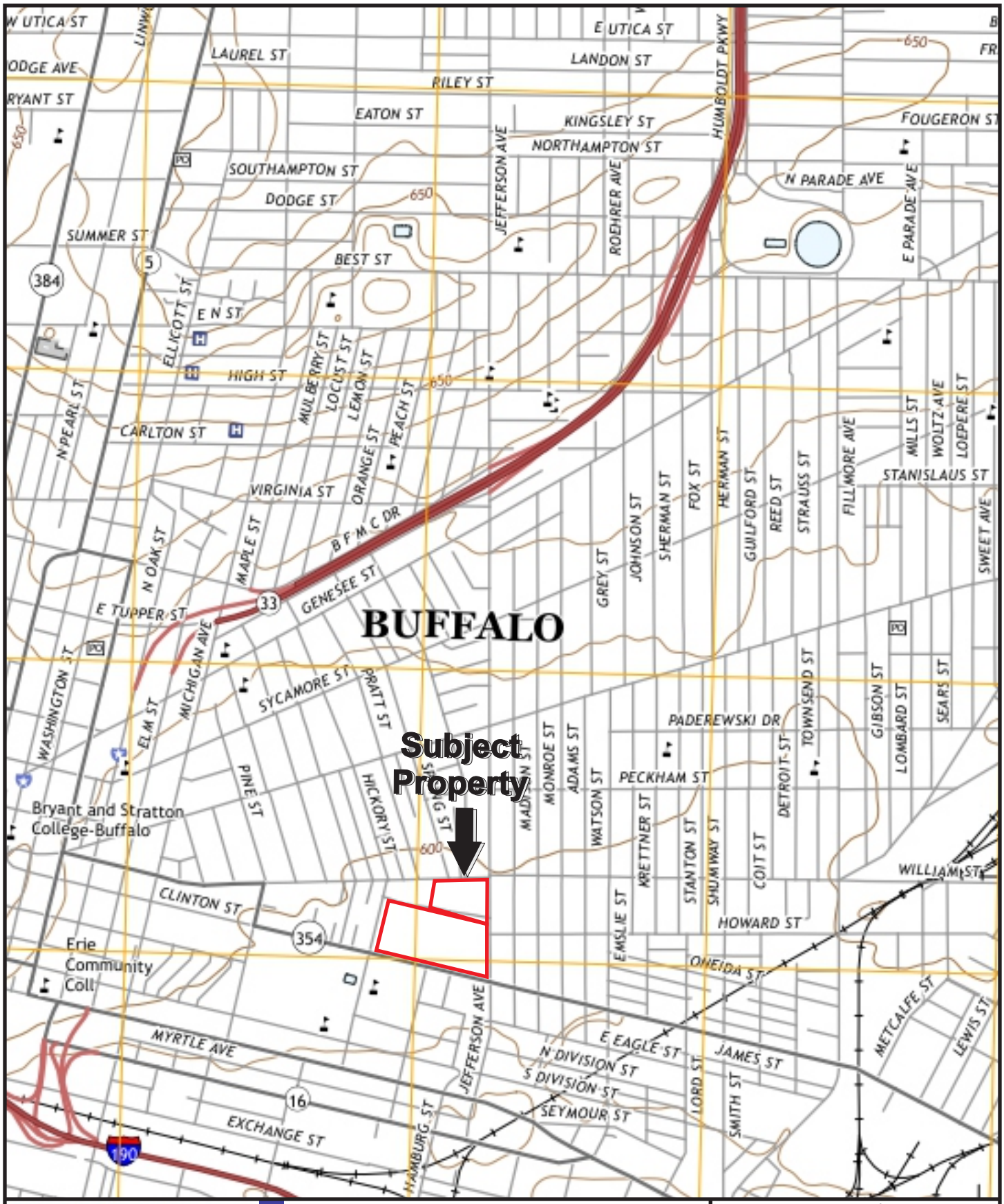
PARTNER
362 Fifth Avenue, Suite 501
New York, New York 10001

Project Number: 18-223391.3

Site Vicinity Map

Figure	Prepared By	Date
1	J. Lokko	Dec 2018

440 Clinton Street
Buffalo, New York 14204



PARTNER

362 Fifth Avenue, Suite 501
New York, New York 10001

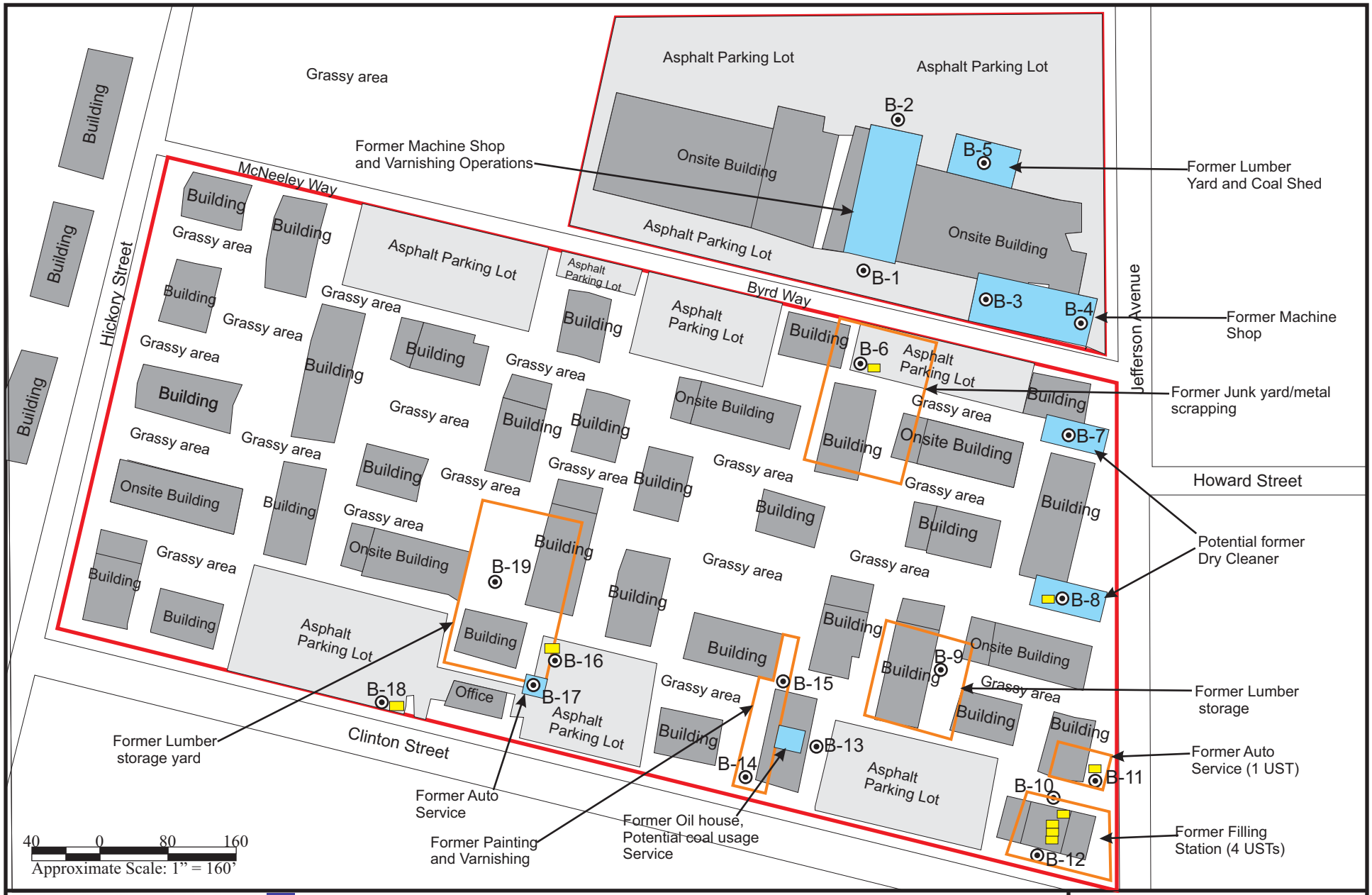
Project Number: 18-223391.3

USGS *Buffalo NE, NY* Quadrangle
Version: 2016

Topographic Map

Figure	Prepared By	Date
2	J. Lokko	Dec 2018

440 Clinton Street
Buffalo, New York 14204



Legend

N

Subject Property Building

Boring/ Sample Location

Suspected Historical UST Locations

PARTNER
362 Fifth Avenue, Suite 501
New York, New York 10001

Project Number: 18-223391.3

Sample Location Map

Figure	Prepared By	Date
3	J. Lokko	Dec 2018

440 Clinton Street
Buffalo, New York 14204

APPENDIX A: BORING LOGS

PARTNER

Boring Number:	**B-1**		Page 1 of 1
Location:	Former machine shop and varnishing operations (central portion of northern parcel)	Date Started:	12/4/2018
Site Address:	440 Clinton Street	Date Completed:	12/4/2018
	Buffalo, New York 14204	Depth to Groundwater:	11.0 ft
Project Number:	15-140446.3	Field Technician:	Jonathan Lokko
Drill Rig Type:	Simco Earth Probe S-200	**Partner Assessment Corporation**	
Sampling Equipment:	4 ft Macrocores	362 Fifth Avenue, Suite 501	
Borehole Diameter:	2 inch	New York, New YorkJ 10001	

Depth	Sample	PID	USCS	Description	Notes
0.5		0.0		Asphalt and gravel	4.0 ft recovery. No petroleum-like odor or staining observed
1		0.0	CL	Brown silty Clay with some gravel and bricks	
2		0.0			
3		0.0			
4		0.0	CL	Brown silty Clay with some gravel	
5		0.0	CL	Brown silty Clay, moist from 7-8 feet	4.0 ft recovery. No petroleum-like odors or staining observed
6		0.0			
7		0.0			
8		0.0			
9		0.0	CL	Brown hard Silty Clay, moist at 8-9 feet	4.0 ft recovery. No petroleum-like odors or staining observed
10		0.0			
11	B-1	0.0			Soil sample B-1 collected at 10:25 from interval of 10.0 to 11.0 ft bgs
12		0.0			
13		0.0	CL	Grayish brown hard Silty Clay, wet at 12-16 feet	4.0 ft recovery. No petroleum-like odors or staining observed
14		0.0			
15		0.0			
16		0.0			
16.3		0.0			
				Boring terminated at 16.3 ft bgs due to probe refusal	Boring converted to temporary well point; screened from 11.0 to 16.3 ft bgs. GW sample B-1GW collected at 11:50

Boring Number:	**B-2**				Page 1 of 1
Location:	Former machine shop and varnishing operations (central portion of northern parcel)			Date Started:	12/4/2018
Site Address:	440 Clinton Street			Date Completed:	12/4/2018
	Buffalo, New York 14204			Depth to Groundwater:	11.0 ft
Project Number:	15-140446.3			Field Technician:	Jonathan Lokko
Drill Rig Type:	Simco Earth Probe S-200			**Partner Assessment Corporation**	
Sampling Equipment:	4 ft Macrocores			362 Fifth Avenue, Suite 501	
Borehole Diameter:	2 inch			New York, New YorkJ 10001	

Depth	Sample	PID	USCS	Description	Notes
0.5		0.0		Asphalt and gravel	2.0 ft recovery. No petroleum-like odor or staining observed
1		0.0	CL	Brown silty Clay with some gravel and bricks	
2		0.0			
3		0.0			
4		0.0	CL	Brown silty Clay with some gravel	
5		0.0	CL	Brown silty Clay	4.0 ft recovery. No petroleum-like odors or staining observed
6		0.0			
7		0.0			
8		0.0			
9		0.0	CL	Brown hard Silty Clay	4.0 ft recovery. No petroleum-like odors or staining observed Soil sample B-2 collected at 14:00 from interval of 10.0 to 11.0 ft bgs
10		0.0			
11	B-2	0.0			
12		0.0			
13		0.0	CL	CLBrown hard Silty Clay, moist at 12-15 feet	2.0 ft recovery. No petroleum-like odors or staining observed
14		0.0			
15		0.0			
				Boring terminated at 15.0 ft bgs due to probe refusal	

Boring Number:	**B-3**		Page 1 of 1
Location:	Former machine shop (southeastern portion of northern parcel)	Date Started:	12/4/2018
Site Address:	440 Clinton Street	Date Completed:	12/4/2018
	Buffalo, New York 14204	Depth to Groundwater:	11.0 ft
Project Number:	15-140446.3	Field Technician:	Jonathan Lokko
Drill Rig Type:	Simco Earth Probe S-200	**Partner Assessment Corporation**	
Sampling Equipment:	4 ft Macrocores	362 Fifth Avenue, Suite 501	
Borehole Diameter:	2 inch	New York, New YorkJ 10001	

Depth	Sample	PID	USCS	Description	Notes
0.5		0.0		Asphalt and gravel	3.2 ft recovery. No petroleum-like odor or staining observed
1		0.0	CL	Brown silty Clay with some gravel and bricks	
2		0.0			
3		0.0			
4		0.0	CL	Brown silty Clay with some gravel	
5		0.0	CL	Brown silty Clay, moist from 7-8 feet	4.0 ft recovery. No petroleum-like odors or staining observed
6		0.0			
7		0.0			
8		0.0			
9		0.1	CL	Brown hard Silty Clay, moist at 8-9 feet	4.0 ft recovery. No petroleum-like odors or staining observed Soil sample B-3 collected at 11:30 from interval of 10.0 to 11.0 ft bgs
10		0.4			
11	B-3	1.5			
12		0.5			
13		0.4	CL	Grayish brown hard Silty Clay, wet at 12-16 feet	4.0 ft recovery. No petroleum-like odors or staining observed
14		0.1			
15		0.0			
16		0.0			
17		0.0			
				Boring terminated at 17.0 ft bgs due to probe refusal	Boring converted to temporary well point; screened from 11.0 to 17.0 ft bgs. GW sample B-3GW collected at 12:00

Boring Number:	**B-4**		Page 1 of 1
Location:	Former machine shop (southeast portion of northern parcel)	Date Started:	12/4/2018
Site Address:	440 Clinton Street	Date Completed:	12/4/2018
	Buffalo, New York 14204	Depth to Groundwater:	12.5 ft
Project Number:	15-140446.3	Field Technician:	Jonathan Lokko
Drill Rig Type:	Simco Earth Probe S-200	**Partner Assessment Corporation**	
Sampling Equipment:	4 ft Macrocores	362 Fifth Avenue, Suite 501	
Borehole Diameter:	2 inch	New York, New YorkJ 10001	

Depth	Sample	PID	USCS	Description	Notes
0.4		0.0		Asphalt and gravel	
1		0.0	CL	Brown silty Clay with some gravel	3.0 ft recovery. No petroleum-like odor or staining observed
2		0.0			
3		0.0			
4		0.0			
5		0.0	CL	Brown silty Clay	4.0 ft recovery. No petroleum-like odors or staining observed
6		0.0			
7		0.0			
8		0.0			
9		0.0	CL	Brown hard Silty Clay	4.0 ft recovery. No petroleum-like odors or staining observed
10		0.0			
11		0.0			
12	B-4	0.0			Soil sample B-4 collected at 12:30 from interval of 11.0 to 12.0 ft bgs
13		0.0	CL	Grayish brown hard Silty Clay, wet at 12-17 feet	4.0 ft recovery. No petroleum-like odors or staining observed
14		0.0			
15		0.0			
16		0.0			
17		0.0			
				Boring terminated at 17.0 ft bgs due to probe refusal	Boring converted to temporary well point; screened from 12.0 to 17.0 ft bgs. GW sample B-4GW collected at 12:50

Boring Number:	**B-5**		Page 1 of 1
Location:	Former lumber yard and coal shed (central portion of northern parcel)	Date Started:	12/4/2018
Site Address:	440 Clinton Street	Date Completed:	12/4/2018
	Buffalo, New York 14204	Depth to Groundwater:	8.0 ft
Project Number:	15-140446.3	Field Technician:	Jonathan Lokko
Drill Rig Type:	Simco Earth Probe S-200	**Partner Assessment Corporation**	
Sampling Equipment:	4 ft Macrocores	362 Fifth Avenue, Suite 501	
Borehole Diameter:	2 inch	New York, New YorkJ 10001	

Depth	Sample	PID	USCS	Description	Notes
0.6		0.0		Asphalt and gravel	
1		0.0	CL	Brown silty Clay	4.0 ft recovery. No petroleum-like odor or staining observed
2		0.0			
3		0.0			
4		0.0			
5		0.0	CL	Brown silty Clay	4.0 ft recovery. No petroleum-like odors or staining observed
6		0.0			
7	B-5	0.0			Soil sample B-5 collected at 13:30 from interval of 6.0 to 7.0 ft bgs
8		0.0			
9		0.0	CL	Brown hard Silty Clay, wet	4.0 ft recovery. No petroleum-like odors or staining observed
10		0.0			
11		0.0			
12		0.0			
13		0.0	CL	Grayish brown hard Silty Clay, wet	1.0 ft recovery. No petroleum-like odors or staining observed
				Boring terminated at 13.0 ft bgs due to probe refusal	Boring converted to temporary well point; screened from 8.0 to 13.0 ft bgs. GW sample B-5GW collected at 13:45

Boring Number:	**B-6**		Page 1 of 1
Location:	Former junk yard/metal scraping (northern portion of southern parcel)	Date Started:	12/4/2018
Site Address:	440 Clinton Street	Date Completed:	12/4/2018
	Buffalo, New York 14204	Depth to Groundwater:	12.5 ft
Project Number:	15-140446.3	Field Technician:	Jonathan Lokko
Drill Rig Type:	Simco Earth Probe S-200	**Partner Assessment Corporation**	
Sampling Equipment:	4 ft Macrocores	362 Fifth Avenue, Suite 501	
Borehole Diameter:	2 inch	New York, New YorkJ 10001	

Depth	Sample	PID	USCS	Description	Notes
0.5		0.0		Asphalt and gravel	
1		0.0	CL	Brown silty Clay with some gravel	2.0 ft recovery. No petroleum-like odor or staining observed
2		0.0			
3		0.0			
4		0.0			
5		0.0	CL	Brown silty Clay	4.0 ft recovery. No petroleum-like odors or staining observed
6		0.0			
7		0.0			
8		0.0			
9		0.0	CL	Brown hard silty Clay	4.0 ft recovery. No petroleum-like odors or staining observed
10		0.0			
11	B-6	0.0			Soil sample B-6 collected at 15:00 from interval of 10.0 to 11.0 ft bgs
12		0.0			
13		0.0	CL	Grayish brown hard silty Clay, saturated at 12-16 feet	4.0 ft recovery. No petroleum-like odors or staining observed
14		0.0			
15		0.0			
16		0.0			
				Boring terminated at 16.0 ft bgs due to probe refusal	Boring converted to temporary well point; screened from 11.0 to 16.0 ft bgs. GW sample B-6GW collected at 15:10

Boring Number:	**B-7**		Page 1 of 1
Location:	Potential former dry cleaner (northeast portion of southern parcel)	Date Started:	12/4/2018
Site Address:	440 Clinton Street	Date Completed:	12/4/2018
	Buffalo, New York 14204	Depth to Groundwater:	8.5 ft
Project Number:	15-140446.3	Field Technician:	Jonathan Lokko
Drill Rig Type:	Simco Earth Probe S-200	**Partner Assessment Corporation**	
Sampling Equipment:	4 ft Macrocores	362 Fifth Avenue, Suite 501	
Borehole Diameter:	2 inch	New York, New YorkJ 10001	

Depth	Sample	PID	USCS	Description	Notes
1		0.0	SM	Dark brown silty Sand	3.0 ft recovery. No petroleum-like odor or staining observed
2		0.0	CL	Brown silty Clay with gravel	
3		0.0			
4		0.0			
5		0.0	CL	Brown silty Clay	3.0 ft recovery. No petroleum-like odors or staining observed
6		0.0			
7		0.0			
8	B-7	0.0			Soil sample B-7 collected at 15:55 from interval of 7.0 to 8.0 ft bgs
9		0.0	CL	Brown hard Silty Clay, saturated	3.0 ft recovery. No petroleum-like odors or staining observed
10		0.0			
11		0.0			
12		0.0			
				Boring terminated at 12.0 ft bgs due to probe refusal	Boring converted to temporary well point; screened from 7.0 to 12.0 ft bgs. GW sample B-7GW collected at 16:00

Boring Number:	**B-8**		Page 1 of 1
Location:	Potential former dry cleaner (eastern portion of southern parcel)	Date Started:	12/4/2018
Site Address:	440 Clinton Street	Date Completed:	12/4/2018
	Buffalo, New York 14204	Depth to Groundwater:	7.5 ft
Project Number:	15-140446.3	Field Technician:	Jonathan Lokko
Drill Rig Type:	Simco Earth Probe S-200	**Partner Assessment Corporation**	
Sampling Equipment:	4 ft Macrocores	362 Fifth Avenue, Suite 501	
Borehole Diameter:	2 inch	New York, New YorkJ 10001	

Depth	Sample	PID	USCS	Description	Notes
1		0.0	SM	Dark brown silty Sand	3.0 ft recovery. No petroleum-like odor or staining observed
2		0.0	SM	Brown silty Sand with gravel, bricks and some rock fragments	
3		0.0			
4		0.0			
5		0.0	SM	Dark brown silty Sand with gravel	2.0 ft recovery. No petroleum-like odors or staining observed
6		0.0			
7	B-8	0.0			Soil sample B-8 collected at 16:15 from interval of 6.0 to 7.0 ft bgs
8		0.0			
9		0.0	CL	Brown hard Silty Clay, saturated	4.0 ft recovery. No petroleum-like odors or staining observed
10		0.0			
11		0.0			
12		0.0			
				Boring terminated at 12.0 ft bgs due to probe refusal	Boring converted to temporary well point; screened from 7.0 to 12.0 ft bgs. GW sample B-8GW collected at 16:20

Boring Number:	**B-9**		Page 1 of 1
Location:	Former lumber storage (southeast portion of southern parcel)	Date Started:	12/4/2018
Site Address:	440 Clinton Street	Date Completed:	12/4/2018
	Buffalo, New York 14204	Depth to Groundwater:	12.8 ft
Project Number:	15-140446.3	Field Technician:	Jonathan Lokko
Drill Rig Type:	Simco Earth Probe S-200	**Partner Assessment Corporation**	
Sampling Equipment:	4 ft Macrocores	362 Fifth Avenue, Suite 501	
Borehole Diameter:	2 inch	New York, New YorkJ 10001	

Depth	Sample	PID	USCS	Description	Notes
1		0.0	SM	Brown silty Sand	3.0 ft recovery. No petroleum-like odor or staining observed
2		0.0	CL	Brown silty Clay	
3		0.0			
4		0.0			
5		0.0	CL	Brown silty Clay	4.0 ft recovery. No petroleum-like odors or staining observed
6		0.0			
7		0.0			
8		0.0			
9		0.0	CL	Brown hard silty Clay	4.0 ft recovery. No petroleum-like odors or staining observed
10		0.0			
11		0.0			
12	B-9	0.0			Soil sample B-9 collected at 16:50 from interval of 11.0 to 12.0 ft bgs
13		0.0	CL	Grayish brown hard silty Clay, wet at 12-16.2 feet	4.0 ft recovery. No petroleum-like odors or staining observed
14		0.0			
15		0.0			
16		0.0			
16.2		0.0			
				Boring terminated at 16.2 ft bgs due to probe refusal	Boring converted to temporary well point; screened from 11.2 to 16.2 ft bgs. GW sample B-9GW collected at 17:00

Boring Number:	**B-10**		Page 1 of 1
Location:	Former filling station (southeastern portion of southern parcel)	Date Started:	12/5/2018
Site Address:	440 Clinton Street	Date Completed:	12/5/2018
	Buffalo, New York 14204	Depth to Groundwater:	12.0 ft
Project Number:	15-140446.3	Field Technician:	Jonathan Lokko
Drill Rig Type:	Simco Earth Probe S-200	**Partner Assessment Corporation**	
Sampling Equipment:	4 ft Macrocores	362 Fifth Avenue, Suite 501	
Borehole Diameter:	2 inch	New York, New YorkJ 10001	

Depth	Sample	PID	USCS	Description	Notes
1		0.0	SM	Brown silty Sand	
2		0.0	CL	Brown silty Clay	4.0 ft recovery. No petroleum-like odor or staining observed
3		0.0			
4		0.0			
5		0.0	CL	Brown silty Clay	4.0 ft recovery. No petroleum-like odors or staining observed
6		0.0			
7		0.4			
8		0.6			
9	B-10	0.9	CL	Brown hard silty Clay	Soil sample B-10 collected at 8:20 from interval of 8.0 to 9.0 ft bgs
10		0.3			4.0 ft recovery. No petroleum-like odors or staining observed
11		0.1			
12		0.0			
13		0.0	CL	Grayish brown hard silty Clay, wet at 12-16 feet	3.0 ft recovery. No petroleum-like odors or staining observed
14		0.0			
15		0.0			
16		0.0			
				Boring terminated at 16.0 ft bgs due to probe refusal	Boring converted to temporary well point; screened from 11.0 to 16.0 ft bgs. GW sample B-10GW collected at 8:30

Boring Number:	**B-11**		Page 1 of 1
Location:	Former Auto service (southeastern portion of southern parcel)	Date Started:	12/5/2018
Site Address:	440 Clinton Street	Date Completed:	12/5/2018
	Buffalo, New York 14204	Depth to Groundwater:	12.6 ft
Project Number:	15-140446.3	Field Technician:	Jonathan Lokko
Drill Rig Type:	Simco Earth Probe S-200	**Partner Assessment Corporation**	
Sampling Equipment:	4 ft Macrocores	362 Fifth Avenue, Suite 501	
Borehole Diameter:	2 inch	New York, New YorkJ 10001	

Depth	Sample	PID	USCS	Description	Notes
1		0.0	SM	Brown silty Sand	
2		0.0	CL	Brown silty Clay	3.0 ft recovery. No petroleum-like odor or staining observed
3		0.0			
4		0.0			
5		0.0	CL	Brown silty Clay	4.0 ft recovery. No petroleum-like odors or staining observed
6		0.0			
7		0.0			
8		0.0			
9		0.0	CL	Brown hard silty Clay	4.0 ft recovery. No petroleum-like odors or staining observed
10		0.0			
11		0.0			
12	B-11	0.0			Soil sample B-11 collected at 8:50 from interval of 11.0 to 12.0 ft bgs
13		0.0	CL	Brown hard silty Clay, wet	4.0 ft recovery. No petroleum-like odors or staining observed
14		0.0			
15		0.0			
16		0.0			
17		0.0	CL	Grayish brown hard silty Clay, wet	4.0 ft recovery. No petroleum-like odors or staining observed
18		0.0			
19		0.0			
20		0.0			
				Boring terminated at 20 ft bgs	Boring converted to temporary well point; screened from 10 to 20 ft bgs. GW sample B-11GW collected at 10:15

Boring Number:	**B-12**		Page 1 of 1
Location:	Former filling station (southeastern portion of southern parcel)	Date Started:	12/5/2018
Site Address:	440 Clinton Street	Date Completed:	12/5/2018
	Buffalo, New York 14204	Depth to Groundwater:	7.0 ft
Project Number:	15-140446.3	Field Technician:	Jonathan Lokko
Drill Rig Type:	Simco Earth Probe S-200	**Partner Assessment Corporation**	
Sampling Equipment:	4 ft Macrocores	362 Fifth Avenue, Suite 501	
Borehole Diameter:	2 inch	New York, New YorkJ 10001	

Depth	Sample	PID	USCS	Description	Notes
1		0.0	SM	Brown silty Sand	2.0 ft recovery. No petroleum-like odor or staining observed
2		0.0		Wooden debris	
3		0.0	CL	Brown silty Clay	
4		0.0			
5		0.0	CL	Brown silty Clay	Soil sample B-12 collected at 10:40 from interval of 5.0 to 6.0 ft bgs
6	B-12	0.0			
7		0.0		Grayish brown silty Clay, wet	4.0 ft recovery. No petroleum-like odors or staining observed
8		0.0			
9		0.0	CL	Grayish brown silty Clay, saturated	4.0 ft recovery. No petroleum-like odors or staining observed
10		0.0			
11		0.0			
12		0.0			
				Boring terminated at 12 ft bgs due to probe refusal	Boring converted to temporary well point; screened from 7 to 12 ft bgs. GW sample B-12GW collected at 10:45

Boring Number:	**B-13**		Page 1 of 1
Location:	Former oil house, potential coal usage (southern portion of southern parcel)	Date Started:	12/5/2018
Site Address:	440 Clinton Street	Date Completed:	12/5/2018
	Buffalo, New York 14204	Depth to Groundwater:	5.0 ft
Project Number:	15-140446.3	Field Technician:	Jonathan Lokko
Drill Rig Type:	Simco Earth Probe S-200	**Partner Assessment Corporation**	
Sampling Equipment:	4 ft Macrocores	362 Fifth Avenue, Suite 501	
Borehole Diameter:	2 inch	New York, New YorkJ 10001	

Depth	Sample	PID	USCS	Description	Notes
1		0.5	SM	Brown silty Sand	3.0 ft recovery. No petroleum-like odor observed
2		0.7		Brown silty Sand with bricks	
3		1.9			
4	B-13	2.4		Dark brown silty Sand with gravel, stained	Soil sample B-13 collected at 11:20 from interval of 3.0 to 4.0 ft bgs
5		0.5	SM	Dark brown silty Sand with gravel and wooden debris, stained	3.0 ft recovery. No petroleum-like odors observed
6		0.5			
7		0.5			
8		0.7	CL	Grayish brown silty Clay with gravel	
9		0.4	CL	Grayish brown silty Clay, saturated	4.0 ft recovery. No petroleum-like odors or staining observed
10		0.4			
11		0.2			
12		0.0			
				Boring terminated at 12 ft bgs	Boring converted to temporary well point; screened from 2 to 12 ft bgs. GW sample B-13GW collected at 11:25

Boring Number:	**B-14**		Page 1 of 1
Location:	Former painting and varnishing operations (southern portion of southern parcel)	Date Started:	12/5/2018
Site Address:	440 Clinton Street	Date Completed:	12/5/2018
	Buffalo, New York 14204	Depth to Groundwater:	12.0 ft
Project Number:	15-140446.3	Field Technician:	Jonathan Lokko
Drill Rig Type:	Simco Earth Probe S-200	**Partner Assessment Corporation**	
Sampling Equipment:	4 ft Macrocores	362 Fifth Avenue, Suite 501	
Borehole Diameter:	2 inch	New York, New YorkJ 10001	

Depth	Sample	PID	USCS	Description	Notes
1		0.0	SM	Brown silty Sand	
2		0.0	CL	Brown sillty Sand with gravel, concrete and bricks	3.0 ft recovery. No petroleum-like odor or staining observed
3		0.0		Brown silty Clay	
4		0.0			
5		0.2	CL	Brown silty Clay	4.0 ft recovery. No petroleum-like odors or staining observed
6		0.2			
7		0.3			
8		0.5			
9		0.7	CL	Brown hard silty Clay	Soil sample B-14 collected at 11:45 from interval of 9.0 to 10.0 ft bgs 4.0 ft recovery. No petroleum-like odors or staining observed
10	B-14	0.7			
11		0.1			
12		0.1			
13		0.1	CL	Brown hard silty Clay, wet	3.0 ft recovery. No petroleum-like odors or staining observed
14		0.0			
15		0.0			
16		0.0			
17		0.0	CL	Grayish brown hard silty Clay, wet	2.0 ft recovery. No petroleum-like odors or staining observed
18		0.0			
				Boring terminated at 18 ft bgs due to probe refusal	Boring converted to temporary well point; screened from 8 to 18 ft bgs. GW sample B-14GW collected at 11:55

Boring Number:	**B-15**		Page 1 of 1
Location:	Former painting and varnishing operations (southern portion of southern parcel)	Date Started:	12/5/2018
Site Address:	440 Clinton Street	Date Completed:	12/5/2018
	Buffalo, New York 14204	Depth to Groundwater:	12.0 ft
Project Number:	15-140446.3	Field Technician:	Jonathan Lokko
Drill Rig Type:	Simco Earth Probe S-200	**Partner Assessment Corporation**	
Sampling Equipment:	4 ft Macrocores	362 Fifth Avenue, Suite 501	
Borehole Diameter:	2 inch	New York, New YorkJ 10001	

Depth	Sample	PID	USCS	Description	Notes
1		0.0	SM	Brown silty Sand	
2		0.0	CL	Dark brown sillty Sand with gravel, some staining	3.0 ft recovery. No petroleum-like odor observed
3		0.0		Brown silty Clay with some bricks	
4		0.0			
5		0.2	CL	Brown silty Clay	4.0 ft recovery. No petroleum-like odors or staining observed
6		0.2			
7		0.2			
8	B-15	0.5			Soil sample B-15 collected at 12:45 from interval of 7.0 to 8.0 ft bgs
9		0.0	CL	Brown silty Clay	4.0 ft recovery. No petroleum-like odors or staining observed
10		0.0			
11		0.0			
12		0.0			
13		0.0	CL	Grayish brown silty Clay, wet	3.0 ft recovery. No petroleum-like odors or staining observed
14		0.0			
15		0.0			
16		0.0			
17		0.0	CL	Grayish brown hard silty Clay, wet	2.0 ft recovery. No petroleum-like odors or staining observed
18		0.0			
				Boring terminated at 18 ft bgs due to probe refusal	Boring converted to temporary well point; screened from 8 to 18 ft bgs. GW sample B-15GW collected at 12:55

Boring Number:	**B-16**		Page 1 of 1
Location:	Former Auto service (southern portion of southern parcel)	Date Started:	12/5/2018
Site Address:	440 Clinton Street	Date Completed:	12/5/2018
	Buffalo, New York 14204	Depth to Groundwater:	11.0 ft
Project Number:	15-140446.3	Field Technician:	Jonathan Lokko
Drill Rig Type:	Simco Earth Probe S-200	**Partner Assessment Corporation**	
Sampling Equipment:	4 ft Macrocores	362 Fifth Avenue, Suite 501	
Borehole Diameter:	2 inch	New York, New YorkJ 10001	

Depth	Sample	PID	USCS	Description	Notes
0.5		0.0		Asphalt and gravel	
1		0.0	CL	Dark brown silty Clay with some bricks and wooden debris	3.0 ft recovery. No petroleum-like odor or staining observed
2		0.0			
3		0.0			
4		0.0			
5		0.0	CL	Brown silty Clay with some wooden debris at 4-5 feet	4.0 ft recovery. No petroleum-like odors or staining observed
6		0.0			
7		0.0			
8		0.0			
9		0.0	CL	Brown Silty Clay, wet at 11-12 feet	Soil sample B-16 collected at 13:25 from interval of 9.0 to 10.0 ft bgs 4.0 ft recovery. No petroleum-like odors or staining observed
10	B-16	0.0			
11		0.0			
12		0.0			
13		0.0	CL	Grayish brown hard Silty Clay, wet at 12-17 feet	4.0 ft recovery. No petroleum-like odors or staining observed
14		0.0			
15		0.0			
16		0.0			
17		0.0		Grayish brown hard Silty Clay, wet	1.0 foot recovery. No odors or staining observed
				Boring terminated at 17.0 ft bgs due to probe refusal	Boring converted to temporary well point; screened from 12.0 to 17.0 ft bgs. GW sample B-16GW collected at 13:30

Boring Number:	**B-17**				Page 1 of 1
Location:	Former Auto service (southern portion of southern parcel)			Date Started:	12/5/2018
Site Address:	440 Clinton Street			Date Completed:	12/5/2018
	Buffalo, New York 14204			Depth to Groundwater:	5.0 ft
Project Number:	15-140446.3			Field Technician:	Jonathan Lokko
Drill Rig Type:	Simco Earth Probe S-200			**Partner Assessment Corporation**	
Sampling Equipment:	4 ft Macrocores			362 Fifth Avenue, Suite 501	
Borehole Diameter:	2 inch			New York, New YorkJ 10001	

Depth	Sample	PID	USCS	Description	Notes
1		0.0		Asphalt and gravel	3.2 ft recovery. No petroleum-like odor or staining observed Soil sample B-17 collected at 14:00 from interval of 2.0 to 3.0 ft bgs
2		0.5	CL	Brown silty Clay with gravel and some bricks.	
3	B-17	0.4			
4		0.1			
5		0.0	CL	Hard brown silty Clay. Wet at 5-8 feet	4.0 ft recovery. No petroleum-like odors or staining observed
6		0.0			
7		0.0			
8		0.0			
				Boring terminated at 8.0 ft bgs due to probe refusal	Boring converted to temporary well point; screened from 3.0 to 8.0 ft bgs. GW sample B-17GW collected at 14:10

Boring Number:	**B-18**		Page 1 of 1
Location:	Former UST (South central portion of southern parcel)	Date Started:	12/5/2018
Site Address:	440 Clinton Street	Date Completed:	12/5/2018
	Buffalo, New York 14204	Depth to Groundwater:	12.0 ft
Project Number:	15-140446.3	Field Technician:	Jonathan Lokko
Drill Rig Type:	Simco Earth Probe S-200	**Partner Assessment Corporation**	
Sampling Equipment:	4 ft Macrocores	362 Fifth Avenue, Suite 501	
Borehole Diameter:	2 inch	New York, New YorkJ 10001	

Depth	Sample	PID	USCS	Description	Notes
1		1.5		Asphalt and gravel	
2		5.1		Grayish brown silty Clay with gravel	3.5 ft recovery. Petroleum-like odor noticed at 2-4 feet
3		5.7	CL	Brown silty Clay	
4		7.8			
5		35.3			4.0 ft recovery. Petroleum-like odors noticed
6		74.7			
7	B-18	305.0	CL	Brown silty Clay	Soil sample B-18 collected at 14:30 from interval of 6.0 to 7.0 ft bgs
8		169.7			
9		36.9			
10		27.5	CL	Brown silty Clay	4.0 ft recovery. Slight petroleum-like odors observed
11		5.1			
12		0.7			
13		0.4			
14		0.4	CL	Hard brown silty Clay, wet	4.0 ft recovery. No petroleum-like odors or staining observed
15		0.2			
16		0.2			
17		0.3	CL	Hard Grayish brown silty Clay, wet	1.0 ft recovery. No odors or staining observed
				Boring terminated at 12 ft bgs	Boring converted to temporary well point; screened from 12 to 17 ft bgs. GW sample B-18GW collected at 14:40

Boring Number:	**B-19**		Page 1 of 1
Location:	Former lumber storage yard (central portion of southern parcel)	Date Started:	12/5/2018
Site Address:	440 Clinton Street	Date Completed:	12/5/2018
	Buffalo, New York 14204	Depth to Groundwater:	5.0 ft
Project Number:	15-140446.3	Field Technician:	Jonathan Lokko
Drill Rig Type:	Simco Earth Probe S-200	**Partner Assessment Corporation**	
Sampling Equipment:	4 ft Macrocores	362 Fifth Avenue, Suite 501	
Borehole Diameter:	2 inch	New York, New YorkJ 10001	

Depth	Sample	PID	USCS	Description	Notes
1		0.0	SM	Brown silty Sand	3.0 ft recovery. No petroleum-like odor or staining observed
2		0.0		Brown silty Sand with gravel and bricks	
3		0.0	CL	Dark brown silty Clay with gravel	
4	B-19	0.0			Soil sample B-19 collected at 15:40 from interval of 3.0 to 4.0 ft bgs
5		0.0	CL	Brown silty Clay, wet	4.0 ft recovery. No petroleum-like odors or staining observed
6		0.0			
7		0.0			
8		0.0			
9		0.0	CL	Brown silty Clay, saturated	4.0 ft recovery. No petroleum-like odors or staining observed
10		0.0			
11		0.0			
12		0.0			
				Boring terminated at 12.0 ft bgs	Boring converted to temporary well point; screened from 5.0 to 12.0 ft bgs. GW sample B-19GW collected at 15:50

APPENDIX B: GEOPHYSICAL SURVEY REPORT

PARTNER

Subsurface Investigation to Locate Underground Utilities

Prepared For: Partner Engineering

Prepared By:
Joseph Federico
Project Manager-Albany, NY
12/14/2018

GPRS SUBSURFACE SCANNING SOLUTIONS

December 14, 2018

Partner Engineering
Attn: Alex Smith
Site: 440 Clinton Street, Buffalo, NY

We appreciate the opportunity to provide this report for our work completed on 12/4/18 at the above address in Buffalo, NY.

PURPOSE

The purpose of this project was to search for underground utilities and UST's within the proposed soil boring locations.

EQUIPMENT

- **400 MHz GPR Antenna.** The antenna is mounted in a stroller frame which rolls over the surface. The surface needs to be reasonably smooth and unobstructed in order to obtain readable scans. Obstructions such as curbs, landscaping, and vegetation will limit the feasibility of GPR. The data is displayed on a screen and marked in the field in real time. GPR works by sending pulses of energy into a material and recording the strength and the time required for the return of the reflected signal. Reflections are produced when the energy pulses enter into a material with different electrical properties from the material it left. The strength of the reflection is determined by the contrast in signal speed between the two materials. The total depth achieved can be as much as 8' or more with this antenna but can vary widely depending on the conductivity of the materials. Depths provided should always be treated as estimates as their accuracy can be affected by multiple factors. For more information, please visit: Link
- **Electromagnetic Pipe Locator.** The EM locator can detect the electromagnetic fields from live power or radio frequency signals. It can also be used in conjunction with a transmitter to connect directly to accessible, metallic pipes, risers, or tracer wires. A current is sent through the pipe or tracer wire at a specific frequency and the resulting EM field can then be detected by the receiver. The receiver is moved over the surface without coming in contact with the ground so it is not affected by terrain. Depths provided should always be treated as estimates as their accuracy can be affected by multiple factors. Depths achieved can be as much as 20' depending on the type of signal being traced or methods used. For more information, please visit: Link

PROCESS

Our process began with using the EM pipe locator to locate pipes or utilities throughout the scan area. We first sweep all areas with the receiver to detect live power or radio frequency signals followed by connecting to any visible risers or tracer wires that may be in the area provided that there is an exposed metallic surface. Locations and depths are painted or flagged on the surface. Depths cannot always be provided depending on the location method and can be prone to error.

Initial GPR scans were then collected in order to evaluate the data and calibrate the equipment. Based on these findings, a scanning strategy is formed, typically consisting of scanning the entire area in a grid with 5'-10' scan spacing in order to locate any potential utilities that were not found with the pipe locator. The GPR data is interpreted in real time and anomalies in the data are located and marked on the surface along with their depths using spray paint, pin flags, etc. Depths are dependent on the dielectric of the materials being scanned so depth accuracy can vary throughout a site. Relevant scan examples were saved and will be provided in this report.

LIMITATIONS

Please keep in mind that there are limitations to any subsurface investigation. The equipment may not achieve maximum effectiveness due to soil conditions, above ground obstructions, reinforced concrete, and a variety of other factors. No subsurface investigation or equipment can provide a complete image of what lies below. Our results should always be used in conjunction with as many methods as possible including consulting existing plans and drawings, exploratory excavation or potholing, visual inspection of above ground features, and utilization of services such as One Call/811.

At this site, our scans were limited by curbs around landscaping and fences preventing full scans.

FINDINGS

We scanned for underground utilities in proposed boring locations and scanned for UST's in suspected areas. We found that the soil allowed for maximum GPR depth penetration of 4' in most areas. We were able to locate utilities such as live power conduits, possible communication lines and unknown utilities at various depths using either the GPR or RD. GPR did not detect any evidence of UST's on site. We marked out all utilities located in pink spray paint within a 15'x15' square of each proposed boring location.

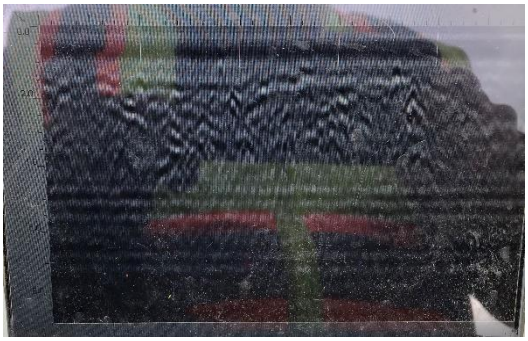
The following pages will provide photos and further explanation of our findings.



GPR data screenshot of a live power conduit at at 1.5’ in depth.



Photo of live power conduit at 1.5’ in depth near a proposed boring location.



GPR data screenshot showing zero evidence of UST’s around the property on the corner of Jefferson Street and Clinton Street.



Photo of 482-488 Clinton Street.

GPR Data Screenshots and Photos	6764 State Highway 10, Canajoharie, NY 13317	GPRS



Photo of an unknown line at 2’ in depth running across a possible communication line near a proposed boring location.



Photo of live power possible communication line at 1’ in depth near a proposed boring location.

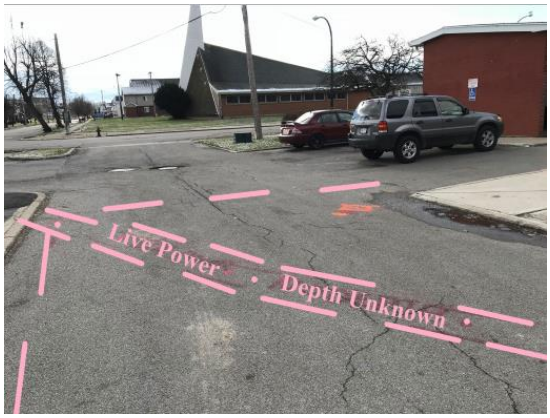


Photo of a live power line at an unknown depth running near a proposed boring location.



Photo of a live power line at an unknown depth running near a proposed boring location.

Site Photos	6764 State Highway 10, Canajoharie, NY 13317	GPRS

CLOSING

GPRS, Inc. has been in business since 2001, specializing in underground storage tank location, concrete scanning, utility locating, and shallow void detection for projects throughout the United States. I encourage you to visit our website (www.gprsinc.com) and contact any of the numerous references listed.

Throughout the proposed area, 19 boring locations were cleared of utilities. GPR detected zero evidence of UST's on site.

GPRS appreciates the opportunity to offer our services, and we look forward to continuing to work with you on future projects. Please feel free to contact us for additional information or with any questions you may have regarding this report.

Signed,



Joseph Federico
Project Manager—Albany New York

GPRS SUBSURFACE SCANNING SOLUTIONS

Direct: 518-524-6114
joe.federico@gprsinc.com
www.gprsinc.com

APPENDIX C: LABORATORY ANALYTICAL REPORT

PARTNER

JOB: L1849637 REPORT STYLE: Data Usability Report
0010: Alpha Analytical Report Cover Page - OK
0015: Sample Cross Reference Summary - OK
0060: Case Narrative - OK
0100: Volatiles Cover Page - OK
0110: Volatiles Sample Results - OK
0120: Volatiles Method Blank Report - OK
0130: Volatiles LCS Report - OK
0180: Semivolatiles Cover Page - OK
0190: Semivolatiles Sample Results - OK
0200: Semivolatiles Method Blank Report - OK
0210: Semivolatiles LCS Report - OK
0700: PCBs Cover Page - OK
0710: PCBs Sample Results - OK
0720: PCBs Method Blank Report - OK
0730: PCBs LCS Report - OK
1005: Metals Sample Results - OK
1010: Metals Method Blank Report - OK
1020: Metals LCS Report - OK
1040: Metals Matrix Spike Report - OK
1050: Metals Duplicate Report - OK
1180: Inorganics Cover Page - OK
1200: Wet Chemistry Sample Results - OK
1250: Wet Chemistry Duplicate Report - OK
5100: Sample Receipt & Container Information Report - OK
5200: Glossary - OK
5400: References - OK

ANALYTICAL REPORT

Lab Number:	L1849637
Client:	Partner Engineering & Science, Inc. 611 Industrial Way W. Eatontown, NJ 07724
ATTN:	Alex Smith
Phone:	(732) 380-1700
Project Name:	18-223391.3
Project Number:	18-223391.3
Report Date:	12/11/18

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

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

Project Name: 18-223391.3
Project Number: 18-223391.3

Lab Number: L1849637
Report Date: 12/11/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1849637-01	B-1	SOIL	440 CLINTON ST., BUFFALO, NY 14204	12/04/18 10:25	12/05/18
L1849637-02	B-2	SOIL	440 CLINTON ST., BUFFALO, NY 14204	12/04/18 14:00	12/05/18
L1849637-03	B-3	SOIL	440 CLINTON ST., BUFFALO, NY 14204	12/04/18 11:30	12/05/18
L1849637-04	B-4	SOIL	440 CLINTON ST., BUFFALO, NY 14204	12/04/18 12:30	12/05/18
L1849637-05	B-5	SOIL	440 CLINTON ST., BUFFALO, NY 14204	12/04/18 13:30	12/05/18
L1849637-06	B-6	SOIL	440 CLINTON ST., BUFFALO, NY 14204	12/04/18 15:00	12/05/18
L1849637-07	B-7	SOIL	440 CLINTON ST., BUFFALO, NY 14204	12/04/18 15:55	12/05/18
L1849637-08	B-8	SOIL	440 CLINTON ST., BUFFALO, NY 14204	12/04/18 16:15	12/05/18
L1849637-09	B-9	SOIL	440 CLINTON ST., BUFFALO, NY 14204	12/04/18 16:50	12/05/18
L1849637-10	B-1GW	WATER	440 CLINTON ST., BUFFALO, NY 14204	12/04/18 11:50	12/05/18
L1849637-11	B-3GW	WATER	440 CLINTON ST., BUFFALO, NY 14204	12/04/18 12:00	12/05/18
L1849637-12	B-4GW	WATER	440 CLINTON ST., BUFFALO, NY 14204	12/04/18 12:50	12/05/18
L1849637-13	B-5GW	WATER	440 CLINTON ST., BUFFALO, NY 14204	12/04/18 13:45	12/05/18
L1849637-14	B-6GW	WATER	440 CLINTON ST., BUFFALO, NY 14204	12/04/18 15:10	12/05/18
L1849637-15	B-7GW	WATER	440 CLINTON ST., BUFFALO, NY 14204	12/04/18 16:00	12/05/18
L1849637-16	B-8GW	WATER	440 CLINTON ST., BUFFALO, NY 14204	12/04/18 16:20	12/05/18
L1849637-17	B-9GW	WATER	440 CLINTON ST., BUFFALO, NY 14204	12/05/18 09:40	12/05/18
L1849637-18	B-10GW	WATER	440 CLINTON ST., BUFFALO, NY 14204	12/05/18 08:30	12/05/18

Project Name: 18-223391.3 **Lab Number:** L1849637
Project Number: 18-223391.3 **Report Date:** 12/11/18

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. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated 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.

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 table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

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 Client Service Representative 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 Client Services at 800-624-9220 with any questions.

Project Name: 18-223391.3 **Lab Number:** L1849637
Project Number: 18-223391.3 **Report Date:** 12/11/18

Case Narrative (continued)

Report Submission

December 11, 2018: This is a preliminary report.

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

Sample Receipt

The analyses performed were specified by the client.

L1849637-18: A sample identified as "B-10GW" was received but not listed on the Chain of Custody. At the client's request, this sample was reported under separate cover.

Semivolatile Organics by SIM

L1849637-10, -11, -13 and -14: The sample has elevated detection limits due to limited sample volume available for analysis.

L1849637-10, -11 and -14: The sample has elevated detection limits due to the analytical dilution required by the sample matrix.

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: 12/11/18

ORGANICS

VOLATILES

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849637-02 Date Collected: 12/04/18 14:00
Client ID: B-2 Date Received: 12/05/18
Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/07/18 11:51
Analyst: JC
Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	4.0	1.8	1
1,1-Dichloroethane	ND		ug/kg	0.81	0.12	1
Chloroform	ND		ug/kg	1.2	0.11	1
Carbon tetrachloride	ND		ug/kg	0.81	0.19	1
1,2-Dichloropropane	ND		ug/kg	0.81	0.10	1
Dibromochloromethane	ND		ug/kg	0.81	0.11	1
1,1,2-Trichloroethane	ND		ug/kg	0.81	0.22	1
Tetrachloroethene	ND		ug/kg	0.40	0.16	1
Chlorobenzene	ND		ug/kg	0.40	0.10	1
Trichlorofluoromethane	ND		ug/kg	3.2	0.56	1
1,2-Dichloroethane	ND		ug/kg	0.81	0.21	1
1,1,1-Trichloroethane	ND		ug/kg	0.40	0.14	1
Bromodichloromethane	ND		ug/kg	0.40	0.09	1
trans-1,3-Dichloropropene	ND		ug/kg	0.81	0.22	1
cis-1,3-Dichloropropene	ND		ug/kg	0.40	0.13	1
1,3-Dichloropropene, Total	ND		ug/kg	0.40	0.13	1
Bromoform	ND		ug/kg	3.2	0.20	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.40	0.13	1
Benzene	ND		ug/kg	0.40	0.13	1
Toluene	ND		ug/kg	0.81	0.44	1
Ethylbenzene	ND		ug/kg	0.81	0.11	1
Chloromethane	ND		ug/kg	3.2	0.75	1
Bromomethane	ND		ug/kg	1.6	0.47	1
Vinyl chloride	ND		ug/kg	0.81	0.27	1
Chloroethane	ND		ug/kg	1.6	0.36	1
1,1-Dichloroethene	ND		ug/kg	0.81	0.19	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	0.11	1
Trichloroethene	ND		ug/kg	0.40	0.11	1

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849637-02 Date Collected: 12/04/18 14:00

Client ID: B-2 Date Received: 12/05/18

Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	1.6	0.12	1
1,3-Dichlorobenzene	ND		ug/kg	1.6	0.12	1
1,4-Dichlorobenzene	ND		ug/kg	1.6	0.14	1
Methyl tert butyl ether	ND		ug/kg	1.6	0.16	1
p/m-Xylene	ND		ug/kg	1.6	0.45	1
o-Xylene	ND		ug/kg	0.81	0.24	1
Xylenes, Total	ND		ug/kg	0.81	0.24	1
cis-1,2-Dichloroethene	ND		ug/kg	0.81	0.14	1
1,2-Dichloroethene, Total	ND		ug/kg	0.81	0.11	1
Styrene	ND		ug/kg	0.81	0.16	1
Dichlorodifluoromethane	ND		ug/kg	8.1	0.74	1
Acetone	9.2		ug/kg	8.1	3.9	1
Carbon disulfide	ND		ug/kg	8.1	3.7	1
2-Butanone	ND		ug/kg	8.1	1.8	1
4-Methyl-2-pentanone	ND		ug/kg	8.1	1.0	1
2-Hexanone	ND		ug/kg	8.1	0.96	1
Bromochloromethane	ND		ug/kg	1.6	0.16	1
1,2-Dibromoethane	ND		ug/kg	0.81	0.22	1
n-Butylbenzene	ND		ug/kg	0.81	0.14	1
sec-Butylbenzene	ND		ug/kg	0.81	0.12	1
tert-Butylbenzene	ND		ug/kg	1.6	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.4	0.81	1
Isopropylbenzene	ND		ug/kg	0.81	0.09	1
p-Isopropyltoluene	ND		ug/kg	0.81	0.09	1
Naphthalene	ND		ug/kg	3.2	0.53	1
n-Propylbenzene	ND		ug/kg	0.81	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.6	0.26	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.6	0.22	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.6	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.6	0.27	1
Methyl Acetate	ND		ug/kg	3.2	0.77	1
Cyclohexane	ND		ug/kg	8.1	0.44	1
1,4-Dioxane	ND		ug/kg	81	28.	1
Freon-113	ND		ug/kg	3.2	0.56	1
Methyl cyclohexane	ND		ug/kg	3.2	0.49	1

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849637-02 Date Collected: 12/04/18 14:00

Client ID: B-2 Date Received: 12/05/18

Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	97		70-130

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849637-04
Client ID: B-4
Sample Location: 440 CLINTON ST., BUFFALO, NY 14204

Date Collected: 12/04/18 12:30
Date Received: 12/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/07/18 12:17
Analyst: JC
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	4.6	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.92	0.13	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.92	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.92	0.12	1
Dibromochloromethane	ND		ug/kg	0.92	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.92	0.25	1
Tetrachloroethene	ND		ug/kg	0.46	0.18	1
Chlorobenzene	ND		ug/kg	0.46	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.7	0.64	1
1,2-Dichloroethane	ND		ug/kg	0.92	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.46	0.15	1
Bromodichloromethane	ND		ug/kg	0.46	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.92	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.46	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.46	0.14	1
Bromoform	ND		ug/kg	3.7	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.46	0.15	1
Benzene	ND		ug/kg	0.46	0.15	1
Toluene	ND		ug/kg	0.92	0.50	1
Ethylbenzene	ND		ug/kg	0.92	0.13	1
Chloromethane	ND		ug/kg	3.7	0.86	1
Bromomethane	ND		ug/kg	1.8	0.54	1
Vinyl chloride	ND		ug/kg	0.92	0.31	1
Chloroethane	ND		ug/kg	1.8	0.42	1
1,1-Dichloroethene	ND		ug/kg	0.92	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1
Trichloroethene	ND		ug/kg	0.46	0.13	1

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849637-04 Date Collected: 12/04/18 12:30

Client ID: B-4 Date Received: 12/05/18

Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.52	1
o-Xylene	ND		ug/kg	0.92	0.27	1
Xylenes, Total	ND		ug/kg	0.92	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.92	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.92	0.13	1
Styrene	ND		ug/kg	0.92	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.2	0.84	1
Acetone	ND		ug/kg	9.2	4.4	1
Carbon disulfide	ND		ug/kg	9.2	4.2	1
2-Butanone	ND		ug/kg	9.2	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.2	1.2	1
2-Hexanone	ND		ug/kg	9.2	1.1	1
Bromochloromethane	ND		ug/kg	1.8	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.92	0.26	1
n-Butylbenzene	ND		ug/kg	0.92	0.15	1
sec-Butylbenzene	ND		ug/kg	0.92	0.13	1
tert-Butylbenzene	ND		ug/kg	1.8	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.92	1
Isopropylbenzene	ND		ug/kg	0.92	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.92	0.10	1
Naphthalene	ND		ug/kg	3.7	0.60	1
n-Propylbenzene	ND		ug/kg	0.92	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.31	1
Methyl Acetate	ND		ug/kg	3.7	0.88	1
Cyclohexane	ND		ug/kg	9.2	0.50	1
1,4-Dioxane	ND		ug/kg	92	32.	1
Freon-113	ND		ug/kg	3.7	0.64	1
Methyl cyclohexane	ND		ug/kg	3.7	0.56	1

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849637-04 Date Collected: 12/04/18 12:30

Client ID: B-4 Date Received: 12/05/18

Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	97		70-130

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849637-09 Date Collected: 12/04/18 16:50
Client ID: B-9 Date Received: 12/05/18
Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/07/18 12:43
Analyst: JC
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	5.1	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	ND		ug/kg	0.51	0.20	1
Chlorobenzene	ND		ug/kg	0.51	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.1	0.71	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.51	0.17	1
Bromodichloromethane	ND		ug/kg	0.51	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.51	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.51	0.16	1
Bromoform	ND		ug/kg	4.1	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.51	0.17	1
Benzene	ND		ug/kg	0.51	0.17	1
Toluene	ND		ug/kg	1.0	0.55	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.1	0.95	1
Bromomethane	ND		ug/kg	2.0	0.59	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1
Trichloroethene	ND		ug/kg	0.51	0.14	1

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849637-09 Date Collected: 12/04/18 16:50

Client ID: B-9 Date Received: 12/05/18

Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.57	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.93	1
Acetone	ND		ug/kg	10	4.9	1
Carbon disulfide	ND		ug/kg	10	4.6	1
2-Butanone	ND		ug/kg	10	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.1	0.66	1
n-Propylbenzene	ND		ug/kg	1.0	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.33	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.34	1
Methyl Acetate	ND		ug/kg	4.1	0.97	1
Cyclohexane	ND		ug/kg	10	0.55	1
1,4-Dioxane	ND		ug/kg	100	36.	1
Freon-113	ND		ug/kg	4.1	0.71	1
Methyl cyclohexane	ND		ug/kg	4.1	0.61	1

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849637-09 Date Collected: 12/04/18 16:50

Client ID: B-9 Date Received: 12/05/18

Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	96		70-130

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849637-10 Date Collected: 12/04/18 11:50
Client ID: B-1GW Date Received: 12/05/18
Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/07/18 14:29
Analyst: PD

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

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849637-10 Date Collected: 12/04/18 11:50

Client ID: B-1GW Date Received: 12/05/18

Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	5.8		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849637-10 Date Collected: 12/04/18 11:50

Client ID: B-1GW Date Received: 12/05/18

Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	103		70-130

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849637-11 Date Collected: 12/04/18 12:00
Client ID: B-3GW Date Received: 12/05/18
Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/07/18 14:51
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.40	J	ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.24	J	ug/l	0.50	0.18	1

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849637-11 Date Collected: 12/04/18 12:00

Client ID: B-3GW Date Received: 12/05/18

Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	13		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849637-11 Date Collected: 12/04/18 12:00

Client ID: B-3GW Date Received: 12/05/18

Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	103		70-130

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849637-13 Date Collected: 12/04/18 13:45
Client ID: B-5GW Date Received: 12/05/18
Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/07/18 15:13
Analyst: PD

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

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849637-13 Date Collected: 12/04/18 13:45

Client ID: B-5GW Date Received: 12/05/18

Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.1	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849637-13 Date Collected: 12/04/18 13:45

Client ID: B-5GW Date Received: 12/05/18

Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	103		70-130

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849637-14
Client ID: B-6GW
Sample Location: 440 CLINTON ST., BUFFALO, NY 14204

Date Collected: 12/04/18 15:10
Date Received: 12/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/07/18 13:01
Analyst: PD

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

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849637-14 Date Collected: 12/04/18 15:10

Client ID: B-6GW Date Received: 12/05/18

Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849637-14 Date Collected: 12/04/18 15:10

Client ID: B-6GW Date Received: 12/05/18

Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	96		70-130

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849637-15 Date Collected: 12/04/18 16:00
Client ID: B-7GW Date Received: 12/05/18
Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/07/18 13:29
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.53		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849637-15 Date Collected: 12/04/18 16:00

Client ID: B-7GW Date Received: 12/05/18

Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.0	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849637-15 Date Collected: 12/04/18 16:00

Client ID: B-7GW Date Received: 12/05/18

Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	95		70-130

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849637-16 Date Collected: 12/04/18 16:20
Client ID: B-8GW Date Received: 12/05/18
Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/07/18 13:56
Analyst: PD

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

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849637-16 Date Collected: 12/04/18 16:20

Client ID: B-8GW Date Received: 12/05/18

Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849637-16 Date Collected: 12/04/18 16:20

Client ID: B-8GW Date Received: 12/05/18

Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	96		70-130

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/07/18 08:17
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 10-11,13 Batch: WG1186802-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/07/18 08:17
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 10-11,13 Batch: WG1186802-5					
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/07/18 08:17
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 10-11,13 Batch: WG1186802-5					
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	102		70-130

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/07/18 07:58
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,04,09 Batch: WG1186913-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/07/18 07:58
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,04,09 Batch: WG1186913-5					
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/07/18 07:58
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,04,09 Batch: WG1186913-5					
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	100	35.
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	98		70-130

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/07/18 08:50
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 14-16 Batch: WG1187010-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/07/18 08:50
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 14-16 Batch: WG1187010-5					
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/07/18 08:50
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 14-16 Batch: WG1187010-5					
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	97		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 18-223391.3

Project Number: 18-223391.3

Lab Number: L1849637

Report Date: 12/11/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 10-11,13 Batch: WG1186802-3 WG1186802-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	91		93		63-132	2		20
1,2-Dichloropropane	97		100		70-130	3		20
Dibromochloromethane	95		97		63-130	2		20
1,1,2-Trichloroethane	96		99		70-130	3		20
Tetrachloroethene	85		89		70-130	5		20
Chlorobenzene	97		99		75-130	2		20
Trichlorofluoromethane	94		97		62-150	3		20
1,2-Dichloroethane	100		100		70-130	0		20
1,1,1-Trichloroethane	90		93		67-130	3		20
Bromodichloromethane	97		98		67-130	1		20
trans-1,3-Dichloropropene	88		92		70-130	4		20
cis-1,3-Dichloropropene	90		93		70-130	3		20
Bromoform	96		99		54-136	3		20
1,1,2,2-Tetrachloroethane	94		100		67-130	6		20
Benzene	95		98		70-130	3		20
Toluene	95		99		70-130	4		20
Ethylbenzene	95		99		70-130	4		20
Chloromethane	76		79		64-130	4		20
Bromomethane	76		80		39-139	5		20
Vinyl chloride	93		95		55-140	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 18-223391.3

Project Number: 18-223391.3

Lab Number: L1849637

Report Date: 12/11/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 10-11,13 Batch: WG1186802-3 WG1186802-4								
Chloroethane	120		130		55-138	8		20
1,1-Dichloroethene	92		96		61-145	4		20
trans-1,2-Dichloroethene	95		97		70-130	2		20
Trichloroethene	95		99		70-130	4		20
1,2-Dichlorobenzene	96		100		70-130	4		20
1,3-Dichlorobenzene	98		99		70-130	1		20
1,4-Dichlorobenzene	97		97		70-130	0		20
Methyl tert butyl ether	85		91		63-130	7		20
p/m-Xylene	95		100		70-130	5		20
o-Xylene	95		100		70-130	5		20
cis-1,2-Dichloroethene	95		99		70-130	4		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	71		72		36-147	1		20
Acetone	85		100		58-148	16		20
Carbon disulfide	97		100		51-130	3		20
2-Butanone	86		95		63-138	10		20
4-Methyl-2-pentanone	79		85		59-130	7		20
2-Hexanone	74		84		57-130	13		20
Bromochloromethane	97		100		70-130	3		20
1,2-Dibromoethane	91		96		70-130	5		20
n-Butylbenzene	99		100		53-136	1		20
sec-Butylbenzene	96		98		70-130	2		20
tert-Butylbenzene	82		83		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 18-223391.3
Project Number: 18-223391.3

Lab Number: L1849637
Report Date: 12/11/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 10-11,13 Batch: WG1186802-3 WG1186802-4								
1,2-Dibromo-3-chloropropane	84		92		41-144	9		20
Isopropylbenzene	96		99		70-130	3		20
p-Isopropyltoluene	95		97		70-130	2		20
Naphthalene	78		85		70-130	9		20
n-Propylbenzene	99		100		69-130	1		20
1,2,3-Trichlorobenzene	88		90		70-130	2		20
1,2,4-Trichlorobenzene	90		92		70-130	2		20
1,3,5-Trimethylbenzene	97		99		64-130	2		20
1,2,4-Trimethylbenzene	97		99		70-130	2		20
Methyl Acetate	84		94		70-130	11		20
Cyclohexane	89		91		70-130	2		20
1,4-Dioxane	126		144		56-162	13		20
Freon-113	90		93		70-130	3		20
Methyl cyclohexane	86		87		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		105		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	96		96		70-130
Dibromofluoromethane	102		100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 18-223391.3

Project Number: 18-223391.3

Lab Number: L1849637

Report Date: 12/11/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,04,09 Batch: WG1186913-3 WG1186913-4								
Methylene chloride	95		94		70-130	1		30
1,1-Dichloroethane	98		96		70-130	2		30
Chloroform	96		94		70-130	2		30
Carbon tetrachloride	102		103		70-130	1		30
1,2-Dichloropropane	99		99		70-130	0		30
Dibromochloromethane	96		93		70-130	3		30
1,1,2-Trichloroethane	91		90		70-130	1		30
Tetrachloroethene	93		93		70-130	0		30
Chlorobenzene	89		89		70-130	0		30
Trichlorofluoromethane	90		88		70-139	2		30
1,2-Dichloroethane	101		97		70-130	4		30
1,1,1-Trichloroethane	102		99		70-130	3		30
Bromodichloromethane	100		98		70-130	2		30
trans-1,3-Dichloropropene	99		94		70-130	5		30
cis-1,3-Dichloropropene	102		103		70-130	1		30
Bromoform	93		91		70-130	2		30
1,1,2,2-Tetrachloroethane	91		88		70-130	3		30
Benzene	98		96		70-130	2		30
Toluene	89		89		70-130	0		30
Ethylbenzene	90		90		70-130	0		30
Chloromethane	100		96		52-130	4		30
Bromomethane	106		113		57-147	6		30
Vinyl chloride	99		94		67-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 18-223391.3

Project Number: 18-223391.3

Lab Number: L1849637

Report Date: 12/11/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,04,09 Batch: WG1186913-3 WG1186913-4								
Chloroethane	92		90		50-151	2		30
1,1-Dichloroethene	108		107		65-135	1		30
trans-1,2-Dichloroethene	92		93		70-130	1		30
Trichloroethene	98		98		70-130	0		30
1,2-Dichlorobenzene	86		86		70-130	0		30
1,3-Dichlorobenzene	87		86		70-130	1		30
1,4-Dichlorobenzene	87		86		70-130	1		30
Methyl tert butyl ether	102		100		66-130	2		30
p/m-Xylene	92		89		70-130	3		30
o-Xylene	93		90		70-130	3		30
cis-1,2-Dichloroethene	98		96		70-130	2		30
Styrene	90		89		70-130	1		30
Dichlorodifluoromethane	89		91		30-146	2		30
Acetone	110		106		54-140	4		30
Carbon disulfide	101		96		59-130	5		30
2-Butanone	104		99		70-130	5		30
4-Methyl-2-pentanone	98		94		70-130	4		30
2-Hexanone	84		86		70-130	2		30
Bromochloromethane	103		102		70-130	1		30
1,2-Dibromoethane	96		95		70-130	1		30
n-Butylbenzene	91		90		70-130	1		30
sec-Butylbenzene	88		86		70-130	2		30
tert-Butylbenzene	87		87		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 18-223391.3
Project Number: 18-223391.3

Lab Number: L1849637
Report Date: 12/11/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,04,09 Batch: WG1186913-3 WG1186913-4								
1,2-Dibromo-3-chloropropane	92		92		68-130	0		30
Isopropylbenzene	86		86		70-130	0		30
p-Isopropyltoluene	88		88		70-130	0		30
Naphthalene	87		87		70-130	0		30
n-Propylbenzene	87		86		70-130	1		30
1,2,3-Trichlorobenzene	86		88		70-130	2		30
1,2,4-Trichlorobenzene	90		87		70-130	3		30
1,3,5-Trimethylbenzene	87		86		70-130	1		30
1,2,4-Trimethylbenzene	88		87		70-130	1		30
Methyl Acetate	111		106		51-146	5		30
Cyclohexane	99		97		59-142	2		30
1,4-Dioxane	109		107		65-136	2		30
Freon-113	114		111		50-139	3		30
Methyl cyclohexane	100		98		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		99		70-130
Toluene-d8	95		95		70-130
4-Bromofluorobenzene	100		100		70-130
Dibromofluoromethane	98		98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 18-223391.3

Project Number: 18-223391.3

Lab Number: L1849637

Report Date: 12/11/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 14-16 Batch: WG1187010-3 WG1187010-4								
Methylene chloride	94		99		70-130	5		20
1,1-Dichloroethane	94		98		70-130	4		20
Chloroform	95		100		70-130	5		20
Carbon tetrachloride	88		92		63-132	4		20
1,2-Dichloropropane	91		97		70-130	6		20
Dibromochloromethane	88		94		63-130	7		20
1,1,2-Trichloroethane	94		98		70-130	4		20
Tetrachloroethene	92		95		70-130	3		20
Chlorobenzene	94		97		75-130	3		20
Trichlorofluoromethane	84		89		62-150	6		20
1,2-Dichloroethane	92		97		70-130	5		20
1,1,1-Trichloroethane	90		93		67-130	3		20
Bromodichloromethane	88		93		67-130	6		20
trans-1,3-Dichloropropene	86		91		70-130	6		20
cis-1,3-Dichloropropene	89		94		70-130	5		20
Bromoform	81		88		54-136	8		20
1,1,2,2-Tetrachloroethane	91		100		67-130	9		20
Benzene	91		95		70-130	4		20
Toluene	92		97		70-130	5		20
Ethylbenzene	92		95		70-130	3		20
Chloromethane	78		81		64-130	4		20
Bromomethane	96		95		39-139	1		20
Vinyl chloride	99		110		55-140	11		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 18-223391.3

Project Number: 18-223391.3

Lab Number: L1849637

Report Date: 12/11/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 14-16 Batch: WG1187010-3 WG1187010-4								
Chloroethane	120		120		55-138	0		20
1,1-Dichloroethene	90		95		61-145	5		20
trans-1,2-Dichloroethene	98		100		70-130	2		20
Trichloroethene	91		96		70-130	5		20
1,2-Dichlorobenzene	90		94		70-130	4		20
1,3-Dichlorobenzene	94		96		70-130	2		20
1,4-Dichlorobenzene	92		95		70-130	3		20
Methyl tert butyl ether	95		100		63-130	5		20
p/m-Xylene	95		100		70-130	5		20
o-Xylene	95		100		70-130	5		20
cis-1,2-Dichloroethene	96		100		70-130	4		20
Styrene	85		90		70-130	6		20
Dichlorodifluoromethane	62		64		36-147	3		20
Acetone	68		77		58-148	12		20
Carbon disulfide	89		92		51-130	3		20
2-Butanone	79		89		63-138	12		20
4-Methyl-2-pentanone	84		97		59-130	14		20
2-Hexanone	74		88		57-130	17		20
Bromochloromethane	100		100		70-130	0		20
1,2-Dibromoethane	91		98		70-130	7		20
n-Butylbenzene	87		92		53-136	6		20
sec-Butylbenzene	89		92		70-130	3		20
tert-Butylbenzene	87		93		70-130	7		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 18-223391.3
Project Number: 18-223391.3

Lab Number: L1849637
Report Date: 12/11/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 14-16 Batch: WG1187010-3 WG1187010-4								
1,2-Dibromo-3-chloropropane	80		86		41-144	7		20
Isopropylbenzene	89		92		70-130	3		20
p-Isopropyltoluene	87		92		70-130	6		20
Naphthalene	80		91		70-130	13		20
n-Propylbenzene	89		92		69-130	3		20
1,2,3-Trichlorobenzene	85		91		70-130	7		20
1,2,4-Trichlorobenzene	86		91		70-130	6		20
1,3,5-Trimethylbenzene	90		92		64-130	2		20
1,2,4-Trimethylbenzene	88		93		70-130	6		20
Methyl Acetate	89		98		70-130	10		20
Cyclohexane	82		89		70-130	8		20
1,4-Dioxane	84		86		56-162	2		20
Freon-113	88		92		70-130	4		20
Methyl cyclohexane	82		91		70-130	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	93		101		70-130
Toluene-d8	99		98		70-130
4-Bromofluorobenzene	92		92		70-130
Dibromofluoromethane	96		99		70-130

SEMIVOLATILES

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849637-02
Client ID: B-2
Sample Location: 440 CLINTON ST., BUFFALO, NY 14204

Date Collected: 12/04/18 14:00
Date Received: 12/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 12/07/18 20:21
Analyst: KR
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 12/06/18 13:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	22.	1
2-Chloronaphthalene	ND		ug/kg	210	21.	1
Fluoranthene	50	J	ug/kg	120	24.	1
Naphthalene	ND		ug/kg	210	26.	1
Benzo(a)anthracene	26	J	ug/kg	120	24.	1
Benzo(a)pyrene	ND		ug/kg	170	51.	1
Benzo(b)fluoranthene	ND		ug/kg	120	35.	1
Benzo(k)fluoranthene	ND		ug/kg	120	34.	1
Chrysene	22	J	ug/kg	120	22.	1
Acenaphthylene	ND		ug/kg	170	32.	1
Anthracene	ND		ug/kg	120	41.	1
Benzo(ghi)perylene	ND		ug/kg	170	25.	1
Fluorene	ND		ug/kg	210	20.	1
Phenanthrene	58	J	ug/kg	120	25.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	170	29.	1
Pyrene	43	J	ug/kg	120	21.	1
2-Methylnaphthalene	ND		ug/kg	250	25.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	81		30-120
4-Terphenyl-d14	72		18-120

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849637-04
Client ID: B-4
Sample Location: 440 CLINTON ST., BUFFALO, NY 14204

Date Collected: 12/04/18 12:30
Date Received: 12/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 12/07/18 20:47
Analyst: KR
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 12/06/18 13:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	20.	1
2-Chloronaphthalene	ND		ug/kg	200	19.	1
Fluoranthene	240		ug/kg	120	22.	1
Naphthalene	ND		ug/kg	200	24.	1
Benzo(a)anthracene	72	J	ug/kg	120	22.	1
Benzo(a)pyrene	70	J	ug/kg	160	48.	1
Benzo(b)fluoranthene	110	J	ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	96	J	ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	56	J	ug/kg	160	23.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	120		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	62	J	ug/kg	160	27.	1
Pyrene	190		ug/kg	120	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	107		23-120
2-Fluorobiphenyl	90		30-120
4-Terphenyl-d14	78		18-120

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849637-09
Client ID: B-9
Sample Location: 440 CLINTON ST., BUFFALO, NY 14204

Date Collected: 12/04/18 16:50
Date Received: 12/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 12/07/18 21:12
Analyst: KR
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 12/06/18 13:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
Fluoranthene	ND		ug/kg	120	23.	1
Naphthalene	ND		ug/kg	200	24.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	49.	1
Benzo(b)fluoranthene	ND		ug/kg	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	ND		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	39.	1
Benzo(ghi)perylene	ND		ug/kg	160	24.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	ND		ug/kg	120	20.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	97		23-120
2-Fluorobiphenyl	79		30-120
4-Terphenyl-d14	67		18-120

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849637-10 D
Client ID: B-1GW
Sample Location: 440 CLINTON ST., BUFFALO, NY 14204

Date Collected: 12/04/18 11:50
Date Received: 12/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/11/18 01:27
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 12/06/18 16:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.52	0.08	5
2-Chloronaphthalene	ND		ug/l	1.0	0.09	5
Fluoranthene	2.0		ug/l	0.52	0.11	5
Naphthalene	1.8		ug/l	0.52	0.25	5
Benzo(a)anthracene	0.59		ug/l	0.52	0.10	5
Benzo(a)pyrene	0.76		ug/l	0.52	0.08	5
Benzo(b)fluoranthene	1.5		ug/l	0.52	0.06	5
Benzo(k)fluoranthene	0.58		ug/l	0.52	0.05	5
Chrysene	0.84		ug/l	0.52	0.06	5
Acenaphthylene	ND		ug/l	0.52	0.06	5
Anthracene	ND		ug/l	0.52	0.08	5
Benzo(ghi)perylene	0.46	J	ug/l	0.52	0.07	5
Fluorene	ND		ug/l	0.52	0.08	5
Phenanthrene	0.32	J	ug/l	0.52	0.12	5
Dibenzo(a,h)anthracene	0.10	J	ug/l	0.52	0.07	5
Indeno(1,2,3-cd)pyrene	0.54		ug/l	0.52	0.06	5
Pyrene	1.6		ug/l	0.52	0.10	5
2-Methylnaphthalene	ND		ug/l	0.52	0.11	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	75		15-120
4-Terphenyl-d14	77		41-149

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849637-11 D
Client ID: B-3GW
Sample Location: 440 CLINTON ST., BUFFALO, NY 14204

Date Collected: 12/04/18 12:00
Date Received: 12/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/11/18 01:00
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 12/06/18 16:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.53	0.08	5
2-Chloronaphthalene	ND		ug/l	1.0	0.10	5
Fluoranthene	1.8		ug/l	0.53	0.11	5
Naphthalene	1.9		ug/l	0.53	0.26	5
Benzo(a)anthracene	0.64		ug/l	0.53	0.10	5
Benzo(a)pyrene	1.8		ug/l	0.53	0.08	5
Benzo(b)fluoranthene	3.2		ug/l	0.53	0.06	5
Benzo(k)fluoranthene	1.1		ug/l	0.53	0.05	5
Chrysene	1.3		ug/l	0.53	0.06	5
Acenaphthylene	ND		ug/l	0.53	0.06	5
Anthracene	ND		ug/l	0.53	0.08	5
Benzo(ghi)perylene	2.5		ug/l	0.53	0.07	5
Fluorene	ND		ug/l	0.53	0.08	5
Phenanthrene	0.62		ug/l	0.53	0.12	5
Dibenzo(a,h)anthracene	0.47	J	ug/l	0.53	0.07	5
Indeno(1,2,3-cd)pyrene	2.3		ug/l	0.53	0.06	5
Pyrene	1.6		ug/l	0.53	0.10	5
2-Methylnaphthalene	ND		ug/l	0.53	0.12	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	78		15-120
4-Terphenyl-d14	80		41-149

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849637-13
Client ID: B-5GW
Sample Location: 440 CLINTON ST., BUFFALO, NY 14204

Date Collected: 12/04/18 13:45
Date Received: 12/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/10/18 13:23
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 12/06/18 16:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.04	J	ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.21	0.02	1
Fluoranthene	0.17		ug/l	0.10	0.02	1
Naphthalene	1.4		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.02	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	0.04	J	ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.08	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.03	J	ug/l	0.10	0.01	1
Chrysene	0.06	J	ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	0.02	J	ug/l	0.10	0.02	1
Benzo(ghi)perylene	0.03	J	ug/l	0.10	0.01	1
Fluorene	0.04	J	ug/l	0.10	0.02	1
Phenanthrene	0.16		ug/l	0.10	0.03	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.02	J	ug/l	0.10	0.01	1
Pyrene	0.15		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.14		ug/l	0.10	0.02	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	69		15-120
4-Terphenyl-d14	87		41-149

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849637-14 D
Client ID: B-6GW
Sample Location: 440 CLINTON ST., BUFFALO, NY 14204

Date Collected: 12/04/18 15:10
Date Received: 12/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/11/18 00:34
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 12/06/18 16:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.53	0.08	5
2-Chloronaphthalene	ND		ug/l	1.0	0.10	5
Fluoranthene	3.2		ug/l	0.53	0.11	5
Naphthalene	2.5		ug/l	0.53	0.26	5
Benzo(a)anthracene	2.0		ug/l	0.53	0.10	5
Benzo(a)pyrene	2.3		ug/l	0.53	0.08	5
Benzo(b)fluoranthene	3.5		ug/l	0.53	0.06	5
Benzo(k)fluoranthene	1.3		ug/l	0.53	0.05	5
Chrysene	2.2		ug/l	0.53	0.06	5
Acenaphthylene	ND		ug/l	0.53	0.06	5
Anthracene	0.12	J	ug/l	0.53	0.08	5
Benzo(ghi)perylene	1.6		ug/l	0.53	0.07	5
Fluorene	ND		ug/l	0.53	0.08	5
Phenanthrene	0.51	J	ug/l	0.53	0.12	5
Dibenzo(a,h)anthracene	0.41	J	ug/l	0.53	0.07	5
Indeno(1,2,3-cd)pyrene	1.7		ug/l	0.53	0.06	5
Pyrene	3.6		ug/l	0.53	0.10	5
2-Methylnaphthalene	0.60		ug/l	0.53	0.12	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	82		15-120
4-Terphenyl-d14	79		41-149

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/07/18 21:54
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 12/06/18 08:37

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,09 Batch: WG1186253-1					
Acenaphthene	ND		ug/kg	130	17.
2-Chloronaphthalene	ND		ug/kg	170	16.
Fluoranthene	ND		ug/kg	100	19.
Naphthalene	ND		ug/kg	170	20.
Benzo(a)anthracene	ND		ug/kg	100	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	100	28.
Benzo(k)fluoranthene	ND		ug/kg	100	26.
Chrysene	ND		ug/kg	100	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	100	32.
Benzo(ghi)perylene	ND		ug/kg	130	20.
Fluorene	ND		ug/kg	170	16.
Phenanthrene	ND		ug/kg	100	20.
Dibenzo(a,h)anthracene	ND		ug/kg	100	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	100	16.
2-Methylnaphthalene	ND		ug/kg	200	20.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	85		30-120
2,4,6-Tribromophenol	113		10-136
4-Terphenyl-d14	79		18-120

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 12/07/18 10:07
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 12/06/18 11:35

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 10-11,13-14 Batch: WG1186375-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		21-120
Phenol-d6	54		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	66		10-120
4-Terphenyl-d14	72		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 18-223391.3

Project Number: 18-223391.3

Lab Number: L1849637

Report Date: 12/11/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,09 Batch: WG1186253-2 WG1186253-3								
Acenaphthene	86		73		31-137	16		50
2-Chloronaphthalene	84		71		40-140	17		50
Fluoranthene	87		72		40-140	19		50
Naphthalene	78		65		40-140	18		50
Benzo(a)anthracene	81		66		40-140	20		50
Benzo(a)pyrene	92		75		40-140	20		50
Benzo(b)fluoranthene	94		74		40-140	24		50
Benzo(k)fluoranthene	86		73		40-140	16		50
Chrysene	81		67		40-140	19		50
Acenaphthylene	88		74		40-140	17		50
Anthracene	84		70		40-140	18		50
Benzo(ghi)perylene	89		73		40-140	20		50
Fluorene	91		77		40-140	17		50
Phenanthrene	79		66		40-140	18		50
Dibenzo(a,h)anthracene	90		74		40-140	20		50
Indeno(1,2,3-cd)pyrene	90		74		40-140	20		50
Pyrene	85		71		35-142	18		50
2-Methylnaphthalene	82		68		40-140	19		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 18-223391.3

Project Number: 18-223391.3

Lab Number: L1849637

Report Date: 12/11/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,09 Batch: WG1186253-2 WG1186253-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	79		66		25-120
Phenol-d6	79		65		10-120
Nitrobenzene-d5	73		62		23-120
2-Fluorobiphenyl	83		70		30-120
2,4,6-Tribromophenol	120		102		10-136
4-Terphenyl-d14	77		64		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 18-223391.3

Project Number: 18-223391.3

Lab Number: L1849637

Report Date: 12/11/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 10-11,13-14 Batch: WG1186375-2 WG1186375-3								
Acenaphthene	71		71		40-140	0		40
2-Chloronaphthalene	72		74		40-140	3		40
Fluoranthene	80		78		40-140	3		40
Naphthalene	62		66		40-140	6		40
Benzo(a)anthracene	82		81		40-140	1		40
Benzo(a)pyrene	83		81		40-140	2		40
Benzo(b)fluoranthene	79		78		40-140	1		40
Benzo(k)fluoranthene	82		80		40-140	2		40
Chrysene	76		74		40-140	3		40
Acenaphthylene	80		81		40-140	1		40
Anthracene	76		74		40-140	3		40
Benzo(ghi)perylene	85		83		40-140	2		40
Fluorene	78		75		40-140	4		40
Phenanthrene	73		72		40-140	1		40
Dibenzo(a,h)anthracene	89		86		40-140	3		40
Indeno(1,2,3-cd)pyrene	84		83		40-140	1		40
Pyrene	80		78		40-140	3		40
2-Methylnaphthalene	70		73		40-140	4		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: 18-223391.3

Project Number: 18-223391.3

Lab Number: L1849637

Report Date: 12/11/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 10-11,13-14 Batch: WG1186375-2 WG1186375-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	59		61		21-120
Phenol-d6	53		54		10-120
Nitrobenzene-d5	73		76		23-120
2-Fluorobiphenyl	81		82		15-120
2,4,6-Tribromophenol	85		78		10-120
4-Terphenyl-d14	85		80		41-149

PCBS

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849637-09
Client ID: B-9
Sample Location: 440 CLINTON ST., BUFFALO, NY 14204

Date Collected: 12/04/18 16:50
Date Received: 12/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/07/18 21:57
Analyst: HT
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 12/06/18 14:30
Cleanup Method: EPA 3665A
Cleanup Date: 12/07/18
Cleanup Method: EPA 3660B
Cleanup Date: 12/07/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.0	3.64	1	A
Aroclor 1221	ND		ug/kg	41.0	4.11	1	A
Aroclor 1232	ND		ug/kg	41.0	8.69	1	A
Aroclor 1242	ND		ug/kg	41.0	5.52	1	A
Aroclor 1248	ND		ug/kg	41.0	6.15	1	A
Aroclor 1254	ND		ug/kg	41.0	4.48	1	A
Aroclor 1260	ND		ug/kg	41.0	7.58	1	A
Aroclor 1262	ND		ug/kg	41.0	5.21	1	A
Aroclor 1268	ND		ug/kg	41.0	4.25	1	A
PCBs, Total	ND		ug/kg	41.0	3.64	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	58		30-150	B

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849637-13
Client ID: B-5GW
Sample Location: 440 CLINTON ST., BUFFALO, NY 14204

Date Collected: 12/04/18 13:45
Date Received: 12/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 12/08/18 02:43
Analyst: HT

Extraction Method: EPA 3510C
Extraction Date: 12/06/18 16:29
Cleanup Method: EPA 3665A
Cleanup Date: 12/06/18
Cleanup Method: EPA 3660B
Cleanup Date: 12/07/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.034	1	A
Aroclor 1221	ND		ug/l	0.083	0.067	1	A
Aroclor 1232	ND		ug/l	0.083	0.046	1	A
Aroclor 1242	ND		ug/l	0.083	0.039	1	A
Aroclor 1248	ND		ug/l	0.083	0.049	1	A
Aroclor 1254	ND		ug/l	0.083	0.039	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.035	1	A
Aroclor 1268	ND		ug/l	0.083	0.034	1	A
PCBs, Total	ND		ug/l	0.083	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	82		30-150	B

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 12/06/18 10:20
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 12/06/18 01:01
Cleanup Method: EPA 3665A
Cleanup Date: 12/06/18
Cleanup Method: EPA 3660B
Cleanup Date: 12/06/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 09 Batch: WG1186123-1						
Aroclor 1016	ND		ug/kg	31.8	2.82	A
Aroclor 1221	ND		ug/kg	31.8	3.18	A
Aroclor 1232	ND		ug/kg	31.8	6.74	A
Aroclor 1242	ND		ug/kg	31.8	4.28	A
Aroclor 1248	ND		ug/kg	31.8	4.77	A
Aroclor 1254	ND		ug/kg	31.8	3.48	A
Aroclor 1260	ND		ug/kg	31.8	5.87	A
Aroclor 1262	ND		ug/kg	31.8	4.04	A
Aroclor 1268	ND		ug/kg	31.8	3.29	A
PCBs, Total	ND		ug/kg	31.8	2.82	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	103		30-150	A
Decachlorobiphenyl	119		30-150	A
2,4,5,6-Tetrachloro-m-xylene	102		30-150	B
Decachlorobiphenyl	97		30-150	B

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 12/08/18 03:38
Analyst: HT

Extraction Method: EPA 3510C
Extraction Date: 12/06/18 16:29
Cleanup Method: EPA 3665A
Cleanup Date: 12/06/18
Cleanup Method: EPA 3660B
Cleanup Date: 12/07/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 13 Batch: WG1186489-1						
Aroclor 1016	ND		ug/l	0.083	0.034	A
Aroclor 1221	ND		ug/l	0.083	0.067	A
Aroclor 1232	ND		ug/l	0.083	0.046	A
Aroclor 1242	ND		ug/l	0.083	0.039	A
Aroclor 1248	ND		ug/l	0.083	0.049	A
Aroclor 1254	ND		ug/l	0.083	0.039	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.035	A
Aroclor 1268	ND		ug/l	0.083	0.034	A
PCBs, Total	ND		ug/l	0.083	0.032	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	84		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 18-223391.3

Project Number: 18-223391.3

Lab Number: L1849637

Report Date: 12/11/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 09 Batch: WG1186123-2 WG1186123-3									
Aroclor 1016	103		110		40-140	7		50	A
Aroclor 1260	110		121		40-140	10		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		98		30-150	A
Decachlorobiphenyl	105		112		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		96		30-150	B
Decachlorobiphenyl	84		91		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 18-223391.3

Project Number: 18-223391.3

Lab Number: L1849637

Report Date: 12/11/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 13 Batch: WG1186489-2 WG1186489-3									
Aroclor 1016	71		68		40-140	4		50	A
Aroclor 1260	72		69		40-140	4		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		78		30-150	A
Decachlorobiphenyl	80		76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		76		30-150	B
Decachlorobiphenyl	82		80		30-150	B

METALS

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849637-02 Date Collected: 12/04/18 14:00

Client ID: B-2 Date Received: 12/05/18

Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	4.30		mg/kg	0.503	0.105	1	12/07/18 12:55	12/07/18 17:38	EPA 3050B	1,6010D	LC
Barium, Total	78.9		mg/kg	0.503	0.088	1	12/07/18 12:55	12/07/18 17:38	EPA 3050B	1,6010D	LC
Cadmium, Total	0.473	J	mg/kg	0.503	0.049	1	12/07/18 12:55	12/07/18 17:38	EPA 3050B	1,6010D	LC
Chromium, Total	15.6		mg/kg	0.503	0.048	1	12/07/18 12:55	12/07/18 17:38	EPA 3050B	1,6010D	LC
Lead, Total	10.4		mg/kg	2.52	0.135	1	12/07/18 12:55	12/07/18 17:38	EPA 3050B	1,6010D	LC
Mercury, Total	ND		mg/kg	0.080	0.017	1	12/07/18 10:00	12/07/18 20:24	EPA 7471B	1,7471B	EA
Selenium, Total	0.544	J	mg/kg	1.01	0.130	1	12/07/18 12:55	12/07/18 17:38	EPA 3050B	1,6010D	LC
Silver, Total	0.201	J	mg/kg	0.503	0.142	1	12/07/18 12:55	12/07/18 17:38	EPA 3050B	1,6010D	LC

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849637-04 Date Collected: 12/04/18 12:30

Client ID: B-4 Date Received: 12/05/18

Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	4.92		mg/kg	0.457	0.095	1	12/07/18 12:55	12/07/18 17:43	EPA 3050B	1,6010D	LC
Barium, Total	86.6		mg/kg	0.457	0.080	1	12/07/18 12:55	12/07/18 17:43	EPA 3050B	1,6010D	LC
Cadmium, Total	0.443	J	mg/kg	0.457	0.045	1	12/07/18 12:55	12/07/18 17:43	EPA 3050B	1,6010D	LC
Chromium, Total	16.1		mg/kg	0.457	0.044	1	12/07/18 12:55	12/07/18 17:43	EPA 3050B	1,6010D	LC
Lead, Total	12.7		mg/kg	2.28	0.122	1	12/07/18 12:55	12/07/18 17:43	EPA 3050B	1,6010D	LC
Mercury, Total	ND		mg/kg	0.075	0.016	1	12/07/18 10:00	12/07/18 20:30	EPA 7471B	1,7471B	EA
Selenium, Total	0.471	J	mg/kg	0.914	0.118	1	12/07/18 12:55	12/07/18 17:43	EPA 3050B	1,6010D	LC
Silver, Total	0.160	J	mg/kg	0.457	0.129	1	12/07/18 12:55	12/07/18 17:43	EPA 3050B	1,6010D	LC

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849637-09 Date Collected: 12/04/18 16:50

Client ID: B-9 Date Received: 12/05/18

Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	8.94		mg/kg	0.490	0.102	1	12/07/18 12:55	12/07/18 17:48	EPA 3050B	1,6010D	LC
Barium, Total	80.5		mg/kg	0.490	0.085	1	12/07/18 12:55	12/07/18 17:48	EPA 3050B	1,6010D	LC
Cadmium, Total	0.500		mg/kg	0.490	0.048	1	12/07/18 12:55	12/07/18 17:48	EPA 3050B	1,6010D	LC
Chromium, Total	16.1		mg/kg	0.490	0.047	1	12/07/18 12:55	12/07/18 17:48	EPA 3050B	1,6010D	LC
Lead, Total	10.3		mg/kg	2.45	0.131	1	12/07/18 12:55	12/07/18 17:48	EPA 3050B	1,6010D	LC
Mercury, Total	ND		mg/kg	0.077	0.016	1	12/07/18 10:00	12/07/18 20:31	EPA 7471B	1,7471B	EA
Selenium, Total	0.524	J	mg/kg	0.980	0.126	1	12/07/18 12:55	12/07/18 17:48	EPA 3050B	1,6010D	LC
Silver, Total	0.216	J	mg/kg	0.490	0.139	1	12/07/18 12:55	12/07/18 17:48	EPA 3050B	1,6010D	LC

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849637-10 Date Collected: 12/04/18 11:50

Client ID: B-1GW Date Received: 12/05/18

Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Arsenic, Dissolved	0.00229		mg/l	0.00050	0.00016	1	12/07/18 20:35	12/10/18 10:23	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.1471		mg/l	0.00050	0.00017	1	12/07/18 20:35	12/10/18 10:23	EPA 3005A	1,6020B	AM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	12/07/18 20:35	12/10/18 10:23	EPA 3005A	1,6020B	AM
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	12/07/18 20:35	12/10/18 10:23	EPA 3005A	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	12/07/18 20:35	12/10/18 10:23	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	12/07/18 11:39	12/07/18 15:49	EPA 7470A	1,7470A	MG
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	12/07/18 20:35	12/10/18 10:23	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	12/07/18 20:35	12/10/18 10:23	EPA 3005A	1,6020B	AM

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849637-11 Date Collected: 12/04/18 12:00

Client ID: B-3GW Date Received: 12/05/18

Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Arsenic, Dissolved	0.00736		mg/l	0.00050	0.00016	1	12/07/18 20:35	12/10/18 10:28	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.2602		mg/l	0.00050	0.00017	1	12/07/18 20:35	12/10/18 10:28	EPA 3005A	1,6020B	AM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	12/07/18 20:35	12/10/18 10:28	EPA 3005A	1,6020B	AM
Chromium, Dissolved	0.00044	J	mg/l	0.00100	0.00017	1	12/07/18 20:35	12/10/18 10:28	EPA 3005A	1,6020B	AM
Lead, Dissolved	0.00046	J	mg/l	0.00100	0.00034	1	12/07/18 20:35	12/10/18 10:28	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	12/07/18 11:39	12/07/18 15:51	EPA 7470A	1,7470A	MG
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	12/07/18 20:35	12/10/18 10:28	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	12/07/18 20:35	12/10/18 10:28	EPA 3005A	1,6020B	AM

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849637-13 Date Collected: 12/04/18 13:45

Client ID: B-5GW Date Received: 12/05/18

Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Arsenic, Dissolved	0.00618		mg/l	0.00050	0.00016	1	12/07/18 20:35	12/10/18 11:05	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.2648		mg/l	0.00050	0.00017	1	12/07/18 20:35	12/10/18 11:05	EPA 3005A	1,6020B	AM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	12/07/18 20:35	12/10/18 11:05	EPA 3005A	1,6020B	AM
Chromium, Dissolved	0.00052	J	mg/l	0.00100	0.00017	1	12/07/18 20:35	12/10/18 11:05	EPA 3005A	1,6020B	AM
Lead, Dissolved	0.00043	J	mg/l	0.00100	0.00034	1	12/07/18 20:35	12/10/18 11:05	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	12/07/18 11:39	12/07/18 15:54	EPA 7470A	1,7470A	MG
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	12/07/18 20:35	12/10/18 11:05	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	12/07/18 20:35	12/10/18 11:05	EPA 3005A	1,6020B	AM

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849637-14 Date Collected: 12/04/18 15:10

Client ID: B-6GW Date Received: 12/05/18

Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Arsenic, Dissolved	0.00507		mg/l	0.00050	0.00016	1	12/07/18 20:35	12/10/18 11:09	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.04794		mg/l	0.00050	0.00017	1	12/07/18 20:35	12/10/18 11:09	EPA 3005A	1,6020B	AM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	12/07/18 20:35	12/10/18 11:09	EPA 3005A	1,6020B	AM
Chromium, Dissolved	0.00021	J	mg/l	0.00100	0.00017	1	12/07/18 20:35	12/10/18 11:09	EPA 3005A	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	12/07/18 20:35	12/10/18 11:09	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	12/07/18 11:39	12/07/18 15:56	EPA 7470A	1,7470A	MG
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	12/07/18 20:35	12/10/18 11:09	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	12/07/18 20:35	12/10/18 11:09	EPA 3005A	1,6020B	AM

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 02,04,09 Batch: WG1186643-1										
Mercury, Total	ND		mg/kg	0.083	0.018	1	12/07/18 10:00	12/07/18 19:55	1,7471B	EA

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 10-11,13-14 Batch: WG1186832-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	12/07/18 11:39	12/07/18 15:29	1,7470A	MG

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 02,04,09 Batch: WG1186846-1										
Arsenic, Total	ND		mg/kg	0.400	0.083	1	12/07/18 12:55	12/07/18 16:22	1,6010D	LC
Barium, Total	ND		mg/kg	0.400	0.070	1	12/07/18 12:55	12/07/18 16:22	1,6010D	LC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	12/07/18 12:55	12/07/18 16:22	1,6010D	LC
Chromium, Total	ND		mg/kg	0.400	0.038	1	12/07/18 12:55	12/07/18 16:22	1,6010D	LC
Lead, Total	ND		mg/kg	2.00	0.107	1	12/07/18 12:55	12/07/18 16:22	1,6010D	LC
Selenium, Total	ND		mg/kg	0.800	0.103	1	12/07/18 12:55	12/07/18 16:22	1,6010D	LC
Silver, Total	ND		mg/kg	0.400	0.113	1	12/07/18 12:55	12/07/18 16:22	1,6010D	LC

Prep Information

Digestion Method: EPA 3050B

Project Name: 18-223391.3 **Lab Number:** L1849637

Project Number: 18-223391.3 **Report Date:** 12/11/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 10-11,13-14 Batch: WG1187014-1										
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	12/07/18 20:35	12/10/18 10:01	1,6020B	AM
Barium, Dissolved	ND		mg/l	0.00050	0.00017	1	12/07/18 20:35	12/10/18 10:01	1,6020B	AM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	12/07/18 20:35	12/10/18 10:01	1,6020B	AM
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	12/07/18 20:35	12/10/18 10:01	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	12/07/18 20:35	12/10/18 10:01	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	12/07/18 20:35	12/10/18 10:01	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	12/07/18 20:35	12/10/18 10:01	1,6020B	AM

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 18-223391.3

Project Number: 18-223391.3

Lab Number: L1849637

Report Date: 12/11/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,04,09 Batch: WG1186643-2 SRM Lot Number: D102-540								
Mercury, Total	117		-		65-134	-		
Dissolved Metals - Mansfield Lab Associated sample(s): 10-11,13-14 Batch: WG1186832-2								
Mercury, Dissolved	98		-		80-120	-		
Total Metals - Mansfield Lab Associated sample(s): 02,04,09 Batch: WG1186846-2 SRM Lot Number: D102-540								
Arsenic, Total	114		-		83-117	-		
Barium, Total	94		-		83-118	-		
Cadmium, Total	108		-		83-118	-		
Chromium, Total	103		-		83-117	-		
Lead, Total	106		-		82-118	-		
Selenium, Total	108		-		79-121	-		
Silver, Total	105		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 18-223391.3

Project Number: 18-223391.3

Lab Number: L1849637

Report Date: 12/11/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 10-11,13-14 Batch: WG1187014-2					
Arsenic, Dissolved	100	-	80-120	-	
Barium, Dissolved	103	-	80-120	-	
Cadmium, Dissolved	108	-	80-120	-	
Chromium, Dissolved	101	-	80-120	-	
Lead, Dissolved	102	-	80-120	-	
Selenium, Dissolved	98	-	80-120	-	
Silver, Dissolved	108	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 18-223391.3
Project Number: 18-223391.3

Lab Number: L1849637
Report Date: 12/11/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,04,09 QC Batch ID: WG1186643-3 WG1186643-4 QC Sample: L1849328-13 Client ID: MS Sample												
Mercury, Total	0.438	0.132	0.559	91		0.543	**77**	Q	80-120	3		20
Dissolved Metals - Mansfield Lab Associated sample(s): 10-11,13-14 QC Batch ID: WG1186832-3 QC Sample: L1849284-01 Client ID: MS Sample												
Mercury, Dissolved	ND	0.005	0.00422	84		-	-		75-125	-		20
Total Metals - Mansfield Lab Associated sample(s): 02,04,09 QC Batch ID: WG1186846-3 QC Sample: L1850110-01 Client ID: MS Sample												
Arsenic, Total	7.30	10.2	17.0	95		-	-		75-125	-		20
Barium, Total	28.0	170	181	90		-	-		75-125	-		20
Cadmium, Total	0.298J	4.33	4.42	102		-	-		75-125	-		20
Chromium, Total	10.0	17	26.1	95		-	-		75-125	-		20
Lead, Total	22.1	43.3	54.9	76		-	-		75-125	-		20
Selenium, Total	0.447J	10.2	9.32	91		-	-		75-125	-		20
Silver, Total	ND	25.5	26.9	106		-	-		75-125	-		20
Dissolved Metals - Mansfield Lab Associated sample(s): 10-11,13-14 QC Batch ID: WG1187014-3 QC Sample: L1849637-10 Client ID: B-1GW												
Arsenic, Dissolved	0.00229	0.12	0.1206	98		-	-		75-125	-		20
Barium, Dissolved	0.1471	2	2.203	103		-	-		75-125	-		20
Cadmium, Dissolved	ND	0.051	0.05451	107		-	-		75-125	-		20
Chromium, Dissolved	ND	0.2	0.1980	99		-	-		75-125	-		20
Lead, Dissolved	ND	0.51	0.5095	100		-	-		75-125	-		20
Selenium, Dissolved	ND	0.12	0.121	101		-	-		75-125	-		20
Silver, Dissolved	ND	0.05	0.05375	108		-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 18-223391.3
Project Number: 18-223391.3

Lab Number: L1849637
Report Date: 12/11/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 10-11,13-14 QC Batch ID: WG1186832-4 QC Sample: L1849284-01 Client ID: DUP Sample						
Mercury, Dissolved	ND	0.00007J	mg/l	NC		20
Total Metals - Mansfield Lab Associated sample(s): 02,04,09 QC Batch ID: WG1186846-4 QC Sample: L1850110-01 Client ID: DUP Sample						
Arsenic, Total	7.30	7.69	mg/kg	5		20
Barium, Total	28.0	26.9	mg/kg	4		20
Cadmium, Total	0.298J	0.315J	mg/kg	NC		20
Chromium, Total	10.0	9.72	mg/kg	3		20
Lead, Total	22.1	21.2	mg/kg	4		20
Selenium, Total	0.447J	0.721J	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Dissolved Metals - Mansfield Lab Associated sample(s): 10-11,13-14 QC Batch ID: WG1187014-4 QC Sample: L1849637-10 Client ID: B-1GW						
Arsenic, Dissolved	0.00229	0.00234	mg/l	2		20
Barium, Dissolved	0.1471	0.1463	mg/l	1		20
Cadmium, Dissolved	ND	ND	mg/l	NC		20
Chromium, Dissolved	ND	ND	mg/l	NC		20
Lead, Dissolved	ND	ND	mg/l	NC		20
Selenium, Dissolved	ND	ND	mg/l	NC		20
Silver, Dissolved	ND	ND	mg/l	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: 18-223391.3
Project Number: 18-223391.3

Lab Number: L1849637
Report Date: 12/11/18

SAMPLE RESULTS

Lab ID: L1849637-02
Client ID: B-2
Sample Location: 440 CLINTON ST., BUFFALO, NY 14204

Date Collected: 12/04/18 14:00
Date Received: 12/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.2		%	0.100	NA	1	-	12/06/18 12:35	121,2540G	RI

Project Name: 18-223391.3
Project Number: 18-223391.3

Lab Number: L1849637
Report Date: 12/11/18

SAMPLE RESULTS

Lab ID: L1849637-04
Client ID: B-4
Sample Location: 440 CLINTON ST., BUFFALO, NY 14204

Date Collected: 12/04/18 12:30
Date Received: 12/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.9		%	0.100	NA	1	-	12/06/18 12:35	121,2540G	RI

Project Name: 18-223391.3
Project Number: 18-223391.3

Lab Number: L1849637
Report Date: 12/11/18

SAMPLE RESULTS

Lab ID: L1849637-09
Client ID: B-9
Sample Location: 440 CLINTON ST., BUFFALO, NY 14204

Date Collected: 12/04/18 16:50
Date Received: 12/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.1		%	0.100	NA	1	-	12/06/18 12:35	121,2540G	RI

Lab Duplicate Analysis

Batch Quality Control

Project Name: 18-223391.3
Project Number: 18-223391.3

Lab Number: L1849637
Report Date: 12/11/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02,04,09 QC Batch ID: WG1186376-1 QC Sample: L1849338-12 Client ID: DUP Sample						
Solids, Total	83.9	83.9	%	0		20

Project Name: 18-223391.3
Project Number: 18-223391.3

Lab Number: L1849637
Report Date: 12/11/18

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(*)
L1849637-01A	Vial MeOH preserved	A	NA		4.1	Y	Absent		HOLD-8260HLW(14)
L1849637-01B	Vial water preserved	A	NA		4.1	Y	Absent	06-DEC-18 06:29	HOLD-8260HLW(14)
L1849637-01C	Vial water preserved	A	NA		4.1	Y	Absent	06-DEC-18 06:29	HOLD-8260HLW(14)
L1849637-01D	Plastic 2oz unpreserved for TS	A	NA		4.1	Y	Absent		HOLD-WETCHEM()
L1849637-01D1	Glass 250ml/8oz unpreserved	A	NA		4.1	Y	Absent		HOLD-WETCHEM()
L1849637-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.1	Y	Absent		HOLD-METAL(180)
L1849637-01F	Glass 120ml/4oz unpreserved	A	NA		4.1	Y	Absent		HOLD-8270(14)
L1849637-02A	Vial MeOH preserved	A	NA		4.1	Y	Absent		NYTCL-8260HLW-R2(14)
L1849637-02B	Vial water preserved	A	NA		4.1	Y	Absent	06-DEC-18 06:29	NYTCL-8260HLW-R2(14)
L1849637-02C	Vial water preserved	A	NA		4.1	Y	Absent	06-DEC-18 06:29	NYTCL-8260HLW-R2(14)
L1849637-02D	Plastic 2oz unpreserved for TS	A	NA		4.1	Y	Absent		TS(7)
L1849637-02D1	Plastic 2oz unpreserved for TS	A	NA		4.1	Y	Absent		TS(7)
L1849637-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.1	Y	Absent		AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L1849637-02F	Glass 120ml/4oz unpreserved	A	NA		4.1	Y	Absent		NYTCL-8270(14)
L1849637-03A	Vial MeOH preserved	A	NA		4.1	Y	Absent		HOLD-8260HLW(14)
L1849637-03B	Vial water preserved	A	NA		4.1	Y	Absent	06-DEC-18 06:29	HOLD-8260HLW(14)
L1849637-03C	Vial water preserved	A	NA		4.1	Y	Absent	06-DEC-18 06:29	HOLD-8260HLW(14)
L1849637-03D	Plastic 2oz unpreserved for TS	A	NA		4.1	Y	Absent		HOLD-WETCHEM()
L1849637-03D1	Plastic 2oz unpreserved for TS	A	NA		4.1	Y	Absent		HOLD-WETCHEM()
L1849637-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.1	Y	Absent		HOLD-METAL(180)
L1849637-03F	Glass 120ml/4oz unpreserved	A	NA		4.1	Y	Absent		HOLD-8270(14)
L1849637-04A	Vial MeOH preserved	A	NA		4.1	Y	Absent		NYTCL-8260HLW-R2(14)

*Values in parentheses indicate holding time in days

Project Name: 18-223391.3
Project Number: 18-223391.3

Lab Number: L1849637
Report Date: 12/11/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1849637-04B	Vial water preserved	A	NA		4.1	Y	Absent	06-DEC-18 06:29	NYTCL-8260HLW-R2(14)
L1849637-04C	Vial water preserved	A	NA		4.1	Y	Absent	06-DEC-18 06:29	NYTCL-8260HLW-R2(14)
L1849637-04D	Plastic 2oz unpreserved for TS	A	NA		4.1	Y	Absent		TS(7)
L1849637-04D1	Plastic 2oz unpreserved for TS	A	NA		4.1	Y	Absent		TS(7)
L1849637-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.1	Y	Absent		AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L1849637-04F	Glass 120ml/4oz unpreserved	A	NA		4.1	Y	Absent		NYTCL-8270(14)
L1849637-05A	Vial MeOH preserved	A	NA		4.1	Y	Absent		HOLD-8260HLW(14)
L1849637-05B	Vial water preserved	A	NA		4.1	Y	Absent	06-DEC-18 06:29	HOLD-8260HLW(14)
L1849637-05C	Vial water preserved	A	NA		4.1	Y	Absent	06-DEC-18 06:29	HOLD-8260HLW(14)
L1849637-05D	Plastic 2oz unpreserved for TS	A	NA		4.1	Y	Absent		HOLD-WETCHEM()
L1849637-05D1	Glass 250ml/8oz unpreserved	A	NA		4.1	Y	Absent		HOLD-WETCHEM()
L1849637-05E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.1	Y	Absent		HOLD-METAL(180)
L1849637-05F	Glass 60mL/2oz unpreserved	A	NA		4.1	Y	Absent		HOLD-8270(14),HOLD-8082()
L1849637-05G	Glass 120ml/4oz unpreserved	A	NA		4.1	Y	Absent		HOLD-8270(14),HOLD-8082()
L1849637-06A	Vial MeOH preserved	A	NA		4.1	Y	Absent		HOLD-8260HLW(14)
L1849637-06B	Vial water preserved	A	NA		4.1	Y	Absent	06-DEC-18 06:29	HOLD-8260HLW(14)
L1849637-06C	Vial water preserved	A	NA		4.1	Y	Absent	06-DEC-18 06:29	HOLD-8260HLW(14)
L1849637-06D	Plastic 2oz unpreserved for TS	A	NA		4.1	Y	Absent		HOLD-WETCHEM()
L1849637-06D1	Glass 250ml/8oz unpreserved	A	NA		4.1	Y	Absent		HOLD-WETCHEM()
L1849637-06E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.1	Y	Absent		HOLD-METAL(180)
L1849637-06F	Glass 120ml/4oz unpreserved	A	NA		4.1	Y	Absent		HOLD-8270(14)
L1849637-07A	Vial MeOH preserved	A	NA		4.1	Y	Absent		HOLD-8260HLW(14)
L1849637-07B	Vial water preserved	A	NA		4.1	Y	Absent	06-DEC-18 06:29	HOLD-8260HLW(14)
L1849637-07C	Vial water preserved	A	NA		4.1	Y	Absent	06-DEC-18 06:29	HOLD-8260HLW(14)
L1849637-07D	Plastic 2oz unpreserved for TS	A	NA		4.1	Y	Absent		HOLD-WETCHEM()
L1849637-08A	Vial MeOH preserved	A	NA		4.1	Y	Absent		HOLD-8260HLW(14)
L1849637-08B	Vial water preserved	A	NA		4.1	Y	Absent	06-DEC-18 06:29	HOLD-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: 18-223391.3
Project Number: 18-223391.3

Lab Number: L1849637
Report Date: 12/11/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1849637-08C	Vial water preserved	A	NA		4.1	Y	Absent	06-DEC-18 06:29	HOLD-8260HLW(14)
L1849637-08D	Plastic 2oz unpreserved for TS	A	NA		4.1	Y	Absent		HOLD-WETCHEM()
L1849637-09A	Vial MeOH preserved	A	NA		4.1	Y	Absent		NYTCL-8260HLW-R2(14)
L1849637-09B	Vial water preserved	A	NA		4.1	Y	Absent	06-DEC-18 06:29	NYTCL-8260HLW-R2(14)
L1849637-09C	Vial water preserved	A	NA		4.1	Y	Absent	06-DEC-18 06:29	NYTCL-8260HLW-R2(14)
L1849637-09D	Plastic 2oz unpreserved for TS	A	NA		4.1	Y	Absent		TS(7)
L1849637-09D1	Plastic 2oz unpreserved for TS	A	NA		4.1	Y	Absent		TS(7)
L1849637-09D2	Plastic 2oz unpreserved for TS	A	NA		4.1	Y	Absent		TS(7)
L1849637-09E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.1	Y	Absent		AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L1849637-09F	Glass 60mL/2oz unpreserved	A	NA		4.1	Y	Absent		NYTCL-8270(14),NYTCL-8082(14)
L1849637-09G	Glass 120ml/4oz unpreserved	A	NA		4.1	Y	Absent		NYTCL-8270(14),NYTCL-8082(14)
L1849637-10A	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260-R2(14)
L1849637-10B	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260-R2(14)
L1849637-10C	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260-R2(14)
L1849637-10D	Plastic 250ml unpreserved	A	7	7	4.1	Y	Absent		-
L1849637-10E	Amber 250ml unpreserved	A	7	7	4.1	Y	Absent		NYTCL-8270-SIM-LVI(7)
L1849637-10F	Amber 250ml unpreserved	A	7	7	4.1	Y	Absent		NYTCL-8270-SIM-LVI(7)
L1849637-10X	Plastic 250ml HNO3 preserved Filtrates	A	NA		4.1	Y	Absent		SE-6020S(180),CR-6020S(180),BA-6020S(180),PB-6020S(180),AG-6020S(180),AS-6020S(180),CD-6020S(180),HG-S(28)
L1849637-11A	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260-R2(14)
L1849637-11B	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260-R2(14)
L1849637-11C	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260-R2(14)
L1849637-11D	Plastic 250ml unpreserved	A	7	7	4.1	Y	Absent		-
L1849637-11E	Amber 250ml unpreserved	A	7	7	4.1	Y	Absent		NYTCL-8270-SIM-LVI(7)
L1849637-11F	Amber 250ml unpreserved	A	7	7	4.1	Y	Absent		NYTCL-8270-SIM-LVI(7)
L1849637-11X	Plastic 250ml HNO3 preserved Filtrates	A	NA		4.1	Y	Absent		SE-6020S(180),CR-6020S(180),BA-6020S(180),PB-6020S(180),AG-6020S(180),AS-6020S(180),CD-6020S(180),HG-S(28)

*Values in parentheses indicate holding time in days

Project Name: 18-223391.3
Project Number: 18-223391.3

Lab Number: L1849637
Report Date: 12/11/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1849637-12A	Vial HCl preserved	A	NA		4.1	Y	Absent		HOLD-8260(14)
L1849637-12B	Vial HCl preserved	A	NA		4.1	Y	Absent		HOLD-8260(14)
L1849637-12C	Vial HCl preserved	A	NA		4.1	Y	Absent		HOLD-8260(14)
L1849637-12D	Plastic 250ml unpreserved	A	7	7	4.1	Y	Absent		-
L1849637-12E	Amber 250ml unpreserved	A	7	7	4.1	Y	Absent		HOLD-8270(7)
L1849637-12F	Amber 250ml unpreserved	A	7	7	4.1	Y	Absent		HOLD-8270(7)
L1849637-12X	Plastic 250ml HNO3 preserved Filtrates	A	NA		4.1	Y	Absent		-
L1849637-13A	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260-R2(14)
L1849637-13B	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260-R2(14)
L1849637-13C	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260-R2(14)
L1849637-13D	Plastic 250ml unpreserved	A	7	7	4.1	Y	Absent		-
L1849637-13E	Amber 120ml unpreserved	A	7	7	4.1	Y	Absent		NYTCL-8082-LVI(7)
L1849637-13F	Amber 120ml unpreserved	A	7	7	4.1	Y	Absent		NYTCL-8082-LVI(7)
L1849637-13G	Amber 250ml unpreserved	A	7	7	4.1	Y	Absent		NYTCL-8270-SIM-LVI(7)
L1849637-13H	Amber 250ml unpreserved	A	7	7	4.1	Y	Absent		NYTCL-8270-SIM-LVI(7)
L1849637-13X	Plastic 250ml HNO3 preserved Filtrates	A	NA		4.1	Y	Absent		SE-6020S(180),CR-6020S(180),BA-6020S(180),PB-6020S(180),AG-6020S(180),AS-6020S(180),CD-6020S(180),HG-S(28)
L1849637-14A	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260-R2(14)
L1849637-14B	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260-R2(14)
L1849637-14C	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260-R2(14)
L1849637-14D	Plastic 250ml unpreserved	A	7	7	4.1	Y	Absent		-
L1849637-14E	Amber 250ml unpreserved	A	7	7	4.1	Y	Absent		NYTCL-8270-SIM-LVI(7)
L1849637-14F	Amber 250ml unpreserved	A	7	7	4.1	Y	Absent		NYTCL-8270-SIM-LVI(7)
L1849637-14X	Plastic 250ml HNO3 preserved Filtrates	A	NA		4.1	Y	Absent		SE-6020S(180),CR-6020S(180),BA-6020S(180),PB-6020S(180),AG-6020S(180),AS-6020S(180),CD-6020S(180),HG-S(28)
L1849637-15A	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260-R2(14)
L1849637-15B	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: 18-223391.3
Project Number: 18-223391.3

Lab Number: L1849637
Report Date: 12/11/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1849637-15C	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260-R2(14)
L1849637-16A	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260-R2(14)
L1849637-16B	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260-R2(14)
L1849637-16C	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260-R2(14)
L1849637-17A	Vial HCl preserved	A	NA		4.1	Y	Absent		HOLD-8260(14)
L1849637-17B	Vial HCl preserved	A	NA		4.1	Y	Absent		HOLD-8260(14)
L1849637-17C	Vial HCl preserved	A	NA		4.1	Y	Absent		HOLD-8260(14)
L1849637-17D	Plastic 250ml unpreserved	A	7	7	4.1	Y	Absent		-
L1849637-17E	Amber 120ml unpreserved	A	7	7	4.1	Y	Absent		HOLD-8082()
L1849637-17F	Amber 120ml unpreserved	A	7	7	4.1	Y	Absent		HOLD-8082()
L1849637-17G	Amber 250ml unpreserved	A	7	7	4.1	Y	Absent		HOLD-8270(7)
L1849637-17H	Amber 250ml unpreserved	A	7	7	4.1	Y	Absent		HOLD-8270(7)
L1849637-17X	Plastic 250ml HNO3 preserved Filtrates	A	NA		4.1	Y	Absent		-
L1849637-18A	Amber 250ml unpreserved	A	7	7	4.1	Y	Absent		HOLD-8270(7)

*Values in parentheses indicate holding time in days

Project Name:	18-223391.3	**Lab Number:**	L1849637
Project Number:	18-223391.3	**Report Date:**	12/11/18

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:	18-223391.3	**Lab Number:**	L1849637
Project Number:	18-223391.3	**Report Date:**	12/11/18

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:	18-223391.3	**Lab Number:**	L1849637
Project Number:	18-223391.3	**Report Date:**	12/11/18

REFERENCES

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

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

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 2

Date Rec'd in Lab: 12/6/18

ALPHA Job #: L1849637

Client Information
Client: Partner Assessment Corp
Address: 611 Industrial Way W.
Eatontown NJ 07724
Phone: 732-380 1700
Fax: 732-380 1701
Email: jlukle@partnerassoc.com

Project Information
Project Name: 18-223391.3
Project Location: 440 Clinton St Buffalo, NY 14204
Project #: 18-223391.3
(Use Project name as Project #) ☐
Project Manager: Alex Smith
ALPHAQuote #:

Turn-Around Time
Standard ☒ 5 Days Due Date:
Rush (only if pre approved) ☐ # of Days:

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	VOCs (8260)	PAHs (8270)	RCRA 8 Metals (6010/7471)	PCBs (8082)	Sample Specific Comments	Total Bottle
49637-01	B-1	12/4/18	10:25	S	JL	X	X	X			
-02	B-2		14:00	S	JL	X	X	X			
-03	B-3		11:30	S	JL	X	X	X			
-04	B-4		12:30	S	JL	X	X	X			
-05	B-5		13:30	S	JL	X	X	X	X		
-06	B-6		15:00	S	JL	X	X	X			
-07	B-7		15:55	S	JL	X					
-08	B-8		16:15	S	JL	X					
-09	B-9	12/4/18	16:50	S	JL	X	X	X	X		
		~~12/4/18~~		~~S~~	~~JL~~						

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

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

Container Type									
Preservative									

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	12/5/18 10:05	[signature]	12/5/18 10:05
[signature]	12/5/18 11:50	[signature]	12/6/18 0135

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)

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: 2 of 2

Date Rec'd in Lab: 12/6/18

ALPHA Job #: 12849637

Client Information

Client: Partner Assessment Corp
Address: 611 Industrial Way W
Eatontown NJ 07724
Phone: 732-320-1700
Fax: 732-320-1701
Email: asmith@partnersi.com, jdalakos@partnersi.com

Project Information

Project Name: 18-223391.3
Project Location: 440 Clinton St Buffalo, NY 14204
Project #: 18-223391.3
(Use Project name as Project #): ☐
Project Manager: Alex Smith
ALPHAQuote #:

Turn-Around Time

Standard: ☒ 5 Day Due Date:
Rush (only if pre approved): ☐ # of Days:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please Lab filter groundwater samples for the metal analysis

Please specify Metals or TAL.

Deliverables

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

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

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

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other:

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs (8260)	PAHs (8270)	RCRA 8 Metals (6010/7471) Cr(VI) (7196) Cr(III) (Calculated)	PCBs (8082)					Total Bottle
49637-10	B-1GW	12/4/18	11:50	GW	JL	X	X	X						
-11	B-3GW		12:00			X	X	X						
-12	B-4GW		12:50			X	X	X						
-13	B-5GW		13:45			X	X	X		X				
-14	B-6GW		15:10			X	X	X						
-15	B-7GW		16:00			X								
-16	B-8GW	12/4/18	16:20	GW	JL	X								
-17	B-9GW	12/5/18	9:40	GW	JL	X	X	X		X				

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

Sample Specific Comments

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

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

Container Type														
Preservative														

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	12/5/18 1050	[signature] 12/6/18	12/6/18 0135
[signature]	12/5/18 1150		

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)

JOB: L1849818 REPORT STYLE: Data Usability Report
0010: Alpha Analytical Report Cover Page - OK
0015: Sample Cross Reference Summary - OK
0060: Case Narrative - OK
0100: Volatiles Cover Page - OK
0110: Volatiles Sample Results - OK
0120: Volatiles Method Blank Report - OK
0130: Volatiles LCS Report - OK
0180: Semivolatiles Cover Page - OK
0190: Semivolatiles Sample Results - OK
0200: Semivolatiles Method Blank Report - OK
0210: Semivolatiles LCS Report - OK
0700: PCBs Cover Page - OK
0710: PCBs Sample Results - OK
0720: PCBs Method Blank Report - OK
0730: PCBs LCS Report - OK
1005: Metals Sample Results - OK
1010: Metals Method Blank Report - OK
1020: Metals LCS Report - OK
1040: Metals Matrix Spike Report - OK
1050: Metals Duplicate Report - OK
1180: Inorganics Cover Page - OK
1200: Wet Chemistry Sample Results - OK
1250: Wet Chemistry Duplicate Report - OK
5100: Sample Receipt & Container Information Report - OK
5200: Glossary - OK
5400: References - OK

ANALYTICAL REPORT

Lab Number:	L1849818
Client:	Partner Engineering & Science, Inc. 611 Industrial Way W. Eatontown, NJ 07724
ATTN:	Alex Smith
Phone:	(732) 380-1700
Project Name:	18-223391.3
Project Number:	18-223391.3
Report Date:	12/11/18

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

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

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

Project Name: 18-223391.3
Project Number: 18-223391.3

Lab Number: L1849818
Report Date: 12/11/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1849818-01	B-10	SOIL	440 CLINTON ST., BUFFALO, NY 14204	12/05/18 08:20	12/05/18
L1849818-02	B-11	SOIL	440 CLINTON ST., BUFFALO, NY 14204	12/05/18 08:50	12/05/18
L1849818-03	B-12	SOIL	440 CLINTON ST., BUFFALO, NY 14204	12/05/18 10:40	12/05/18
L1849818-04	B-13	SOIL	440 CLINTON ST., BUFFALO, NY 14204	12/05/18 11:20	12/05/18
L1849818-05	B-14	SOIL	440 CLINTON ST., BUFFALO, NY 14204	12/05/18 11:45	12/05/18
L1849818-06	B-15	SOIL	440 CLINTON ST., BUFFALO, NY 14204	12/05/18 12:45	12/05/18
L1849818-07	B-16	SOIL	440 CLINTON ST., BUFFALO, NY 14204	12/05/18 13:25	12/05/18
L1849818-08	B-17	SOIL	440 CLINTON ST., BUFFALO, NY 14204	12/05/18 14:00	12/05/18
L1849818-09	B-18	SOIL	440 CLINTON ST., BUFFALO, NY 14204	12/05/18 14:30	12/05/18
L1849818-10	B-19	SOIL	440 CLINTON ST., BUFFALO, NY 14204	12/05/18 15:40	12/05/18
L1849818-11	B-10 GW	WATER	440 CLINTON ST., BUFFALO, NY 14204	12/05/18 08:30	12/05/18
L1849818-12	B-11 GW	WATER	440 CLINTON ST., BUFFALO, NY 14204	12/05/18 10:15	12/05/18
L1849818-13	B-12 GW	WATER	440 CLINTON ST., BUFFALO, NY 14204	12/05/18 10:45	12/05/18
L1849818-14	B-13 GW	WATER	440 CLINTON ST., BUFFALO, NY 14204	12/05/18 11:25	12/05/18
L1849818-15	B-14 GW	WATER	440 CLINTON ST., BUFFALO, NY 14204	12/05/18 11:55	12/05/18
L1849818-16	B-15 GW	WATER	440 CLINTON ST., BUFFALO, NY 14204	12/05/18 12:55	12/05/18
L1849818-17	B-16 GW	WATER	440 CLINTON ST., BUFFALO, NY 14204	12/05/18 13:30	12/05/18
L1849818-18	B-17 GW	WATER	440 CLINTON ST., BUFFALO, NY 14204	12/05/18 14:10	12/05/18
L1849818-19	B-18 GW	WATER	440 CLINTON ST., BUFFALO, NY 14204	12/05/18 14:40	12/05/18
L1849818-20	B-19 GW	WATER	440 CLINTON ST., BUFFALO, NY 14204	12/05/18 15:50	12/05/18

Project Name:	18-223391.3	**Lab Number:**	L1849818
Project Number:	18-223391.3	**Report Date:**	12/11/18

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. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated 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.

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 table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

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 Client Service Representative 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 Client Services at 800-624-9220 with any questions.

Project Name:	18-223391.3	**Lab Number:**	L1849818
Project Number:	18-223391.3	**Report Date:**	12/11/18

Case Narrative (continued)

Report Submission

December 11, 2018: This is a preliminary report.

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

Sample Receipt

The analyses performed were specified by the client.

Semivolatile Organics by SIM

L1849818-12, -13, -15, -19, and -20: The sample has elevated detection limits due to limited sample volume available for analysis.

L1849818-12, -13, -15, and -18: The sample has elevated detection limits due to the dilution required by the sample matrix.

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

Authorized Signature: Melissa Cripps

Title: Technical Director/Representative Date: 12/11/18

ORGANICS

VOLATILES

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849818-01
Client ID: B-10
Sample Location: 440 CLINTON ST., BUFFALO, NY 14204

Date Collected: 12/05/18 08:20
Date Received: 12/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/07/18 08:24
Analyst: MV
Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	5.9	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1
Tetrachloroethene	ND		ug/kg	0.59	0.23	1
Chlorobenzene	ND		ug/kg	0.59	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.8	0.83	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.59	0.20	1
Bromodichloromethane	ND		ug/kg	0.59	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.59	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	0.59	0.19	1
Bromoform	ND		ug/kg	4.8	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.59	0.20	1
Benzene	ND		ug/kg	0.59	0.20	1
Toluene	ND		ug/kg	1.2	0.64	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.8	1.1	1
Bromomethane	ND		ug/kg	2.4	0.69	1
Vinyl chloride	ND		ug/kg	1.2	0.40	1
Chloroethane	ND		ug/kg	2.4	0.54	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.16	1
Trichloroethene	ND		ug/kg	0.59	0.16	1

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849818-01 Date Collected: 12/05/18 08:20

Client ID: B-10 Date Received: 12/05/18

Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	ND		ug/kg	2.4	0.66	1
o-Xylene	ND		ug/kg	1.2	0.34	1
Xylenes, Total	ND		ug/kg	1.2	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	5.7	1
Carbon disulfide	ND		ug/kg	12	5.4	1
2-Butanone	ND		ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.33	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.17	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.6	1.2	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.8	0.77	1
n-Propylbenzene	ND		ug/kg	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	0.38	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.32	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.40	1
Methyl Acetate	ND		ug/kg	4.8	1.1	1
Cyclohexane	ND		ug/kg	12	0.65	1
1,4-Dioxane	ND		ug/kg	120	42.	1
Freon-113	ND		ug/kg	4.8	0.82	1
Methyl cyclohexane	ND		ug/kg	4.8	0.72	1

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849818-01 Date Collected: 12/05/18 08:20

Client ID: B-10 Date Received: 12/05/18

Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	99		70-130

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849818-04 Date Collected: 12/05/18 11:20

Client ID: B-13 Date Received: 12/05/18

Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 12/07/18 08:50

Analyst: MV

Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	6.9	3.2	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.20	1
Chloroform	ND		ug/kg	2.1	0.19	1
Carbon tetrachloride	ND		ug/kg	1.4	0.32	1
1,2-Dichloropropane	ND		ug/kg	1.4	0.17	1
Dibromochloromethane	ND		ug/kg	1.4	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.37	1
Tetrachloroethene	ND		ug/kg	0.69	0.27	1
Chlorobenzene	ND		ug/kg	0.69	0.18	1
Trichlorofluoromethane	ND		ug/kg	5.5	0.96	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.36	1
1,1,1-Trichloroethane	ND		ug/kg	0.69	0.23	1
Bromodichloromethane	ND		ug/kg	0.69	0.15	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.38	1
cis-1,3-Dichloropropene	ND		ug/kg	0.69	0.22	1
1,3-Dichloropropene, Total	ND		ug/kg	0.69	0.22	1
Bromoform	ND		ug/kg	5.5	0.34	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.69	0.23	1
Benzene	0.23	J	ug/kg	0.69	0.23	1
Toluene	ND		ug/kg	1.4	0.75	1
Ethylbenzene	ND		ug/kg	1.4	0.20	1
Chloromethane	ND		ug/kg	5.5	1.3	1
Bromomethane	ND		ug/kg	2.8	0.80	1
Vinyl chloride	ND		ug/kg	1.4	0.46	1
Chloroethane	ND		ug/kg	2.8	0.63	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.33	1
trans-1,2-Dichloroethene	ND		ug/kg	2.1	0.19	1
Trichloroethene	ND		ug/kg	0.69	0.19	1

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849818-04 Date Collected: 12/05/18 11:20

Client ID: B-13 Date Received: 12/05/18

Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	2.8	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	2.8	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	2.8	0.24	1
Methyl tert butyl ether	ND		ug/kg	2.8	0.28	1
p/m-Xylene	ND		ug/kg	2.8	0.78	1
o-Xylene	0.42	J	ug/kg	1.4	0.40	1
Xylenes, Total	0.42	J	ug/kg	1.4	0.40	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.24	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.19	1
Styrene	ND		ug/kg	1.4	0.27	1
Dichlorodifluoromethane	ND		ug/kg	14	1.3	1
Acetone	58		ug/kg	14	6.7	1
Carbon disulfide	ND		ug/kg	14	6.3	1
2-Butanone	12	J	ug/kg	14	3.1	1
4-Methyl-2-pentanone	ND		ug/kg	14	1.8	1
2-Hexanone	ND		ug/kg	14	1.6	1
Bromochloromethane	ND		ug/kg	2.8	0.28	1
1,2-Dibromoethane	ND		ug/kg	1.4	0.39	1
n-Butylbenzene	ND		ug/kg	1.4	0.23	1
sec-Butylbenzene	ND		ug/kg	1.4	0.20	1
tert-Butylbenzene	ND		ug/kg	2.8	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.2	1.4	1
Isopropylbenzene	ND		ug/kg	1.4	0.15	1
p-Isopropyltoluene	0.71	J	ug/kg	1.4	0.15	1
Naphthalene	63		ug/kg	5.5	0.90	1
n-Propylbenzene	ND		ug/kg	1.4	0.24	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.8	0.45	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.8	0.38	1
1,3,5-Trimethylbenzene	0.34	J	ug/kg	2.8	0.27	1
1,2,4-Trimethylbenzene	0.69	J	ug/kg	2.8	0.46	1
Methyl Acetate	ND		ug/kg	5.5	1.3	1
Cyclohexane	ND		ug/kg	14	0.75	1
1,4-Dioxane	ND		ug/kg	140	49.	1
Freon-113	ND		ug/kg	5.5	0.96	1
Methyl cyclohexane	ND		ug/kg	5.5	0.84	1

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849818-04 Date Collected: 12/05/18 11:20

Client ID: B-13 Date Received: 12/05/18

Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	97		70-130

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849818-07
Client ID: B-16
Sample Location: 440 CLINTON ST., BUFFALO, NY 14204

Date Collected: 12/05/18 13:25
Date Received: 12/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/07/18 09:16
Analyst: MV
Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	4.6	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.92	0.13	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.92	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.92	0.11	1
Dibromochloromethane	ND		ug/kg	0.92	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.92	0.24	1
Tetrachloroethene	ND		ug/kg	0.46	0.18	1
Chlorobenzene	ND		ug/kg	0.46	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.7	0.64	1
1,2-Dichloroethane	ND		ug/kg	0.92	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.46	0.15	1
Bromodichloromethane	ND		ug/kg	0.46	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.92	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.46	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.46	0.14	1
Bromoform	ND		ug/kg	3.7	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.46	0.15	1
Benzene	ND		ug/kg	0.46	0.15	1
Toluene	ND		ug/kg	0.92	0.50	1
Ethylbenzene	ND		ug/kg	0.92	0.13	1
Chloromethane	ND		ug/kg	3.7	0.85	1
Bromomethane	ND		ug/kg	1.8	0.53	1
Vinyl chloride	ND		ug/kg	0.92	0.31	1
Chloroethane	ND		ug/kg	1.8	0.41	1
1,1-Dichloroethene	ND		ug/kg	0.92	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.12	1
Trichloroethene	ND		ug/kg	0.46	0.12	1

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849818-07 Date Collected: 12/05/18 13:25

Client ID: B-16 Date Received: 12/05/18

Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.51	1
o-Xylene	ND		ug/kg	0.92	0.27	1
Xylenes, Total	ND		ug/kg	0.92	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.92	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.92	0.12	1
Styrene	ND		ug/kg	0.92	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.2	0.84	1
Acetone	20		ug/kg	9.2	4.4	1
Carbon disulfide	ND		ug/kg	9.2	4.2	1
2-Butanone	3.4	J	ug/kg	9.2	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.2	1.2	1
2-Hexanone	ND		ug/kg	9.2	1.1	1
Bromochloromethane	ND		ug/kg	1.8	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.92	0.26	1
n-Butylbenzene	ND		ug/kg	0.92	0.15	1
sec-Butylbenzene	ND		ug/kg	0.92	0.13	1
tert-Butylbenzene	ND		ug/kg	1.8	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.7	0.91	1
Isopropylbenzene	ND		ug/kg	0.92	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.92	0.10	1
Naphthalene	ND		ug/kg	3.7	0.60	1
n-Propylbenzene	ND		ug/kg	0.92	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.29	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.30	1
Methyl Acetate	ND		ug/kg	3.7	0.87	1
Cyclohexane	ND		ug/kg	9.2	0.50	1
1,4-Dioxane	ND		ug/kg	92	32.	1
Freon-113	ND		ug/kg	3.7	0.63	1
Methyl cyclohexane	ND		ug/kg	3.7	0.55	1

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849818-07 Date Collected: 12/05/18 13:25

Client ID: B-16 Date Received: 12/05/18

Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	97		70-130

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849818-09 D
Client ID: B-18
Sample Location: 440 CLINTON ST., BUFFALO, NY 14204

Date Collected: 12/05/18 14:30
Date Received: 12/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/07/18 14:28
Analyst: MV
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	710	330	2.5
1,1-Dichloroethane	ND		ug/kg	140	21.	2.5
Chloroform	ND		ug/kg	210	20.	2.5
Carbon tetrachloride	ND		ug/kg	140	33.	2.5
1,2-Dichloropropane	ND		ug/kg	140	18.	2.5
Dibromochloromethane	ND		ug/kg	140	20.	2.5
1,1,2-Trichloroethane	ND		ug/kg	140	38.	2.5
Tetrachloroethene	ND		ug/kg	71	28.	2.5
Chlorobenzene	ND		ug/kg	71	18.	2.5
Trichlorofluoromethane	ND		ug/kg	570	99.	2.5
1,2-Dichloroethane	ND		ug/kg	140	37.	2.5
1,1,1-Trichloroethane	ND		ug/kg	71	24.	2.5
Bromodichloromethane	ND		ug/kg	71	16.	2.5
trans-1,3-Dichloropropene	ND		ug/kg	140	39.	2.5
cis-1,3-Dichloropropene	ND		ug/kg	71	22.	2.5
1,3-Dichloropropene, Total	ND		ug/kg	71	22.	2.5
Bromoform	ND		ug/kg	570	35.	2.5
1,1,2,2-Tetrachloroethane	ND		ug/kg	71	24.	2.5
Benzene	ND		ug/kg	71	24.	2.5
Toluene	ND		ug/kg	140	77.	2.5
Ethylbenzene	900		ug/kg	140	20.	2.5
Chloromethane	ND		ug/kg	570	130	2.5
Bromomethane	ND		ug/kg	280	83.	2.5
Vinyl chloride	ND		ug/kg	140	48.	2.5
Chloroethane	ND		ug/kg	280	64.	2.5
1,1-Dichloroethene	ND		ug/kg	140	34.	2.5
trans-1,2-Dichloroethene	ND		ug/kg	210	20.	2.5
Trichloroethene	ND		ug/kg	71	20.	2.5

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849818-09 D Date Collected: 12/05/18 14:30

Client ID: B-18 Date Received: 12/05/18

Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	280	20.	2.5
1,3-Dichlorobenzene	ND		ug/kg	280	21.	2.5
1,4-Dichlorobenzene	ND		ug/kg	280	24.	2.5
Methyl tert butyl ether	ND		ug/kg	280	29.	2.5
p/m-Xylene	370		ug/kg	280	80.	2.5
o-Xylene	110	J	ug/kg	140	42.	2.5
Xylenes, Total	480	J	ug/kg	140	42.	2.5
cis-1,2-Dichloroethene	ND		ug/kg	140	25.	2.5
1,2-Dichloroethene, Total	ND		ug/kg	140	20.	2.5
Styrene	ND		ug/kg	140	28.	2.5
Dichlorodifluoromethane	ND		ug/kg	1400	130	2.5
Acetone	ND		ug/kg	1400	690	2.5
Carbon disulfide	ND		ug/kg	1400	650	2.5
2-Butanone	ND		ug/kg	1400	320	2.5
4-Methyl-2-pentanone	ND		ug/kg	1400	180	2.5
2-Hexanone	ND		ug/kg	1400	170	2.5
Bromochloromethane	ND		ug/kg	280	29.	2.5
1,2-Dibromoethane	ND		ug/kg	140	40.	2.5
n-Butylbenzene	980		ug/kg	140	24.	2.5
sec-Butylbenzene	380		ug/kg	140	21.	2.5
tert-Butylbenzene	22	J	ug/kg	280	17.	2.5
1,2-Dibromo-3-chloropropane	ND		ug/kg	430	140	2.5
Isopropylbenzene	690		ug/kg	140	16.	2.5
p-Isopropyltoluene	410		ug/kg	140	16.	2.5
Naphthalene	690		ug/kg	570	93.	2.5
n-Propylbenzene	1500		ug/kg	140	24.	2.5
1,2,3-Trichlorobenzene	ND		ug/kg	280	46.	2.5
1,2,4-Trichlorobenzene	ND		ug/kg	280	39.	2.5
1,3,5-Trimethylbenzene	350		ug/kg	280	28.	2.5
1,2,4-Trimethylbenzene	80	J	ug/kg	280	48.	2.5
Methyl Acetate	ND		ug/kg	570	140	2.5
Cyclohexane	12000		ug/kg	1400	78.	2.5
1,4-Dioxane	ND		ug/kg	14000	5000	2.5
Freon-113	ND		ug/kg	570	99.	2.5
Methyl cyclohexane	38000		ug/kg	570	86.	2.5

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849818-09 D
Client ID: B-18
Sample Location: 440 CLINTON ST., BUFFALO, NY 14204

Date Collected: 12/05/18 14:30
Date Received: 12/05/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	119		70-130
4-Bromofluorobenzene	120		70-130
Dibromofluoromethane	91		70-130

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849818-12 Date Collected: 12/05/18 10:15
Client ID: B-11 GW Date Received: 12/05/18
Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/07/18 14:24
Analyst: PD

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

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849818-12 Date Collected: 12/05/18 10:15

Client ID: B-11 GW Date Received: 12/05/18

Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	4.0	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849818-12 Date Collected: 12/05/18 10:15

Client ID: B-11 GW Date Received: 12/05/18

Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	96		70-130

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849818-13 Date Collected: 12/05/18 10:45
Client ID: B-12 GW Date Received: 12/05/18
Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/07/18 14:52
Analyst: PD

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

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849818-13 Date Collected: 12/05/18 10:45

Client ID: B-12 GW Date Received: 12/05/18

Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849818-13 Date Collected: 12/05/18 10:45

Client ID: B-12 GW Date Received: 12/05/18

Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	98		70-130

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849818-15 Date Collected: 12/05/18 11:55
Client ID: B-14 GW Date Received: 12/05/18
Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/07/18 15:20
Analyst: PD

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

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849818-15 Date Collected: 12/05/18 11:55

Client ID: B-14 GW Date Received: 12/05/18

Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	8.6		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849818-15 Date Collected: 12/05/18 11:55

Client ID: B-14 GW Date Received: 12/05/18

Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	97		70-130

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849818-16 Date Collected: 12/05/18 12:55
Client ID: B-15 GW Date Received: 12/05/18
Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/07/18 15:48
Analyst: PD

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

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849818-16 Date Collected: 12/05/18 12:55

Client ID: B-15 GW Date Received: 12/05/18

Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	6.3		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849818-16 Date Collected: 12/05/18 12:55

Client ID: B-15 GW Date Received: 12/05/18

Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	98		70-130

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849818-18 Date Collected: 12/05/18 14:10
Client ID: B-17 GW Date Received: 12/05/18
Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/07/18 16:15
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	0.74	J	ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.30	J	ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849818-18 Date Collected: 12/05/18 14:10

Client ID: B-17 GW Date Received: 12/05/18

Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	12		ug/l	5.0	1.5	1
Carbon disulfide	1.1	J	ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849818-18 Date Collected: 12/05/18 14:10

Client ID: B-17 GW Date Received: 12/05/18

Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	98		70-130

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849818-19
Client ID: B-18 GW
Sample Location: 440 CLINTON ST., BUFFALO, NY 14204

Date Collected: 12/05/18 14:40
Date Received: 12/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/07/18 16:43
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.47	J	ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849818-19 Date Collected: 12/05/18 14:40

Client ID: B-18 GW Date Received: 12/05/18

Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	9.5		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	0.46	J	ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	0.58	J	ug/l	10	0.40	1

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849818-19 Date Collected: 12/05/18 14:40

Client ID: B-18 GW Date Received: 12/05/18

Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	97		70-130

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849818-20 Date Collected: 12/05/18 15:50
Client ID: B-19 GW Date Received: 12/05/18
Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/07/18 17:11
Analyst: PD

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

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849818-20 Date Collected: 12/05/18 15:50

Client ID: B-19 GW Date Received: 12/05/18

Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849818-20 Date Collected: 12/05/18 15:50

Client ID: B-19 GW Date Received: 12/05/18

Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	98		70-130

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/07/18 07:58
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,04,07 Batch: WG1186913-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/07/18 07:58
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,04,07 Batch: WG1186913-5					
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/07/18 07:58
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,04,07 Batch: WG1186913-5					
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	100	35.
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	98		70-130

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/07/18 08:50
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 12-13,15-16,18-20 Batch: WG1187010-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/07/18 08:50
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 12-13,15-16,18-20 Batch: WG1187010-5					
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/07/18 08:50
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 12-13,15-16,18-20 Batch: WG1187010-5					
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	97		70-130

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/07/18 07:58
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 09 Batch: WG1187384-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8
1,2-Dichlorobenzene	ND		ug/kg	100	7.2

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/07/18 07:58
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 09 Batch: WG1187384-5					
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/07/18 07:58
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 09 Batch: WG1187384-5					
Methyl Acetate	ND		ug/kg	200	48.
Cyclohexane	ND		ug/kg	500	27.
1,4-Dioxane	ND		ug/kg	5000	1800
Freon-113	ND		ug/kg	200	35.
Methyl cyclohexane	ND		ug/kg	200	30.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	104		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 18-223391.3

Project Number: 18-223391.3

Lab Number: L1849818

Report Date: 12/11/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,04,07 Batch: WG1186913-3 WG1186913-4								
Methylene chloride	95		94		70-130	1		30
1,1-Dichloroethane	98		96		70-130	2		30
Chloroform	96		94		70-130	2		30
Carbon tetrachloride	102		103		70-130	1		30
1,2-Dichloropropane	99		99		70-130	0		30
Dibromochloromethane	96		93		70-130	3		30
1,1,2-Trichloroethane	91		90		70-130	1		30
Tetrachloroethene	93		93		70-130	0		30
Chlorobenzene	89		89		70-130	0		30
Trichlorofluoromethane	90		88		70-139	2		30
1,2-Dichloroethane	101		97		70-130	4		30
1,1,1-Trichloroethane	102		99		70-130	3		30
Bromodichloromethane	100		98		70-130	2		30
trans-1,3-Dichloropropene	99		94		70-130	5		30
cis-1,3-Dichloropropene	102		103		70-130	1		30
Bromoform	93		91		70-130	2		30
1,1,2,2-Tetrachloroethane	91		88		70-130	3		30
Benzene	98		96		70-130	2		30
Toluene	89		89		70-130	0		30
Ethylbenzene	90		90		70-130	0		30
Chloromethane	100		96		52-130	4		30
Bromomethane	106		113		57-147	6		30
Vinyl chloride	99		94		67-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 18-223391.3

Project Number: 18-223391.3

Lab Number: L1849818

Report Date: 12/11/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,04,07 Batch: WG1186913-3 WG1186913-4								
Chloroethane	92		90		50-151	2		30
1,1-Dichloroethene	108		107		65-135	1		30
trans-1,2-Dichloroethene	92		93		70-130	1		30
Trichloroethene	98		98		70-130	0		30
1,2-Dichlorobenzene	86		86		70-130	0		30
1,3-Dichlorobenzene	87		86		70-130	1		30
1,4-Dichlorobenzene	87		86		70-130	1		30
Methyl tert butyl ether	102		100		66-130	2		30
p/m-Xylene	92		89		70-130	3		30
o-Xylene	93		90		70-130	3		30
cis-1,2-Dichloroethene	98		96		70-130	2		30
Styrene	90		89		70-130	1		30
Dichlorodifluoromethane	89		91		30-146	2		30
Acetone	110		106		54-140	4		30
Carbon disulfide	101		96		59-130	5		30
2-Butanone	104		99		70-130	5		30
4-Methyl-2-pentanone	98		94		70-130	4		30
2-Hexanone	84		86		70-130	2		30
Bromochloromethane	103		102		70-130	1		30
1,2-Dibromoethane	96		95		70-130	1		30
n-Butylbenzene	91		90		70-130	1		30
sec-Butylbenzene	88		86		70-130	2		30
tert-Butylbenzene	87		87		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 18-223391.3
Project Number: 18-223391.3

Lab Number: L1849818
Report Date: 12/11/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,04,07 Batch: WG1186913-3 WG1186913-4								
1,2-Dibromo-3-chloropropane	92		92		68-130	0		30
Isopropylbenzene	86		86		70-130	0		30
p-Isopropyltoluene	88		88		70-130	0		30
Naphthalene	87		87		70-130	0		30
n-Propylbenzene	87		86		70-130	1		30
1,2,3-Trichlorobenzene	86		88		70-130	2		30
1,2,4-Trichlorobenzene	90		87		70-130	3		30
1,3,5-Trimethylbenzene	87		86		70-130	1		30
1,2,4-Trimethylbenzene	88		87		70-130	1		30
Methyl Acetate	111		106		51-146	5		30
Cyclohexane	99		97		59-142	2		30
1,4-Dioxane	109		107		65-136	2		30
Freon-113	114		111		50-139	3		30
Methyl cyclohexane	100		98		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		99		70-130
Toluene-d8	95		95		70-130
4-Bromofluorobenzene	100		100		70-130
Dibromofluoromethane	98		98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 18-223391.3

Project Number: 18-223391.3

Lab Number: L1849818

Report Date: 12/11/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 12-13,15-16,18-20 Batch: WG1187010-3 WG1187010-4								
Methylene chloride	94		99		70-130	5		20
1,1-Dichloroethane	94		98		70-130	4		20
Chloroform	95		100		70-130	5		20
Carbon tetrachloride	88		92		63-132	4		20
1,2-Dichloropropane	91		97		70-130	6		20
Dibromochloromethane	88		94		63-130	7		20
1,1,2-Trichloroethane	94		98		70-130	4		20
Tetrachloroethene	92		95		70-130	3		20
Chlorobenzene	94		97		75-130	3		20
Trichlorofluoromethane	84		89		62-150	6		20
1,2-Dichloroethane	92		97		70-130	5		20
1,1,1-Trichloroethane	90		93		67-130	3		20
Bromodichloromethane	88		93		67-130	6		20
trans-1,3-Dichloropropene	86		91		70-130	6		20
cis-1,3-Dichloropropene	89		94		70-130	5		20
Bromoform	81		88		54-136	8		20
1,1,2,2-Tetrachloroethane	91		100		67-130	9		20
Benzene	91		95		70-130	4		20
Toluene	92		97		70-130	5		20
Ethylbenzene	92		95		70-130	3		20
Chloromethane	78		81		64-130	4		20
Bromomethane	96		95		39-139	1		20
Vinyl chloride	99		110		55-140	11		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 18-223391.3

Project Number: 18-223391.3

Lab Number: L1849818

Report Date: 12/11/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 12-13,15-16,18-20 Batch: WG1187010-3 WG1187010-4								
Chloroethane	120		120		55-138	0		20
1,1-Dichloroethene	90		95		61-145	5		20
trans-1,2-Dichloroethene	98		100		70-130	2		20
Trichloroethene	91		96		70-130	5		20
1,2-Dichlorobenzene	90		94		70-130	4		20
1,3-Dichlorobenzene	94		96		70-130	2		20
1,4-Dichlorobenzene	92		95		70-130	3		20
Methyl tert butyl ether	95		100		63-130	5		20
p/m-Xylene	95		100		70-130	5		20
o-Xylene	95		100		70-130	5		20
cis-1,2-Dichloroethene	96		100		70-130	4		20
Styrene	85		90		70-130	6		20
Dichlorodifluoromethane	62		64		36-147	3		20
Acetone	68		77		58-148	12		20
Carbon disulfide	89		92		51-130	3		20
2-Butanone	79		89		63-138	12		20
4-Methyl-2-pentanone	84		97		59-130	14		20
2-Hexanone	74		88		57-130	17		20
Bromochloromethane	100		100		70-130	0		20
1,2-Dibromoethane	91		98		70-130	7		20
n-Butylbenzene	87		92		53-136	6		20
sec-Butylbenzene	89		92		70-130	3		20
tert-Butylbenzene	87		93		70-130	7		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 18-223391.3
Project Number: 18-223391.3

Lab Number: L1849818
Report Date: 12/11/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 12-13,15-16,18-20 Batch: WG1187010-3 WG1187010-4								
1,2-Dibromo-3-chloropropane	80		86		41-144	7		20
Isopropylbenzene	89		92		70-130	3		20
p-Isopropyltoluene	87		92		70-130	6		20
Naphthalene	80		91		70-130	13		20
n-Propylbenzene	89		92		69-130	3		20
1,2,3-Trichlorobenzene	85		91		70-130	7		20
1,2,4-Trichlorobenzene	86		91		70-130	6		20
1,3,5-Trimethylbenzene	90		92		64-130	2		20
1,2,4-Trimethylbenzene	88		93		70-130	6		20
Methyl Acetate	89		98		70-130	10		20
Cyclohexane	82		89		70-130	8		20
1,4-Dioxane	84		86		56-162	2		20
Freon-113	88		92		70-130	4		20
Methyl cyclohexane	82		91		70-130	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	93		101		70-130
Toluene-d8	99		98		70-130
4-Bromofluorobenzene	92		92		70-130
Dibromofluoromethane	96		99		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 18-223391.3

Project Number: 18-223391.3

Lab Number: L1849818

Report Date: 12/11/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 09 Batch: WG1187384-3 WG1187384-4								
Methylene chloride	90		84		70-130	7		30
1,1-Dichloroethane	92		88		70-130	4		30
Chloroform	101		98		70-130	3		30
Carbon tetrachloride	129		124		70-130	4		30
1,2-Dichloropropane	82		83		70-130	1		30
Dibromochloromethane	110		104		70-130	6		30
1,1,2-Trichloroethane	92		84		70-130	9		30
Tetrachloroethene	114		107		70-130	6		30
Chlorobenzene	97		94		70-130	3		30
Trichlorofluoromethane	122		116		70-139	5		30
1,2-Dichloroethane	107		104		70-130	3		30
1,1,1-Trichloroethane	119		110		70-130	8		30
Bromodichloromethane	103		102		70-130	1		30
trans-1,3-Dichloropropene	104		95		70-130	9		30
cis-1,3-Dichloropropene	92		89		70-130	3		30
Bromoform	106		106		70-130	0		30
1,1,2,2-Tetrachloroethane	88		84		70-130	5		30
Benzene	90		87		70-130	3		30
Toluene	97		91		70-130	6		30
Ethylbenzene	100		94		70-130	6		30
Chloromethane	82		79		52-130	4		30
Bromomethane	100		90		57-147	11		30
Vinyl chloride	97		96		67-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 18-223391.3

Project Number: 18-223391.3

Lab Number: L1849818

Report Date: 12/11/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 09 Batch: WG1187384-3 WG1187384-4								
Chloroethane	92		92		50-151	0		30
1,1-Dichloroethene	102		95		65-135	7		30
trans-1,2-Dichloroethene	94		92		70-130	2		30
Trichloroethene	101		96		70-130	5		30
1,2-Dichlorobenzene	103		98		70-130	5		30
1,3-Dichlorobenzene	102		98		70-130	4		30
1,4-Dichlorobenzene	103		98		70-130	5		30
Methyl tert butyl ether	98		94		66-130	4		30
p/m-Xylene	102		95		70-130	7		30
o-Xylene	102		96		70-130	6		30
cis-1,2-Dichloroethene	95		91		70-130	4		30
Styrene	101		95		70-130	6		30
Dichlorodifluoromethane	112		107		30-146	5		30
Acetone	111		85		54-140	27		30
Carbon disulfide	87		83		59-130	5		30
2-Butanone	88		80		70-130	10		30
4-Methyl-2-pentanone	84		74		70-130	13		30
2-Hexanone	81		73		70-130	10		30
Bromochloromethane	100		99		70-130	1		30
1,2-Dibromoethane	102		93		70-130	9		30
n-Butylbenzene	100		97		70-130	3		30
sec-Butylbenzene	101		96		70-130	5		30
tert-Butylbenzene	104		100		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 18-223391.3

Project Number: 18-223391.3

Lab Number: L1849818

Report Date: 12/11/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 09 Batch: WG1187384-3 WG1187384-4								
1,2-Dibromo-3-chloropropane	96		90		68-130	6		30
Isopropylbenzene	99		96		70-130	3		30
p-Isopropyltoluene	104		102		70-130	2		30
Naphthalene	96		92		70-130	4		30
n-Propylbenzene	96		93		70-130	3		30
1,2,3-Trichlorobenzene	102		100		70-130	2		30
1,2,4-Trichlorobenzene	106		104		70-130	2		30
1,3,5-Trimethylbenzene	101		97		70-130	4		30
1,2,4-Trimethylbenzene	100		97		70-130	3		30
Methyl Acetate	86		79		51-146	8		30
Cyclohexane	88		81		59-142	8		30
1,4-Dioxane	80		73		65-136	9		30
Freon-113	103		99		50-139	4		30
Methyl cyclohexane	100		93		70-130	7		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	120		118		70-130
Toluene-d8	101		100		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	110		110		70-130

SEMIVOLATILES

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849818-01
Client ID: B-10
Sample Location: 440 CLINTON ST., BUFFALO, NY 14204

Date Collected: 12/05/18 08:20
Date Received: 12/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 12/07/18 21:37
Analyst: KR
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 12/06/18 13:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	22.	1
2-Chloronaphthalene	ND		ug/kg	210	21.	1
Fluoranthene	ND		ug/kg	130	24.	1
Naphthalene	ND		ug/kg	210	26.	1
Benzo(a)anthracene	ND		ug/kg	130	24.	1
Benzo(a)pyrene	ND		ug/kg	170	52.	1
Benzo(b)fluoranthene	ND		ug/kg	130	36.	1
Benzo(k)fluoranthene	ND		ug/kg	130	34.	1
Chrysene	ND		ug/kg	130	22.	1
Acenaphthylene	ND		ug/kg	170	33.	1
Anthracene	ND		ug/kg	130	42.	1
Benzo(ghi)perylene	ND		ug/kg	170	25.	1
Fluorene	ND		ug/kg	210	21.	1
Phenanthrene	ND		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	25.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	170	30.	1
Pyrene	ND		ug/kg	130	21.	1
2-Methylnaphthalene	ND		ug/kg	260	26.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	100		23-120
2-Fluorobiphenyl	81		30-120
4-Terphenyl-d14	68		18-120

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849818-04 D
Client ID: B-13
Sample Location: 440 CLINTON ST., BUFFALO, NY 14204

Date Collected: 12/05/18 11:20
Date Received: 12/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 12/10/18 13:37
Analyst: KR
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 12/06/18 13:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1100		ug/kg	330	43.	2
2-Chloronaphthalene	ND		ug/kg	420	41.	2
Fluoranthene	12000		ug/kg	250	48.	2
Naphthalene	1800		ug/kg	420	51.	2
Benzo(a)anthracene	5100		ug/kg	250	47.	2
Benzo(a)pyrene	4600		ug/kg	330	100	2
Benzo(b)fluoranthene	5900		ug/kg	250	70.	2
Benzo(k)fluoranthene	1800		ug/kg	250	66.	2
Chrysene	5600		ug/kg	250	43.	2
Acenaphthylene	830		ug/kg	330	64.	2
Anthracene	2700		ug/kg	250	81.	2
Benzo(ghi)perylene	2400		ug/kg	330	49.	2
Fluorene	1700		ug/kg	420	40.	2
Phenanthrene	12000		ug/kg	250	50.	2
Dibenzo(a,h)anthracene	680		ug/kg	250	48.	2
Indeno(1,2,3-cd)pyrene	2600		ug/kg	330	58.	2
Pyrene	11000		ug/kg	250	41.	2
2-Methylnaphthalene	800		ug/kg	500	50.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	86		30-120
4-Terphenyl-d14	72		18-120

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849818-07
Client ID: B-16
Sample Location: 440 CLINTON ST., BUFFALO, NY 14204

Date Collected: 12/05/18 13:25
Date Received: 12/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 12/07/18 22:28
Analyst: KR
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 12/06/18 13:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	24	J	ug/kg	160	21.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
Fluoranthene	350		ug/kg	120	23.	1
Naphthalene	ND		ug/kg	200	24.	1
Benzo(a)anthracene	180		ug/kg	120	23.	1
Benzo(a)pyrene	160		ug/kg	160	49.	1
Benzo(b)fluoranthene	210		ug/kg	120	34.	1
Benzo(k)fluoranthene	53	J	ug/kg	120	32.	1
Chrysene	150		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	51	J	ug/kg	120	39.	1
Benzo(ghi)perylene	97	J	ug/kg	160	24.	1
Fluorene	24	J	ug/kg	200	20.	1
Phenanthrene	190		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	24	J	ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	100	J	ug/kg	160	28.	1
Pyrene	290		ug/kg	120	20.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	74		30-120
4-Terphenyl-d14	66		18-120

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849818-09
Client ID: B-18
Sample Location: 440 CLINTON ST., BUFFALO, NY 14204

Date Collected: 12/05/18 14:30
Date Received: 12/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 12/07/18 22:54
Analyst: KR
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 12/06/18 13:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	20.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
Fluoranthene	64	J	ug/kg	120	22.	1
Naphthalene	120	J	ug/kg	190	24.	1
Benzo(a)anthracene	23	J	ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	47.	1
Benzo(b)fluoranthene	ND		ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	ND		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	ND		ug/kg	160	23.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	55	J	ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	27.	1
Pyrene	46	J	ug/kg	120	19.	1
2-Methylnaphthalene	110	J	ug/kg	230	23.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	106		23-120
2-Fluorobiphenyl	72		30-120
4-Terphenyl-d14	58		18-120

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849818-12 D
Client ID: B-11 GW
Sample Location: 440 CLINTON ST., BUFFALO, NY 14204

Date Collected: 12/05/18 10:15
Date Received: 12/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/10/18 17:32
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 12/06/18 16:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.22	0.03	2
2-Chloronaphthalene	ND		ug/l	0.43	0.04	2
Fluoranthene	0.08	J	ug/l	0.22	0.04	2
Naphthalene	2.1		ug/l	0.22	0.10	2
Benzo(a)anthracene	ND		ug/l	0.22	0.04	2
Benzo(a)pyrene	0.04	J	ug/l	0.22	0.03	2
Benzo(b)fluoranthene	0.08	J	ug/l	0.22	0.03	2
Benzo(k)fluoranthene	0.02	J	ug/l	0.22	0.02	2
Chrysene	0.19	J	ug/l	0.22	0.03	2
Acenaphthylene	ND		ug/l	0.22	0.03	2
Anthracene	ND		ug/l	0.22	0.03	2
Benzo(ghi)perylene	ND		ug/l	0.22	0.03	2
Fluorene	ND		ug/l	0.22	0.03	2
Phenanthrene	0.08	J	ug/l	0.22	0.05	2
Dibenzo(a,h)anthracene	ND		ug/l	0.22	0.03	2
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.22	0.03	2
Pyrene	0.12	J	ug/l	0.22	0.04	2
2-Methylnaphthalene	0.64		ug/l	0.22	0.05	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	33		23-120
2-Fluorobiphenyl	40		15-120
4-Terphenyl-d14	**38**	Q	41-149

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849818-13 D
Client ID: B-12 GW
Sample Location: 440 CLINTON ST., BUFFALO, NY 14204

Date Collected: 12/05/18 10:45
Date Received: 12/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/10/18 14:43
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 12/06/18 16:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.15	J	ug/l	0.57	0.08	5
2-Chloronaphthalene	ND		ug/l	1.1	0.10	5
Fluoranthene	5.6		ug/l	0.57	0.12	5
Naphthalene	7.2		ug/l	0.57	0.28	5
Benzo(a)anthracene	2.8		ug/l	0.57	0.11	5
Benzo(a)pyrene	2.5		ug/l	0.57	0.09	5
Benzo(b)fluoranthene	4.2		ug/l	0.57	0.07	5
Benzo(k)fluoranthene	1.7		ug/l	0.57	0.05	5
Chrysene	2.6		ug/l	0.57	0.07	5
Acenaphthylene	0.20	J	ug/l	0.57	0.07	5
Anthracene	0.51	J	ug/l	0.57	0.08	5
Benzo(ghi)perylene	0.84		ug/l	0.57	0.08	5
Fluorene	0.19	J	ug/l	0.57	0.08	5
Phenanthrene	2.4		ug/l	0.57	0.13	5
Dibenzo(a,h)anthracene	0.28	J	ug/l	0.57	0.07	5
Indeno(1,2,3-cd)pyrene	0.97		ug/l	0.57	0.07	5
Pyrene	4.9		ug/l	0.57	0.11	5
2-Methylnaphthalene	0.91		ug/l	0.57	0.12	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	27		23-120
2-Fluorobiphenyl	33		15-120
4-Terphenyl-d14	**28**	Q	41-149

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849818-15 D
Client ID: B-14 GW
Sample Location: 440 CLINTON ST., BUFFALO, NY 14204

Date Collected: 12/05/18 11:55
Date Received: 12/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/10/18 17:06
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 12/06/18 16:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.37		ug/l	0.22	0.03	2
2-Chloronaphthalene	0.31	J	ug/l	0.44	0.04	2
Fluoranthene	1.2		ug/l	0.22	0.05	2
Naphthalene	5.6		ug/l	0.22	0.11	2
Benzo(a)anthracene	0.56		ug/l	0.22	0.04	2
Benzo(a)pyrene	0.49		ug/l	0.22	0.03	2
Benzo(b)fluoranthene	0.74		ug/l	0.22	0.03	2
Benzo(k)fluoranthene	0.25		ug/l	0.22	0.02	2
Chrysene	0.79		ug/l	0.22	0.03	2
Acenaphthylene	0.34		ug/l	0.22	0.03	2
Anthracene	0.33		ug/l	0.22	0.03	2
Benzo(ghi)perylene	0.19	J	ug/l	0.22	0.03	2
Fluorene	0.43		ug/l	0.22	0.03	2
Phenanthrene	1.1		ug/l	0.22	0.05	2
Dibenzo(a,h)anthracene	0.06	J	ug/l	0.22	0.03	2
Indeno(1,2,3-cd)pyrene	0.22		ug/l	0.22	0.03	2
Pyrene	1.2		ug/l	0.22	0.04	2
2-Methylnaphthalene	0.51		ug/l	0.22	0.05	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	51		23-120
2-Fluorobiphenyl	56		15-120
4-Terphenyl-d14	**36**	Q	41-149

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849818-16
Client ID: B-15 GW
Sample Location: 440 CLINTON ST., BUFFALO, NY 14204

Date Collected: 12/05/18 12:55
Date Received: 12/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/10/18 16:39
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 12/06/18 16:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.05	J	ug/l	0.10	0.02	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.03	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	0.02	J	ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.04	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.01	J	ug/l	0.10	0.01	1
Chrysene	0.03	J	ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	0.06	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	0.05	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	0.04	J	ug/l	0.10	0.02	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	74		15-120
4-Terphenyl-d14	81		41-149

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849818-18 D
Client ID: B-17 GW
Sample Location: 440 CLINTON ST., BUFFALO, NY 14204

Date Collected: 12/05/18 14:10
Date Received: 12/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/10/18 16:02
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 12/06/18 16:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.14	J	ug/l	0.50	0.07	5
2-Chloronaphthalene	ND		ug/l	1.0	0.09	5
Fluoranthene	3.5		ug/l	0.50	0.10	5
Naphthalene	1.8		ug/l	0.50	0.24	5
Benzo(a)anthracene	1.1		ug/l	0.50	0.10	5
Benzo(a)pyrene	2.0		ug/l	0.50	0.08	5
Benzo(b)fluoranthene	5.5		ug/l	0.50	0.06	5
Benzo(k)fluoranthene	1.6		ug/l	0.50	0.04	5
Chrysene	1.7		ug/l	0.50	0.06	5
Acenaphthylene	0.12	J	ug/l	0.50	0.06	5
Anthracene	0.30	J	ug/l	0.50	0.07	5
Benzo(ghi)perylene	2.3		ug/l	0.50	0.07	5
Fluorene	0.15	J	ug/l	0.50	0.07	5
Phenanthrene	1.4		ug/l	0.50	0.12	5
Dibenzo(a,h)anthracene	0.37	J	ug/l	0.50	0.06	5
Indeno(1,2,3-cd)pyrene	2.4		ug/l	0.50	0.06	5
Pyrene	3.0		ug/l	0.50	0.10	5
2-Methylnaphthalene	0.27	J	ug/l	0.50	0.11	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	73		15-120
4-Terphenyl-d14	72		41-149

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849818-19
Client ID: B-18 GW
Sample Location: 440 CLINTON ST., BUFFALO, NY 14204

Date Collected: 12/05/18 14:40
Date Received: 12/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/10/18 15:46
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 12/06/18 16:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.16		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.21	0.02	1
Fluoranthene	2.5		ug/l	0.10	0.02	1
Naphthalene	2.8		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.82		ug/l	0.10	0.02	1
Benzo(a)pyrene	0.93		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	1.5		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.49		ug/l	0.10	0.01	1
Chrysene	0.98		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	0.17		ug/l	0.10	0.02	1
Benzo(ghi)perylene	0.59		ug/l	0.10	0.01	1
Fluorene	0.16		ug/l	0.10	0.02	1
Phenanthrene	1.1		ug/l	0.10	0.03	1
Dibenzo(a,h)anthracene	0.12		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.66		ug/l	0.10	0.01	1
Pyrene	2.0		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.21		ug/l	0.10	0.02	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	68		15-120
4-Terphenyl-d14	66		41-149

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849818-20
Client ID: B-19 GW
Sample Location: 440 CLINTON ST., BUFFALO, NY 14204

Date Collected: 12/05/18 15:50
Date Received: 12/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/10/18 16:13
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 12/06/18 16:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.40		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.21	0.02	1
Fluoranthene	7.6		ug/l	0.10	0.02	1
Naphthalene	1.7		ug/l	0.10	0.05	1
Benzo(a)anthracene	3.8		ug/l	0.10	0.02	1
Benzo(a)pyrene	3.8		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	5.7		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	2.1		ug/l	0.10	0.01	1
Chrysene	3.6		ug/l	0.10	0.01	1
Acenaphthylene	0.09	J	ug/l	0.10	0.01	1
Anthracene	0.98		ug/l	0.10	0.02	1
Benzo(ghi)perylene	1.4		ug/l	0.10	0.01	1
Fluorene	0.44		ug/l	0.10	0.02	1
Phenanthrene	4.4		ug/l	0.10	0.03	1
Dibenzo(a,h)anthracene	0.41		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	1.8		ug/l	0.10	0.01	1
Pyrene	6.1		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.18		ug/l	0.10	0.02	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	43		23-120
2-Fluorobiphenyl	52		15-120
4-Terphenyl-d14	47		41-149

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/07/18 21:54
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 12/06/18 08:37

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,04,07,09 Batch: WG1186253-1					
Acenaphthene	ND		ug/kg	130	17.
2-Chloronaphthalene	ND		ug/kg	170	16.
Fluoranthene	ND		ug/kg	100	19.
Naphthalene	ND		ug/kg	170	20.
Benzo(a)anthracene	ND		ug/kg	100	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	100	28.
Benzo(k)fluoranthene	ND		ug/kg	100	26.
Chrysene	ND		ug/kg	100	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	100	32.
Benzo(ghi)perylene	ND		ug/kg	130	20.
Fluorene	ND		ug/kg	170	16.
Phenanthrene	ND		ug/kg	100	20.
Dibenzo(a,h)anthracene	ND		ug/kg	100	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	100	16.
2-Methylnaphthalene	ND		ug/kg	200	20.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	85		30-120
2,4,6-Tribromophenol	113		10-136
4-Terphenyl-d14	79		18-120

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 12/07/18 10:07
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 12/06/18 11:35

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 12-13,15-16,18-20 Batch: WG1186375-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		21-120
Phenol-d6	54		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	66		10-120
4-Terphenyl-d14	72		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 18-223391.3
Project Number: 18-223391.3

Lab Number: L1849818
Report Date: 12/11/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04,07,09 Batch: WG1186253-2 WG1186253-3								
Acenaphthene	86		73		31-137	16		50
2-Chloronaphthalene	84		71		40-140	17		50
Fluoranthene	87		72		40-140	19		50
Naphthalene	78		65		40-140	18		50
Benzo(a)anthracene	81		66		40-140	20		50
Benzo(a)pyrene	92		75		40-140	20		50
Benzo(b)fluoranthene	94		74		40-140	24		50
Benzo(k)fluoranthene	86		73		40-140	16		50
Chrysene	81		67		40-140	19		50
Acenaphthylene	88		74		40-140	17		50
Anthracene	84		70		40-140	18		50
Benzo(ghi)perylene	89		73		40-140	20		50
Fluorene	91		77		40-140	17		50
Phenanthrene	79		66		40-140	18		50
Dibenzo(a,h)anthracene	90		74		40-140	20		50
Indeno(1,2,3-cd)pyrene	90		74		40-140	20		50
Pyrene	85		71		35-142	18		50
2-Methylnaphthalene	82		68		40-140	19		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 18-223391.3

Project Number: 18-223391.3

Lab Number: L1849818

Report Date: 12/11/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04,07,09 Batch: WG1186253-2 WG1186253-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	79		66		25-120
Phenol-d6	79		65		10-120
Nitrobenzene-d5	73		62		23-120
2-Fluorobiphenyl	83		70		30-120
2,4,6-Tribromophenol	120		102		10-136
4-Terphenyl-d14	77		64		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 18-223391.3

Project Number: 18-223391.3

Lab Number: L1849818

Report Date: 12/11/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 12-13,15-16,18-20 Batch: WG1186375-2 WG1186375-3								
Acenaphthene	71		71		40-140	0		40
2-Chloronaphthalene	72		74		40-140	3		40
Fluoranthene	80		78		40-140	3		40
Naphthalene	62		66		40-140	6		40
Benzo(a)anthracene	82		81		40-140	1		40
Benzo(a)pyrene	83		81		40-140	2		40
Benzo(b)fluoranthene	79		78		40-140	1		40
Benzo(k)fluoranthene	82		80		40-140	2		40
Chrysene	76		74		40-140	3		40
Acenaphthylene	80		81		40-140	1		40
Anthracene	76		74		40-140	3		40
Benzo(ghi)perylene	85		83		40-140	2		40
Fluorene	78		75		40-140	4		40
Phenanthrene	73		72		40-140	1		40
Dibenzo(a,h)anthracene	89		86		40-140	3		40
Indeno(1,2,3-cd)pyrene	84		83		40-140	1		40
Pyrene	80		78		40-140	3		40
2-Methylnaphthalene	70		73		40-140	4		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: 18-223391.3

Project Number: 18-223391.3

Lab Number: L1849818

Report Date: 12/11/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 12-13,15-16,18-20 Batch: WG1186375-2 WG1186375-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	59		61		21-120
Phenol-d6	53		54		10-120
Nitrobenzene-d5	73		76		23-120
2-Fluorobiphenyl	81		82		15-120
2,4,6-Tribromophenol	85		78		10-120
4-Terphenyl-d14	85		80		41-149

PCBS

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849818-07
Client ID: B-16
Sample Location: 440 CLINTON ST., BUFFALO, NY 14204

Date Collected: 12/05/18 13:25
Date Received: 12/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/07/18 22:48
Analyst: HT
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 12/06/18 14:30
Cleanup Method: EPA 3665A
Cleanup Date: 12/07/18
Cleanup Method: EPA 3660B
Cleanup Date: 12/07/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	40.6	3.61	1	A
Aroclor 1221	ND		ug/kg	40.6	4.07	1	A
Aroclor 1232	ND		ug/kg	40.6	8.62	1	A
Aroclor 1242	ND		ug/kg	40.6	5.48	1	A
Aroclor 1248	ND		ug/kg	40.6	6.10	1	A
Aroclor 1254	ND		ug/kg	40.6	4.45	1	A
Aroclor 1260	22.8	J	ug/kg	40.6	7.51	1	B
Aroclor 1262	ND		ug/kg	40.6	5.16	1	A
Aroclor 1268	ND		ug/kg	40.6	4.21	1	A
PCBs, Total	22.8	J	ug/kg	40.6	3.61	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849818-12
Client ID: B-11 GW
Sample Location: 440 CLINTON ST., BUFFALO, NY 14204

Date Collected: 12/05/18 10:15
Date Received: 12/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 12/08/18 02:57
Analyst: HT

Extraction Method: EPA 3510C
Extraction Date: 12/06/18 16:29
Cleanup Method: EPA 3665A
Cleanup Date: 12/06/18
Cleanup Method: EPA 3660B
Cleanup Date: 12/07/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.034	1	A
Aroclor 1221	ND		ug/l	0.083	0.067	1	A
Aroclor 1232	ND		ug/l	0.083	0.046	1	A
Aroclor 1242	ND		ug/l	0.083	0.039	1	A
Aroclor 1248	ND		ug/l	0.083	0.049	1	A
Aroclor 1254	ND		ug/l	0.083	0.039	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.035	1	A
Aroclor 1268	ND		ug/l	0.083	0.034	1	A
PCBs, Total	ND		ug/l	0.083	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849818-18
Client ID: B-17 GW
Sample Location: 440 CLINTON ST., BUFFALO, NY 14204

Date Collected: 12/05/18 14:10
Date Received: 12/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 12/08/18 03:10
Analyst: HT

Extraction Method: EPA 3510C
Extraction Date: 12/06/18 16:29
Cleanup Method: EPA 3665A
Cleanup Date: 12/06/18
Cleanup Method: EPA 3660B
Cleanup Date: 12/07/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.034	1	A
Aroclor 1221	ND		ug/l	0.083	0.067	1	A
Aroclor 1232	ND		ug/l	0.083	0.046	1	A
Aroclor 1242	ND		ug/l	0.083	0.039	1	A
Aroclor 1248	ND		ug/l	0.083	0.049	1	A
Aroclor 1254	ND		ug/l	0.083	0.039	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.035	1	A
Aroclor 1268	ND		ug/l	0.083	0.034	1	A
PCBs, Total	ND		ug/l	0.083	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849818-20
Client ID: B-19 GW
Sample Location: 440 CLINTON ST., BUFFALO, NY 14204

Date Collected: 12/05/18 15:50
Date Received: 12/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 12/08/18 03:24
Analyst: HT

Extraction Method: EPA 3510C
Extraction Date: 12/06/18 16:29
Cleanup Method: EPA 3665A
Cleanup Date: 12/06/18
Cleanup Method: EPA 3660B
Cleanup Date: 12/07/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.034	1	A
Aroclor 1221	ND		ug/l	0.083	0.067	1	A
Aroclor 1232	ND		ug/l	0.083	0.046	1	A
Aroclor 1242	ND		ug/l	0.083	0.039	1	A
Aroclor 1248	ND		ug/l	0.083	0.049	1	A
Aroclor 1254	ND		ug/l	0.083	0.039	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.035	1	A
Aroclor 1268	ND		ug/l	0.083	0.034	1	A
PCBs, Total	ND		ug/l	0.083	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	48		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	48		30-150	B

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 12/06/18 10:20
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 12/06/18 01:01
Cleanup Method: EPA 3665A
Cleanup Date: 12/06/18
Cleanup Method: EPA 3660B
Cleanup Date: 12/06/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 07 Batch: WG1186123-1						
Aroclor 1016	ND		ug/kg	31.8	2.82	A
Aroclor 1221	ND		ug/kg	31.8	3.18	A
Aroclor 1232	ND		ug/kg	31.8	6.74	A
Aroclor 1242	ND		ug/kg	31.8	4.28	A
Aroclor 1248	ND		ug/kg	31.8	4.77	A
Aroclor 1254	ND		ug/kg	31.8	3.48	A
Aroclor 1260	ND		ug/kg	31.8	5.87	A
Aroclor 1262	ND		ug/kg	31.8	4.04	A
Aroclor 1268	ND		ug/kg	31.8	3.29	A
PCBs, Total	ND		ug/kg	31.8	2.82	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	103		30-150	A
Decachlorobiphenyl	119		30-150	A
2,4,5,6-Tetrachloro-m-xylene	102		30-150	B
Decachlorobiphenyl	97		30-150	B

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 12/08/18 03:38
Analyst: HT

Extraction Method: EPA 3510C
Extraction Date: 12/06/18 16:29
Cleanup Method: EPA 3665A
Cleanup Date: 12/06/18
Cleanup Method: EPA 3660B
Cleanup Date: 12/07/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 12,18,20 Batch: WG1186489-1						
Aroclor 1016	ND		ug/l	0.083	0.034	A
Aroclor 1221	ND		ug/l	0.083	0.067	A
Aroclor 1232	ND		ug/l	0.083	0.046	A
Aroclor 1242	ND		ug/l	0.083	0.039	A
Aroclor 1248	ND		ug/l	0.083	0.049	A
Aroclor 1254	ND		ug/l	0.083	0.039	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.035	A
Aroclor 1268	ND		ug/l	0.083	0.034	A
PCBs, Total	ND		ug/l	0.083	0.032	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	84		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 18-223391.3

Project Number: 18-223391.3

Lab Number: L1849818

Report Date: 12/11/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 07 Batch: WG1186123-2 WG1186123-3									
Aroclor 1016	103		110		40-140	7		50	A
Aroclor 1260	110		121		40-140	10		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		98		30-150	A
Decachlorobiphenyl	105		112		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		96		30-150	B
Decachlorobiphenyl	84		91		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 18-223391.3

Project Number: 18-223391.3

Lab Number: L1849818

Report Date: 12/11/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 12,18,20 Batch: WG1186489-2 WG1186489-3									
Aroclor 1016	71		68		40-140	4		50	A
Aroclor 1260	72		69		40-140	4		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		78		30-150	A
Decachlorobiphenyl	80		76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		76		30-150	B
Decachlorobiphenyl	82		80		30-150	B

METALS

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

SAMPLE RESULTS

Lab ID: L1849818-20 Date Collected: 12/05/18 15:50

Client ID: B-19 GW Date Received: 12/05/18

Sample Location: 440 CLINTON ST., BUFFALO, NY 14204 Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Arsenic, Dissolved	0.00065		mg/l	0.00050	0.00016	1	12/07/18 20:35	12/10/18 11:14	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.2336		mg/l	0.00050	0.00017	1	12/07/18 20:35	12/10/18 11:14	EPA 3005A	1,6020B	AM
Cadmium, Dissolved	0.00029		mg/l	0.00020	0.00005	1	12/07/18 20:35	12/10/18 11:14	EPA 3005A	1,6020B	AM
Chromium, Dissolved	0.00086	J	mg/l	0.00100	0.00017	1	12/07/18 20:35	12/10/18 11:14	EPA 3005A	1,6020B	AM
Lead, Dissolved	0.00422		mg/l	0.00100	0.00034	1	12/07/18 20:35	12/10/18 11:14	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	12/07/18 11:39	12/07/18 15:57	EPA 7470A	1,7470A	MG
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	12/07/18 20:35	12/10/18 11:14	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	12/07/18 20:35	12/10/18 11:14	EPA 3005A	1,6020B	AM

Project Name: 18-223391.3 **Lab Number:** L1849818

Project Number: 18-223391.3 **Report Date:** 12/11/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 20 Batch: WG1186832-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	12/07/18 11:39	12/07/18 15:29	1,7470A	MG

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 20 Batch: WG1187014-1										
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	12/07/18 20:35	12/10/18 10:01	1,6020B	AM
Barium, Dissolved	ND		mg/l	0.00050	0.00017	1	12/07/18 20:35	12/10/18 10:01	1,6020B	AM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	12/07/18 20:35	12/10/18 10:01	1,6020B	AM
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	12/07/18 20:35	12/10/18 10:01	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	12/07/18 20:35	12/10/18 10:01	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	12/07/18 20:35	12/10/18 10:01	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	12/07/18 20:35	12/10/18 10:01	1,6020B	AM

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 18-223391.3

Project Number: 18-223391.3

Lab Number: L1849818

Report Date: 12/11/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 20 Batch: WG1186832-2								
Mercury, Dissolved	98		-		80-120	-		
Dissolved Metals - Mansfield Lab Associated sample(s): 20 Batch: WG1187014-2								
Arsenic, Dissolved	100		-		80-120	-		
Barium, Dissolved	103		-		80-120	-		
Cadmium, Dissolved	108		-		80-120	-		
Chromium, Dissolved	101		-		80-120	-		
Lead, Dissolved	102		-		80-120	-		
Selenium, Dissolved	98		-		80-120	-		
Silver, Dissolved	108		-		80-120	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: 18-223391.3
Project Number: 18-223391.3

Lab Number: L1849818
Report Date: 12/11/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 20 QC Batch ID: WG1186832-3 QC Sample: L1849284-01 Client ID: MS Sample												
Mercury, Dissolved	ND	0.005	0.00422	84		-	-		75-125	-		20
Dissolved Metals - Mansfield Lab Associated sample(s): 20 QC Batch ID: WG1187014-3 QC Sample: L1849637-10 Client ID: MS Sample												
Arsenic, Dissolved	0.00229	0.12	0.1206	98		-	-		75-125	-		20
Barium, Dissolved	0.1471	2	2.203	103		-	-		75-125	-		20
Cadmium, Dissolved	ND	0.051	0.05451	107		-	-		75-125	-		20
Chromium, Dissolved	ND	0.2	0.1980	99		-	-		75-125	-		20
Lead, Dissolved	ND	0.51	0.5095	100		-	-		75-125	-		20
Selenium, Dissolved	ND	0.12	0.121	101		-	-		75-125	-		20
Silver, Dissolved	ND	0.05	0.05375	108		-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 18-223391.3

Project Number: 18-223391.3

Lab Number: L1849818

Report Date: 12/11/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 20 QC Batch ID: WG1186832-4 QC Sample: L1849284-01 Client ID: DUP Sample						
Mercury, Dissolved	ND	0.00007J	mg/l	NC		20
Dissolved Metals - Mansfield Lab Associated sample(s): 20 QC Batch ID: WG1187014-4 QC Sample: L1849637-10 Client ID: DUP Sample						
Arsenic, Dissolved	0.00229	0.00234	mg/l	2		20
Barium, Dissolved	0.1471	0.1463	mg/l	1		20
Cadmium, Dissolved	ND	ND	mg/l	NC		20
Chromium, Dissolved	ND	ND	mg/l	NC		20
Lead, Dissolved	ND	ND	mg/l	NC		20
Selenium, Dissolved	ND	ND	mg/l	NC		20
Silver, Dissolved	ND	ND	mg/l	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: 18-223391.3
Project Number: 18-223391.3

Lab Number: L1849818
Report Date: 12/11/18

SAMPLE RESULTS

Lab ID: L1849818-01
Client ID: B-10
Sample Location: 440 CLINTON ST., BUFFALO, NY 14204

Date Collected: 12/05/18 08:20
Date Received: 12/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.9		%	0.100	NA	1	-	12/06/18 12:35	121,2540G	RI

Project Name: 18-223391.3
Project Number: 18-223391.3

Lab Number: L1849818
Report Date: 12/11/18

SAMPLE RESULTS

Lab ID: L1849818-04
Client ID: B-13
Sample Location: 440 CLINTON ST., BUFFALO, NY 14204

Date Collected: 12/05/18 11:20
Date Received: 12/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.4		%	0.100	NA	1	-	12/06/18 12:35	121,2540G	RI

Project Name: 18-223391.3
Project Number: 18-223391.3

Lab Number: L1849818
Report Date: 12/11/18

SAMPLE RESULTS

Lab ID: L1849818-07
Client ID: B-16
Sample Location: 440 CLINTON ST., BUFFALO, NY 14204

Date Collected: 12/05/18 13:25
Date Received: 12/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.5		%	0.100	NA	1	-	12/06/18 12:35	121,2540G	RI

Project Name: 18-223391.3
Project Number: 18-223391.3

Lab Number: L1849818
Report Date: 12/11/18

SAMPLE RESULTS

Lab ID: L1849818-09
Client ID: B-18
Sample Location: 440 CLINTON ST., BUFFALO, NY 14204

Date Collected: 12/05/18 14:30
Date Received: 12/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.6		%	0.100	NA	1	-	12/06/18 12:35	121,2540G	RI

Lab Duplicate Analysis

Batch Quality Control

Project Name: 18-223391.3

Project Number: 18-223391.3

Lab Number: L1849818

Report Date: 12/11/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,04,07,09 QC Batch ID: WG1186376-1 QC Sample: L1849338-12 Client ID: DUP Sample						
Solids, Total	83.9	83.9	%	0		20

Project Name: 18-223391.3
Project Number: 18-223391.3

Lab Number: L1849818
Report Date: 12/11/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1849818-01A	Vial MeOH preserved	A	NA		3.1	Y	Absent		NYTCL-8260HLW-R2(14)
L1849818-01B	Vial water preserved	A	NA		3.1	Y	Absent	06-DEC-18 07:32	NYTCL-8260HLW-R2(14)
L1849818-01C	Vial water preserved	A	NA		3.1	Y	Absent	06-DEC-18 07:32	NYTCL-8260HLW-R2(14)
L1849818-01D	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		TS(7)
L1849818-01E	Glass 120ml/4oz unpreserved	A	NA		3.1	Y	Absent		NYTCL-8270(14)
L1849818-02A	Vial MeOH preserved	A	NA		3.1	Y	Absent		HOLD-8260HLW(14)
L1849818-02B	Vial water preserved	A	NA		3.1	Y	Absent	06-DEC-18 07:32	HOLD-8260HLW(14)
L1849818-02C	Vial water preserved	A	NA		3.1	Y	Absent	06-DEC-18 07:32	HOLD-8260HLW(14)
L1849818-02D	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		HOLD-WETCHEM()
L1849818-02E	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		HOLD-WETCHEM()
L1849818-02F	Glass 250ml/8oz unpreserved	A	NA		3.1	Y	Absent		HOLD-8270(14)
L1849818-02G	Glass 120ml/4oz unpreserved	A	NA		3.1	Y	Absent		HOLD-8082()
L1849818-03A	Vial MeOH preserved	A	NA		3.1	Y	Absent		HOLD-8260HLW(14)
L1849818-03B	Vial water preserved	A	NA		3.1	Y	Absent	06-DEC-18 07:32	HOLD-8260HLW(14)
L1849818-03C	Vial water preserved	A	NA		3.1	Y	Absent	06-DEC-18 07:32	HOLD-8260HLW(14)
L1849818-03D	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		HOLD-WETCHEM()
L1849818-03E	Glass 120ml/4oz unpreserved	A	NA		3.1	Y	Absent		HOLD-8270(14)
L1849818-04A	Vial MeOH preserved	A	NA		3.1	Y	Absent		NYTCL-8260HLW-R2(14)
L1849818-04B	Vial water preserved	A	NA		3.1	Y	Absent	06-DEC-18 07:32	NYTCL-8260HLW-R2(14)
L1849818-04C	Vial water preserved	A	NA		3.1	Y	Absent	06-DEC-18 07:32	NYTCL-8260HLW-R2(14)
L1849818-04D	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		TS(7)
L1849818-04E	Glass 120ml/4oz unpreserved	A	NA		3.1	Y	Absent		NYTCL-8270(14)

*Values in parentheses indicate holding time in days

Project Name: 18-223391.3
Project Number: 18-223391.3

Lab Number: L1849818
Report Date: 12/11/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1849818-05A	Vial MeOH preserved	A	NA		3.1	Y	Absent		HOLD-8260HLW(14)
L1849818-05B	Vial water preserved	A	NA		3.1	Y	Absent	06-DEC-18 07:32	HOLD-8260HLW(14)
L1849818-05C	Vial water preserved	A	NA		3.1	Y	Absent	06-DEC-18 07:32	HOLD-8260HLW(14)
L1849818-05D	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		HOLD-WETCHEM()
L1849818-05E	Glass 120ml/4oz unpreserved	A	NA		3.1	Y	Absent		HOLD-8270(14)
L1849818-06A	Vial MeOH preserved	A	NA		3.1	Y	Absent		HOLD-8260HLW(14)
L1849818-06B	Vial water preserved	A	NA		3.1	Y	Absent	06-DEC-18 07:32	HOLD-8260HLW(14)
L1849818-06C	Vial water preserved	A	NA		3.1	Y	Absent	06-DEC-18 07:32	HOLD-8260HLW(14)
L1849818-06D	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		HOLD-WETCHEM()
L1849818-06E	Glass 120ml/4oz unpreserved	A	NA		3.1	Y	Absent		HOLD-8270(14)
L1849818-07A	Vial MeOH preserved	A	NA		3.1	Y	Absent		NYTCL-8260HLW-R2(14)
L1849818-07B	Vial water preserved	A	NA		3.1	Y	Absent	06-DEC-18 07:32	NYTCL-8260HLW-R2(14)
L1849818-07C	Vial water preserved	A	NA		3.1	Y	Absent	06-DEC-18 07:32	NYTCL-8260HLW-R2(14)
L1849818-07D	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		TS(7)
L1849818-07E	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		TS(7)
L1849818-07F	Glass 120ml/4oz unpreserved	A	NA		3.1	Y	Absent		NYTCL-8270(14)
L1849818-07G	Glass 120ml/4oz unpreserved	A	NA		3.1	Y	Absent		NYTCL-8082(14)
L1849818-08A	Vial MeOH preserved	A	NA		3.1	Y	Absent		HOLD-8260HLW(14)
L1849818-08B	Vial water preserved	A	NA		3.1	Y	Absent	06-DEC-18 07:32	HOLD-8260HLW(14)
L1849818-08C	Vial water preserved	A	NA		3.1	Y	Absent	06-DEC-18 07:32	HOLD-8260HLW(14)
L1849818-08D	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		HOLD-WETCHEM()
L1849818-08E	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		HOLD-WETCHEM()
L1849818-08F	Glass 120ml/4oz unpreserved	A	NA		3.1	Y	Absent		HOLD-8270(14)
L1849818-08G	Glass 120ml/4oz unpreserved	A	NA		3.1	Y	Absent		HOLD-8082()
L1849818-09A	Vial MeOH preserved	A	NA		3.1	Y	Absent		NYTCL-8260HLW-R2(14)
L1849818-09B	Vial water preserved	A	NA		3.1	Y	Absent	06-DEC-18 07:32	NYTCL-8260HLW-R2(14)
L1849818-09C	Vial water preserved	A	NA		3.1	Y	Absent	06-DEC-18 07:32	NYTCL-8260HLW-R2(14)
L1849818-09D	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: 18-223391.3
Project Number: 18-223391.3

Lab Number: L1849818
Report Date: 12/11/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1849818-09E	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		TS(7)
L1849818-09F	Glass 250ml/8oz unpreserved	A	NA		3.1	Y	Absent		NYTCL-8270(14)
L1849818-09G	Glass 250ml/8oz unpreserved	A	NA		3.1	Y	Absent		NYTCL-8270(14)
L1849818-10A	Vial MeOH preserved	B	NA		3.7	Y	Absent		HOLD-8260HLW(14)
L1849818-10B	Vial water preserved	B	NA		3.7	Y	Absent	06-DEC-18 07:32	HOLD-8260HLW(14)
L1849818-10C	Vial water preserved	B	NA		3.7	Y	Absent	06-DEC-18 07:32	HOLD-8260HLW(14)
L1849818-10D	Plastic 2oz unpreserved for TS	B	NA		3.7	Y	Absent		HOLD-WETCHEM()
L1849818-10E	Plastic 2oz unpreserved for TS	B	NA		3.7	Y	Absent		HOLD-WETCHEM()
L1849818-10F	Glass 120ml/4oz unpreserved	B	NA		3.7	Y	Absent		HOLD-8270(14),HOLD-8082()
L1849818-10G	Glass 120ml/4oz unpreserved	B	NA		3.7	Y	Absent		HOLD-8270(14),HOLD-8082()
L1849818-10H	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		HOLD-METAL(180)
L1849818-11A	Vial HCl preserved	B	NA		3.7	Y	Absent		HOLD-8260(14)
L1849818-11B	Vial HCl preserved	B	NA		3.7	Y	Absent		HOLD-8260(14)
L1849818-11C	Vial HCl preserved	B	NA		3.7	Y	Absent		HOLD-8260(14)
L1849818-11D	Amber 250ml unpreserved	B	7	7	3.7	Y	Absent		HOLD-8270(7)
L1849818-12A	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L1849818-12B	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L1849818-12C	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L1849818-12D	Amber 120ml unpreserved	B	7	7	3.7	Y	Absent		NYTCL-8082-LVI(7)
L1849818-12E	Amber 120ml unpreserved	B	7	7	3.7	Y	Absent		NYTCL-8082-LVI(7)
L1849818-12F	Amber 250ml unpreserved	B	7	7	3.7	Y	Absent		NYTCL-8270-SIM-LVI(7)
L1849818-12G	Amber 250ml unpreserved	B	7	7	3.7	Y	Absent		NYTCL-8270-SIM-LVI(7)
L1849818-13A	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L1849818-13B	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L1849818-13C	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L1849818-13D	Amber 250ml unpreserved	B	7	7	3.7	Y	Absent		NYTCL-8270-SIM-LVI(7)
L1849818-13E	Amber 250ml unpreserved	B	7	7	3.7	Y	Absent		NYTCL-8270-SIM-LVI(7)
L1849818-14A	Vial HCl preserved	B	NA		3.7	Y	Absent		HOLD-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 18-223391.3
Project Number: 18-223391.3

Lab Number: L1849818
Report Date: 12/11/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1849818-14B	Vial HCl preserved	B	NA		3.7	Y	Absent		HOLD-8260(14)
L1849818-14C	Vial HCl preserved	B	NA		3.7	Y	Absent		HOLD-8260(14)
L1849818-14D	Amber 250ml unpreserved	B	7	7	3.7	Y	Absent		HOLD-8270(7)
L1849818-14E	Amber 250ml unpreserved	B	7	7	3.7	Y	Absent		HOLD-8270(7)
L1849818-15A	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L1849818-15B	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L1849818-15C	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L1849818-15D	Amber 250ml unpreserved	B	7	7	3.7	Y	Absent		NYTCL-8270-SIM-LVI(7)
L1849818-15E	Amber 250ml unpreserved	B	7	7	3.7	Y	Absent		NYTCL-8270-SIM-LVI(7)
L1849818-16A	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L1849818-16B	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L1849818-16C	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L1849818-16D	Amber 250ml unpreserved	B	7	7	3.7	Y	Absent		NYTCL-8270-SIM-LVI(7)
L1849818-16E	Amber 250ml unpreserved	B	7	7	3.7	Y	Absent		NYTCL-8270-SIM-LVI(7)
L1849818-17A	Vial HCl preserved	B	NA		3.7	Y	Absent		HOLD-8260(14)
L1849818-17B	Vial HCl preserved	B	NA		3.7	Y	Absent		HOLD-8260(14)
L1849818-17C	Vial HCl preserved	B	NA		3.7	Y	Absent		HOLD-8260(14)
L1849818-17D	Amber 120ml unpreserved	B	7	7	3.7	Y	Absent		HOLD-8082()
L1849818-17E	Amber 120ml unpreserved	B	7	7	3.7	Y	Absent		HOLD-8082()
L1849818-17F	Amber 250ml unpreserved	B	7	7	3.7	Y	Absent		HOLD-8270(7)
L1849818-17G	Amber 250ml unpreserved	B	7	7	3.7	Y	Absent		HOLD-8270(7)
L1849818-18A	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L1849818-18B	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L1849818-18C	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L1849818-18D	Amber 120ml unpreserved	B	7	7	3.7	Y	Absent		NYTCL-8082-LVI(7)
L1849818-18E	Amber 120ml unpreserved	B	7	7	3.7	Y	Absent		NYTCL-8082-LVI(7)
L1849818-18F	Amber 250ml unpreserved	B	7	7	3.7	Y	Absent		NYTCL-8270-SIM-LVI(7)
L1849818-18G	Amber 250ml unpreserved	B	7	7	3.7	Y	Absent		NYTCL-8270-SIM-LVI(7)

*Values in parentheses indicate holding time in days

Project Name: 18-223391.3
Project Number: 18-223391.3

Lab Number: L1849818
Report Date: 12/11/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1849818-19A	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L1849818-19B	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L1849818-19C	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L1849818-19D	Amber 250ml unpreserved	B	7	7	3.7	Y	Absent		NYTCL-8270-SIM-LVI(7)
L1849818-19E	Amber 250ml unpreserved	B	7	7	3.7	Y	Absent		NYTCL-8270-SIM-LVI(7)
L1849818-20A	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L1849818-20B	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L1849818-20C	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L1849818-20D	Amber 120ml unpreserved	B	7	7	3.7	Y	Absent		NYTCL-8082-LVI(7)
L1849818-20E	Amber 120ml unpreserved	B	7	7	3.7	Y	Absent		NYTCL-8082-LVI(7)
L1849818-20F	Amber 250ml unpreserved	B	7	7	3.7	Y	Absent		NYTCL-8270-SIM-LVI(7)
L1849818-20G	Amber 250ml unpreserved	B	7	7	3.7	Y	Absent		NYTCL-8270-SIM-LVI(7)
L1849818-20H	Plastic 250ml HNO3 preserved	B	<2	<2	3.7	Y	Absent		-
L1849818-20X	Plastic 120ml HNO3 preserved Filtrates	B	NA		3.7	Y	Absent		SE-6020S(180),CR-6020S(180),BA-6020S(180),PB-6020S(180),AG-6020S(180),AS-6020S(180),CD-6020S(180),HG-S(28)

*Values in parentheses indicate holding time in days

Project Name:	18-223391.3	**Lab Number:**	L1849818
Project Number:	18-223391.3	**Report Date:**	12/11/18

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:	18-223391.3	**Lab Number:**	L1849818
Project Number:	18-223391.3	**Report Date:**	12/11/18

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:	18-223391.3	**Lab Number:**	L1849818
Project Number:	18-223391.3	**Report Date:**	12/11/18

REFERENCES

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

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

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 2

Date Rec'd in Lab: 12/6/18

ALPHA Job #: L1849818

Client Information

Client: Partner Assessment Corp
Address: 611 Industrial Way W
Eatontown NJ 07724
Phone: 732-380-1700
Fax: 732-320-1701
Email: jlaliberte@partnerassessment.com; asmith@partnerassessment.com

Project Information

Project Name: 18-223391.3
Project Location: 440 Clinton St, Buffalo NY 14204
Project # 18-223391.3
(Use Project name as Project #) ☐
Project Manager: Alex Smith
ALPHAQuote #:

Turn-Around Time

Standard ☒ 5 Day Due Date:
Rush (only if pre approved) ☐ # of Days:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables

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

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

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

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other:

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	VOCs (8260)	PAHs (8270)	RCRA 8 Metals (6010/7471) Hg	PCBs (8082)	Total Bottle	Sample Specific Comments
49818-01	B-10	12/5/18	8:20	S	JL	X	X				
-02	B-11		8:50			X	X		X		
-03	B-12		10:40			X	X				
-04	B-13		11:20			X	X				
-05	B-14		11:45			X	X				
-06	B-15		12:45			X	X				
-07	B-16		13:25			X	X		X		
-08	B-17		14:00			X	X		X		
-09	B-18		14:30			X	X				
-10	B-19	12/5/18	15:40	S	JL	X	X	X	X		

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

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

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	12/5/18 17:15	Jack Sherry GLC	12/5/18 17:26
Jack Sherry GLC	12/5/18 17:45	[signature] AMR	12/6/18 0135

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)

ALPHA ANALYTICAL

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193
Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

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

Page 2 of 2

Date Rec'd in Lab: 12/6/18

ALPHA Job #: L1849818

Client Information
Client: Partner Assessment Corp
Address: 611 Industrial Way W
Eatontown NJ 07724
Phone: 732-380-1700
Fax: 732-380-1701
Email: [illegible]@partnerassociates.com

Project Information
Project Name: 18-223391.3
Project Location: 440 Clinton St, Buffalo, NY 14204
Project #: 18-223391.3
(Use Project name as Project #) ☐
Project Manager: Alex Smith
ALPHAQuote #:

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☐ # of Days:

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:
Samples for metals to be lab filtered

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	VOCs (8260)	PAHs (8270)	RCRA (8 metals) (6010/7471) Dissolved Metals	PCBs (8082)	Total Bottle	Sample Specific Comments
49818-11	B-10 GW	12/5/18	8:30	GW	JL	X	X				
-12	B-11 GW		10:15	GW		X	X		X		
-13	B-12 GW		10:45	GW		X	X				
-14	B-13 GW		11:25	GW		X	X				
-15	B-14 GW		11:55			X	X				
-16	B-15 GW		12:35			X	X				
-17	B-16 GW		13:30			X	X		X		
-18	B-17 GW		14:10			X	X		X		
-19	B-18 GW		14:40			X	X				
-20	B-19 GW	12/5/18	15:50	GW	JL	X	X	X	X		

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

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

Container Type									
Preservative									

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	12/5/18 17:25	[illegible]	12/5/18 17:25
[illegible]	12/5/18 17:45	[illegible]	12/6/18 0135

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)