Remedial Investigation / Alternatives Analysis Report

905 Elmwood Avenue Site
Buffalo, New York

April 2015 0136-014-002

Prepared For:

Elmwood Village Properties, LLC

Prepared By:

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REMEDIAL INVESTIGATION / ALTERNATIVES ANALYSIS REPORT

905 ELMWOOD AVENUE SITE

BUFFALO, NEW YORK

BCP SITE No. C915288

April 2015 | 0136-014-002

Prepared for:

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In Association With:

TURNKEY ENVIRONMENTAL RESTORATION, LLC

RI /AA REPORT

905 Elmwood Avenue Site

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Certification

I, Thomas H. Forbes, certify that I am currently a NYS registered professional engineer as defined in 6NYCRR Part 375 and that this March 2015 Remedial Investigation /Alternatives Analysis Report (RI/AAR) was prepared in general accordance with applicable statutes and regulations and in general conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and that activities were performed in general accordance with the DER-approved work plan and any DER-approved modifications.

_____

Date

1.0 INTRODUCTION

This Remedial Investigation/Alternatives Analysis Report (RI/AAR) has been prepared by Benchmark Environmental Engineering and Science, PLLC (Benchmark), in association with TurnKey Environmental Restoration, LLC (TurnKey), referred to herein as Benchmark-TurnKey, on behalf of Elmwood Village Properties, LLC, for the 905 Elmwood Avenue Site, located in the City of Buffalo, Erie County, New York (Site; see Figures 1 and 2).

Elmwood Village Properties, LLC, has elected to pursue investigation, cleanup and redevelopment of the Site under the New York State Brownfield Cleanup Program (BCP), and executed a Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC) in September 2014 (BCP Site No. C915288). The Remedial Investigation/Interim Remedial Measures (RI/IRM) Work Plan was approved by the NYSDEC, with concurrence of the New York State Department of Health (NYSDOH) on October 20, 2014. Benchmark-TurnKey performed RI activities at the Site in January and February 2015.

1.1 Background

1.1.1 Property and Site Description

The Site consists of an approximate 0.32 acre single parcel (Erie County S.B.L. No. 89.78-1-51), located on the southeastern corner of Elmwood Avenue and West Delavan in the City of Buffalo, Erie County, New York. The Site is located in a commercial and residential area with adjacent properties including residences to the east and south, commercial to the north and mixed use residential and commercial properties to the west.

The Site has a long history as a petroleum filling and automobile service station since at least 1964. The Site currently consists of a convenience and automobile service station building, three (3) known underground storage tanks (USTs), fuel dispensers, and associated canopy, and asphalt/concrete parking areas (see Figure 2).

1.1.2 Previous Investigations

A summary of the previous investigations that have occurred at the Site are presented below. The historic sample locations have been approximated on the RI figures, and a summary of the historic analytical results with comparison to applicable 6NYCRR Part 375 soil cleanup objectives (SCOs) is presented on Table 2.

1.1.2.1 December 2010 – Remedial Action Plan

Empire GeoServices, Inc. (Empire) completed a subsurface investigation in November 2010. The subsurface investigation included the advancement of twelve (12) soil probes, identified as P-1 through P-12, focused primarily along the northern portion of the Site. Findings of the report are summarized below:

- The Site operated as an automobile filling and service station, including at least three (3) underground storage tanks (USTs). Petroleum bulk storage (PBS) No. 9-103616.
- Multiple failures of tank tightness testing were noted related to UST 002.
- Multiple soil borings analytical results exceed Unrestricted, Residential and Commercial Use Soil Cleanup Objectives (SCOs), with total volatile organic compounds (VOCs) being noted as high as 6,300 milligram per kilogram (mg/Kg) in P-12.
- Petroleum-related visual and/or olfactory concerns were identified at eight (8) of the twelve (12) borings. Specifically, a suspected petroleum sheen/product was noted at two (2) borings (P-9 and P-12) and suspect petroleum odors were noted at eight (8) borings (P-1, P-3, P-4, P-6, P-9 and P-10 through P-12).

1.1.2.2 June 2011 – Subsurface Investigation Results

Matrix Environmental Technologies, Inc. (METI) completed a subsurface investigation, on behalf of Sunoco, Inc. (R&M) in April 2011. The subsurface investigation included the advancement of seven (7) soil borings, identified as B101 through B107, primarily focused on the western portion of the Site along Elmwood Avenue. Findings of the subsurface investigation are detailed below:

- Elevated photoionization detector (PID) readings, above 5 parts per million (ppm), were noted in all boring locations.
- Elevated VOCs above CP-51 SCOs were detected in four (4) of the seven (7) boring locations, with total VOCs being detected as high as 79 mg/Kg in B103.

- Suspect petroleum odors were noted at six (6) of the seven (7) soil borings (all but B104).

1.1.2.3 July 2011 – Remediation Work Plan

METI prepared a Remediation Work Plan, on behalf of Sunoco, Inc. (R&M). The proposed remediation work included:

- Removal of the existing UST system, including three (3) USTs, fuel pump islands and canopy, and all appurtenant piping.
- Removal of on-Site petroleum impacted soil/fill, primarily along the northern and western portion of the Site.

1.2 Purpose and Scope

This RI/AAR has been prepared on behalf of Elmwood Village Properties, LLC, to describe and present the findings of the RI, and to evaluate remedial alternatives for the Site.

This report contains the following sections:

- Section 2.0 presents the approach for the RI
- Section 3.0 describes the physical characteristics of the Site as they pertain to the investigation findings
- Section 4.0 presents the investigation results by media
- Section 5.0 describes the fate and transport of the constituents of primary concern (COPCs).
- Section 6.0 presents the qualitative risk assessment.
- Section 7.0 evaluates remedial alternatives for the Site.
- Section 8.0 presents the RI/AA summary and conclusions
- Section 9.0 provides a list of references for this report.

2.0 INVESTIGATION APPROACH

The purpose of the RI field activities was to define the nature and extent of contamination on the BCP Site, and to collect data of sufficient quantity and quality to perform the remedial alternatives evaluation. The field investigation was completed across the BCP Site to supplement previous environmental data and to delineate areas requiring remediation. Field activities included: advancement of soil borings; subsurface soil sampling; monitoring well installation; groundwater sampling; and, collection of hydrogeologic data.

Field team personnel collected environmental samples in accordance with the rationale and protocols described in the Quality Assurance Project Plan (QAPP). USEPA and NYSDEC-approved sample collection and handling techniques were utilized during field activities. Samples for chemical analysis were analyzed in accordance with USEPA SW-846 methodology with an equivalent Category B deliverable package to meet the definitive-level data requirements. Analytical results were evaluated by a third-party data validation expert in accordance with provisions described in the QAPP.

The investigation activities are described below. Figure 3 presents the RI sample locations including historic sample locations. Appendix A contains photographs of field activities. Field borehole logs and well completion details are included in Appendix B.

2.1 RI Soil/Fill Investigation

A soil/fill investigation was completed across the Site to supplement previous environmental data and to further delineate known contamination on-Site. The soil/fill investigation included the advancement of soil borings across the Site on January 22nd and 23rd, 2015. In accordance with the approved work plan, no surface samples were collected as the Site predominantly is covered by buildings and asphalt parking areas.

2.1.1 Subsurface Soil/Fill

The RI subsurface soil/fill investigation included the advancement of nine (9) soil borings, identified as SB-1 through SB-9, across the Site (see Figure 3). Soil borings were advanced using direct-push drilling techniques until equipment refusal ranging between ten (10) and fifteen (15) feet below ground surface (fbgs). Subsurface soil/fill samples were

field-screened for the presence of VOCs using a hand-held PID. Soil boring logs are provided in Appendix B.

2.1.2 Soil/Fill Sample Collection and Analyses

Soil/fill samples were collected using dedicated stainless steel sampling tools. Representative soil samples were placed in pre-cleaned laboratory provided sample bottles, cooled to 4ºC in the field, and transported under chain-of-custody command to a NYSDOH Environmental Laboratory Accreditation Program (ELAP)-certified analytical laboratory.

Representative subsurface soil/fill samples were analyzed in accordance with the approved work plan, for Target Compound List (TCL) plus Commissioner Policy (CP-51) VOCs and TCL semi-volatile organic compounds (SVOCs), Target Analyte List (TAL) metals, polychlorinated biphenyls (PCBs) pesticides and herbicides as detailed on Table 1.

All samples were collected and analyzed in accordance with United States Environmental Protection Agency (USEPA) SW-846 methodology with equivalent NYSDEC Category B deliverables to allow for independent third-party data usability assessment.

2.2 Groundwater Investigation

Benchmark-TurnKey personnel provided oversight for the installation of four (4) groundwater monitoring wells, identified as TMW-1 through TMW-4, to investigate on-Site groundwater quality and flow. Details of the well installation, well development, and groundwater sampling are provided below. Figure 4 presents the location of the monitoring well network.

2.2.1 Monitoring Well Installation and Development

After completion of the subsurface soil investigation, four (4) soil boring locations were subsequently converted to monitoring wells, identified as SB-1/TMW-1, SB-2/TMW-2, SB-7/TMW-4 and SB-8/TMW-3. The monitoring wells were installed using a direct-push drill rig capable of advancing hollow-stem augers to install two-inch inside diameter (ID) monitoring wells in accordance with the approved Work Plan. TMW-2 and TMW-4 were installed on January 23, 2015, and TMW-1 and TMW-4 were installed on January 26, 2015.

Monitoring well construction details are presented on the Borehole Logs in Appendix B. Locations of the monitoring wells are presented on Figures 3 and 4.

TMW-2 and TMW-3 were developed on January 26, 2015, and TMW-1 and TMW-4 were developed on February 3, 2015 in accordance with the approved work plan. Development of the monitoring wells was completed with dedicated disposable polyethylene bailers via surge and purge methodology. Field parameters including pH, temperature, turbidity, dissolved oxygen and specific conductance were measured every well volume during development until they became relatively stable, or well went dry. Development water from the monitoring wells was containerized pending groundwater analytical results.

2.2.2 Groundwater Sample Collection

Groundwater samples were collected on February 9, 2015. Prior to sampling, Benchmark-TurnKey personnel purged a minimum of two (2) well volumes, due to low groundwater well recovery rates and sampled monitoring wells using dedicated bailers. Field measurements for pH, specific conductance, temperature, turbidity, dissolved oxygen, and water levels, as well as visual and olfactory field observations, were periodically recorded and monitored for stabilization. All collected groundwater samples were placed in pre-cleaned, pre-preserved laboratory provided sample bottles, cooled to 4°C in the field, and transported under chain-of-custody command to a NYSDOH ELAP-certified analytical laboratory.

2.2.3 Groundwater Sample Analyses

Groundwater samples were collected and analyzed for TCL plus CP-51 VOCs, TCL SVOCs, TAL metals, pesticides, herbicides, and PCBs as detailed on Table 1.

All sampling was performed in accordance with USEPA SW-846 methodology with equivalent NYSDEC Category B deliverables to allow for independent third-party data usability assessment.

2.3 Field Specific Quality Assurance/Quality Control Sampling

In addition to the subsurface soil/fill and groundwater samples described above, field-specific quality assurance/quality control (QA/QC) samples were collected and analyzed to ensure the reliability of the generated data as described in the QAPP and to

support the required third-party data usability assessment effort. Site-specific QA/QC samples included matrix spikes, matrix spike duplicates, blind duplicates, and trip blanks.

2.4 Site Mapping

A Site map was developed during the RI field investigation. All sample points and relevant Site features were located on the map. Benchmark-TurnKey personnel employed a handheld GPS unit to identify sample locations relative to State planar grid coordinates. Monitoring well elevations were measured by Benchmark-TurnKey's surveyor. An isopotential map showing the groundwater elevations was prepared based on water level measurements relative to the Site vertical datum (see Figure 4).

2.5 Decontamination & Investigation-Derived Waste Management

Every attempt was made to utilize dedicated sampling equipment during the RI, however, non-dedicated equipment was required and/or used (hand cores, spilt spoons) and was decontaminated with a non-phosphate detergent (i.e., Alconox®) and potable water mixture, rinsed with distilled water, and air-dried before each use in accordance with Benchmark's field operating procedures (FOPs).

RI-generated drilling spoils as well as decontamination and groundwater development water were containerized to allow for appropriate waste characterization based on the RI analytical findings.

IDW will be reused, recycled, and/or disposed off-Site, in accordance with the approved remedial activities.

3.0 SITE PHYSICAL CHARACTERISTICS

The physical characteristics of the Site observed during the RI are described in the following sections.

3.1 Site Topography and Drainage

The Site is generally flat lying with limited distinguishable Site topographic features. The surface of the Site is predominately covered with pavement (i.e. asphalt and concrete) and convenience store and automotive repair building, and fuel dispensing island and canopy. Precipitation (i.e., rain or melting snow) moves to the on-Site storm drains and roadways via overland flow.

3.2 Geology and Hydrogeology

3.2.1 Overburden

The U.S. Department of Agriculture Soil Conservation Service soil survey map of Erie County describes the general soil type at the Site as urban land-collamer complex (UmA) which indicates level to gently sloping land with at least 80 percent of the soil surface covered by asphalt, concrete, buildings, or other impervious structures typical of an urban environment. The presence of overburden fill material is widespread and common throughout the City of Buffalo.

The geology at the Site was investigated during the RI and is generally described as asphalt and/or concrete surface cover with non-native soil/fill material generally present in the upper 4-8-fbgs with varying amounts of granular soils (silts, sand and clay). Native soils generally consisted of sandy lean clay or silty sand was found ranging from 4-15 fbgs Boring logs are provided in Appendix B.

3.2.2 Bedrock

Based on the bedrock geologic map of Erie County, the Site is situated over the Onondaga Formation of the Middle Devonian Series. The Onondaga Formation is comprised of a varying texture from coarse to very finely crystalline with a dark gray to tan color and chert and fossils within. The unit has an approximate thickness of 110 to 160 feet. Structurally, the bedrock formations strike in an east-west direction and exhibit a regional dip that approximates 40 feet per mile (3 to 5 degrees) toward the south and southwest. As

a result of this dip, the older Onondaga limestone outcrops or subcrops north of the Hamilton Group. An intersecting, orthogonal patter of fractures and joint sets are common throughout the bedrock strata. The surficial geomorphology of the bedrock strata was modified by period sub-aerial erosion and continental glaciation.

The historic subsurface investigations have advanced borings to a maximum depth of 13-fbgs and the RI boring refusal depths ranged from 10 to 15 fbgs, at suspected competent bedrock.

3.3 Hydrogeology

Groundwater elevation data was collected during the RI, which included water levels measurements during development and sampling of the four (4) on-Site monitoring wells. Depth to groundwater ranged from 4 to 7.5 fbgs during the RI.

In general, on-Site overburden groundwater flow direction was estimated to be northwest toward the corner of Elmwood Avenue and West Delavan Avenue. Figure 4 depicts the isopotential map and water elevation data from the gauging event. Boring logs and well construction details are provided in Appendix B.

3.3.1 Hydraulic Gradients

Hydraulic properties of the saturated overburden at the Site were evaluated from data collected during the RI groundwater sampling on February 9, 2015. On-Site overburden groundwater flows in a northwest direction at a measured hydraulic gradient of 0.0215 ft/ft (TMW-3 to TMW-1).

4.0 INVESTIGATION RESULTS BY MEDIA

The nature and extent of contamination at the Site was further characterized using soil and groundwater samples collected and analyzed as part of the RI. As described in Section 2, soil samples collected during previous investigations were used to supplement this RI. Figure 3 shows the sampling locations for soil and groundwater samples collected during historic and RI investigations. Table 1 summarizes the sampling and analysis program of the RI, and Tables 2, 3 and 4 summarize the soil/fill and groundwater analytical data results with comparison to applicable regulatory guidelines. Laboratory analytical data packages are provided electronically in Appendix C.

4.1 Historic Soil Investigation Results

As described above, METI and Empire conducted limited site investigations at the Site related to NYSDEC Spill No. 0803566. A total of 19 soil borings, including 12 by Empire, identified as P-1 through P-12, and seven (7) by METI, identified as B101 through B107, were completed across the Site proximate to existing UST System.

Both previous investigations noted field evidence of petroleum-impacted soil/fill by olfactory observations and elevated PID readings, with PID readings as high as 1,900 ppm being reported.

A total of fourteen (14) soil samples were collected and analyzed for STARS List VOCs (via 8260). Table 2 summarizes the historic soil sample analytical results with comparison to Part 375 SCOs. As indicated on Table 2, elevated VOCs above their respective Part 375 Unrestricted, Residential and/or Commercial Use SCOs were identified across the Site, with values as high as 6,300 mg/Kg total VOCs in P-12.

4.2 RI Subsurface Soil/Fill Investigation

Benchmark-TurnKey completed nine (9) soil borings on-site to further assess subsurface conditions. Suspect petroleum odors and elevated PID readings were noted in six (6) of the nine (9) soil borings with the highest PID reading of 1,049 ppm identified at SB-06, and suspect petroleum sheen was noted at SB-04 on the macro-core sampling sleeve. Boring logs are provided in Appendix B.

4.2.1 Volatile Organic Compounds

Elevated petroleum-related VOCs, including 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, and benzene, toluene, ethylbenzene and xylene (BTEX compounds) exceeded Part 375 Unrestricted Use SCOs (USCOs) and Residential Use SCOs (RSCOs) were detected at SB-06.

It should be noted that petroleum impacts (i.e. olfactory, visual and elevated PID) noted in the field at SB-3 and SB-4 were not submitted for laboratory analysis of VOCs, as these areas are planned to be removed during the IRM excavation.

4.2.2 Semi-Volatile Organic Compounds

No SVOCs were detected above USCOs. The vast majority of SVOCs were reported as non-detectable or at trace concentrations (some of which were estimated) by the analytical laboratory during the RI.

4.2.3 Inorganic Compounds

No metals were detected above USCOs.

4.2.4 Pesticides, Herbicides and Polychlorinated Biphenyls

No pesticides, herbicides, or PCBs were detected above USCOs.

4.2.5 Subsurface Soil/Fill Summary

As described above, results of previous investigations completed across the Site revealed evidence of petroleum contamination at 14 of 19 sample locations, primarily related to the UST System. Elevated VOCs, exceeding Part 375 Commercial Use SCOs (CSCOs) were detected on-Site. RI soil investigation results indicate petroleum impacted soil/fill in six (6) of the nine (9) sample locations, expanding the previously identified petroleum impacted area to include SB-4 and SB-6.

No SVOCs, PCBs, pesticides or herbicides were detected above USCOs with the majority being reported as non-detect by the laboratory.

4.3 Groundwater Investigation

Benchmark-TurnKey personnel provided oversight for the installation of groundwater monitoring wells to investigate on-Site groundwater quality and flow direction.

Figure 4 presents the location of the monitoring well network and Table 4 presents a comparison of the detected groundwater parameters to the Class GA Groundwater Quality Standards (GWQS) per NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations (June 1988). Groundwater samples were collected in accordance with the work plan and analyzed in accordance with Table 1. It should be noted that herbicide were not analyzed from TMW-4 due to low well recovery rate.

4.3.1 Volatile Organic Compounds

The majority of analytes were reported as non-detectable or trace (estimated) concentrations below the laboratory quantitation limit. Benzene and methyl tert butyl ether (MTBE) were detected above their respective GWQS in TMW-1 and several VOCs were detected above their GWQS in TMW-4 (see Table 4).

4.3.2 Semi-Volatile Organic Compounds

No SVOCs were detected above their GWQS, with the vast majority of analytes being reported as non-detectable by the laboratory (see Table 4).

4.3.3 Inorganic Compounds

The majority of metals detected at concentrations above GWQS were primarily limited to naturally-occurring minerals, including iron, magnesium, manganese, and sodium. Lead slightly exceeded its GWQS of 25 ug/L in TMW-1 (28 ug/L). The elevated detection are reasonably attributed to turbidity in the groundwater samples.

4.3.4 Polychlorinated Biphenyls Pesticides, and Herbicides

No PCBs or herbicides were detected above GWQS, with the vast majority of analytes were reported as non-detectable or trace (estimated) concentrations below the laboratory quantitation limit.

The majority of pesticide analytes were reported as non-detectable or trace (estimated) concentrations below the laboratory quantitation limit and GWQS, with only chlordane being detected above its GWQS of 0.05 ug/L at TMW-2 (1.21 ug/L); however, it should be noted this result was reported as an "estimated" value by the laboratory and that no pesticides, including chlordane, were detected in on-Site soil/fill.

4.3.5 Summary

As described above, no SVOCs, PCBs, or herbicides were detected above GWQS. Benzene, MTBE, and lead were detected above their respective GWQS at TMW-1, and several VOCs were detected above GWQS at TMW-4. One pesticide, chlordane, was detected above its GWQS at TMW-2, though this results was reported as estimated by the laboratory. Several naturally-occurring metals were detected above GWQS, including iron, magnesium, manganese, and sodium.

4.4 Data Usability Summary

In accordance with the RI/ IRM Work Plan, the laboratory analytical data from this investigation was assessed and, as required, submitted for independent review. Data Validation Services located in North Creek, New York performed the data usability summary assessment, which involved a review of the summary form information and sample raw data, and a limited review of associated QC raw data. Specifically, the following items were reviewed:

- Laboratory Narrative Discussion
- Custody Documentation
- Holding Times
- Surrogate and Internal Standard Recoveries
- Matrix Spike Recoveries/Duplicate Recoveries
- Field Duplicate Correlation
- Preparation/Calibration Blanks
- Control Spike/Laboratory Control Samples
- Instrumental IDLs
- Calibration/CRI/CRA Standards
- ICP Interference Check Standards
- ICP Serial Dilution Correlations
- Sample Results Verification

The Data Usability Summary Report (DUSR) was conducted using guidance from the USEPA Region 2 validation Standard Operating Procedures, the USEPA National Functional Guidelines for Data Review, as well as professional judgment.

In summary, sample analyses were primarily conducted in compliance with the required analytical protocols. Most sample results are usable either as reported or with minor qualification. One volatile analyte (1,4-dioxane) result in all samples was rejected due to processing limitations, and one SVOC (2,4-dinitrophenol) was rejected due to apparent matrix effect.

The detections of acetone and 2-butanone in all soil samples except for SB-6 (4.5-6.5') are considered external contamination and were edited (B qualifier) to reflect non-detection due to being identified in the method blank. Qualifications of the data have been incorporated to the summary data tables. Appendix D includes the DUSR.

5.0 FATE AND TRANSPORT OF COCS

The subsurface soil/fill and groundwater sample analytical results of the historic investigations and RI were incorporated with the physical characterization of the Site to evaluate the fate and transport of COCs in Site media. The mechanisms by which the COCs can migrate to other areas or media are briefly outlined below.

5.1 Fugitive Dust Generation

Volatile and non-volatile chemicals present in soil/fill can be released to ambient air as a result of fugitive dust generation. Historic use of the Site as an automobile gasoline filling and repair operation has impacted subsurface soil/fill with petroleum-related VOCs, and as such, fugitive dust generation during excavations related to remediation, and Site redevelopment activities is considered a relevant potential short-term migration pathway.

Particulate monitoring in accordance with the approved Community Air Monitoring Plan (CAMP) will be employed during future remediation and redevelopment.

5.2 Volatilization

Volatile chemicals present in soil/fill and groundwater may be released to ambient or indoor air through volatilization either from or through the soil/fill underlying building structures. Volatile chemicals typically have a low organic-carbon partition coefficient (K_{oc}), low molecular weight, and a high Henry's Law constant.

Historic operations on-Site have impacted on-Site soil/fill and groundwater with petroleum-related VOCs (see Tables 2 through 4).

Based on the outcome of the planned IRMs and future redevelopment of the Site, a soil vapor assessment will be completed, or the Volunteer may elect to install a subslab depressurization system within future building(s).

Accordingly, volatilization from petroleum VOC impacted soil/fill and groundwater is considered a relevant migration pathway.

5.3 Surface Water Runoff

The potential for soil particle transport via surface water runoff is low, as the majority of the Site is predominantly covered by concrete, asphalt and/or building. Precipitation waters are collected in on-Site catch basins, transferred by municipal sewer system and ultimately treated by the Buffalo Sewer Authority. The storm sewer system provides a

mechanism for controlled surface water transport but will ultimately result in sediment capture in the Buffalo Sewer Authority's grit chambers followed by disposal at a permitted sanitary landfill.

Surface water in contact with contaminated soils that may be exposed during remedial excavation activities would be managed in accordance with the approved Soil/Fill Management Plan (previously provided in the work plan), which would minimize or eliminate the potential of contaminated sediment particles migrating from the Site. If necessary, excavation waters will be managed in accordance with the Buffalo Sewer Authority temporary discharge permit.

5.4 Leaching

Leaching refers to chemicals present in soil/fill migrating downward to groundwater as a result of infiltration of precipitation. The majority of the Site is covered by impermeable surfaces (i.e., asphalt, concrete, and building) which limit infiltration of precipitation.

Potential for VOCs leaching from the UST system and petroleum-impacted soil/fill is considered a relevant migration pathway. Planned IRM excavation will remove the UST System and petroleum-impacted soil/fill on-Site, effectively removing the source area and mitigating future VOC leaching pathway.

5.5 Groundwater Transport

On-Site overburden groundwater flows in a northwesterly direction (see Figure 4), with a calculated hydraulic gradient of 0.0215 ft/ft (TMW-3 to TMW-1).

RI groundwater analytical results, presented in Table 4, indicated concentrations of petroleum related VOCs above GWQS, specifically TMW-1, located downgradient of the UST System. Groundwater transport of petroleum impacted groundwater would be considered a relevant migration pathway; however, planned IRM excavation activities will remove the UST System and petroleum-impacted soil/fill on-Site removing the source area and mitigating transport of VOC-impacted groundwater.

5.6 Exposure Pathways

Based on the fate and transport analysis provided above, the current pathways through which Site contaminants could potentially reach receptors at significant exposure point concentrations are: fugitive dust during excavation activities, volatilization of

petroleum VOCs related to the UST system and petroleum impacted soil/fill, leaching of petroleum VOCs related to the UST system, and incidental contact with on-Site overburden groundwater.

Remedial activities will be completed in accordance with the approved Interim Remedial Measures (IRM) Work Plan and will significantly minimize or eliminate the potential that contaminated soil/fill particles could migrate from the Site in the form of fugitive dust and/or surface runoff.

During proposed remediation construction activities, a Community Air Monitoring Program (CAMP) and erosion and sediment control strategies will be implemented to mitigate the potential for off-site exposure; and, excavation dewatering will be completed in accordance with an approved Buffalo Sewer Authority temporary discharge permit.

6.0 QUALITATIVE EXPOSURE ASSESSMENT

6.1 Potential Human Health Exposure Assessment

The 905 Elmwood Avenue Site is planned for a mixed-use commercial and residential redevelopment. The planned reuse is consistent with the surrounding property use and zoning. As such, human contact with the Site can be reasonably expected to occur primarily by two types of receptors: construction workers involved in the remediation and/or redevelopment of the Site, and trespassers who may traverse the property during intrusive activities. Construction workers will be comprised of adults, and trespassers would likely be limited to adolescents and adults. In both instances, exposure frequency would be expected to be minimal (short-term).

Though petroleum-impacted soil/fill above Part 375 CSCOs is currently present on-Site, contamination is limited to the subsurface, and direct contact is highly unlikely and limited to non-routine contact during deep excavation work (construction worker). Furthermore, the approved IRMs, will remove impacted soil/fill exceeding CSCOs, thereby removing potential future exposure scenarios.

For groundwater, excavation waters encountered during remedial excavation will be managed in accordance with SCGs, approved work plan, and discharged to sanitary sewer system under an approved temporary discharge permit. Furthermore, the availability of municipally supplied potable water at the Site mitigates the potential for routine direct human contact or ingestion (i.e., as might occur with use of on-Site groundwater water for potable or process purposes). Human contact with groundwater can be expected to be limited to only one receptor: construction worker during deep intrusive activities. Currently, groundwater impacts appear to be primarily related to the UST system.

6.2 Potential Ecological Exposure Assessment

The current Site is a commercially developed facility located within a highly developed area of the City of Buffalo. The Site is predominantly covered with asphalt, concrete and building, which provide little or no wildlife habitat or food value, and/or access to the detected subsurface contamination.

The reasonably anticipated future use is mixed-use commercial and residential redevelopment with the majority of the Site being covered by buildings, concrete sidewalks and asphalt.

Planned IRMs will eliminate source areas including the former UST system, petroleum impacted soil/fill, and excavation water management, and approved IRMs are planned to achieve a Restricted-Residential or less restrictive use cleanup (e.g., Residential or Unrestricted). As such, no unacceptable ecological risks are anticipated under the current or reasonably anticipated future use scenario.

6.3 Potential Off-Site Exposure Risk

Per DER-10, the qualitative exposure assessment must consider the nature of populations currently exposed or have the potential to be exposed to Site-related contaminants both on-site and off-site, and must describe the reasonably anticipated future land use of the site and affected off-site areas. The qualitative exposure assessment must include a full delineation of the nature and extent of off-site impacts; unless the remedial party is a volunteer in the BCP, in which event off-site field information is only needed sufficient to identify the presence of contamination and support the qualitative off-site exposure assessment for these sites.

Although Elmwood Village Properties, LLC did not perform off-site sampling, Elmwood Village Properties, LLC reviewed historic on-Site investigation reports and a recent investigation report for off-site properties adjacent to the Site as discussed below.

6.3.1 Off-Site Soil Impacts

Historic investigation results indicate that contaminated soil/fill is present along the Elmwood Avenue and West Delevan Avenue property boundaries. Furthermore, the recent off-site investigation completed by Matrix Environmental Technologies, Inc. (METI) discovered contaminated subsurface soil/fill, specifically petroleum VOCs, beneath the off-site sidewalk along both Elmwood Avenue and West Delevan Avenue. Soil sampling data from borings completed across Elmwood Avenue to the west and across West Delevan Avenue to the north indicate that there were no petroleum VOCs present in those borings.

6.3.2 Groundwater Impacts

Based on the RI groundwater assessment, petroleum VOCs were present in relatively low concentrations (i.e., less than 0.3 mg/L total VOCs) in TMW-1, which is the furthest

down gradient monitoring well on-Site. Therefore, it is likely that low concentrations of petroleum-impacted groundwater are present off-site. However, groundwater samples collected from two monitoring wells further down-gradient across Elmwood Avenue and West Delevan Avenue by METI during their off-site investigation indicated that petroleum VOCs were not detected in those wells.

6.3.3 Planned Remedial Work

Planned IRM excavations will be completed to the property boundaries along Elmwood Avenue and West Delevan Avenue in accordance with a Department approved Health and Safety Plan (HASP) and Community Air Monitoring Plan (CAMP). Furthermore, we understand that, based on discussions between Elmwood Village Properties, LLC and Sunoco (past owner), Sunoco intends to excavate off-site accessible contaminated soil beneath the sidewalk. Based on the close proximity of utilities along both Elmwood Avenue and West Delevan Avenue additional engineering (shoring) may be required to safely excavate petroleum impacted soil/fill to the depth required to achieve cleanup goals (BCP and/or Spills).

Excavation waters will be managed during intrusive activities in accordance with Buffalo Sewer Authority temporary discharge permit and Department requirements. After completion of the planned IRM source area removal, which will include removal of contaminated soil to the property boundaries and to the top of bedrock, and proper extraction and treatment of excavation waters, it is expected that on-Site groundwater will not exceed GWQS.

6.3.4 Summary

Under the future use (remediated) scenario, contaminated soil/fill will be excavated on-Site and, as we understand, beneath the sidewalks (i.e., soil excavated and excavation water removed and treated), which will remove source areas and prevent further migration of contaminated groundwater, which is known to limited to the property boundary or marginally beyond the property boundary. Therefore, following remediation of the Site, groundwater down gradient of the Site will improve over time. Soil is not mobile and therefore not an off-site migration or exposure concern beyond the known conditions.

7.0 REMEDIAL ALTERNATIVES EVALUATION

This section provides an analysis of the selected remedial approach by media using the Remedy Selection Evaluation Criteria identified in Section 4.2 of Guidance Document DER-10: Technical Guidance for Site Investigation and Remediation. In accordance with DER-10 Section 4.4(d)2, in addition to a "no action" baseline alternative, the following two alternatives are developed and assessed for each BCP Site based on NYSDEC-defined cleanup tracks as follows:

Track 1, 6 New York Codes, Rules and Regulations (6NYCRR) Part 375-3.8(e)(1) requires site media to meet Part 375 SCOs that will allow the site to be used for any purpose without restrictions on the use of the site (i.e., unrestricted use). The soil cleanup must achieve the unrestricted use criteria at any depth above bedrock. Details and evaluation of the Track 1 alternative are described below.

Track 2, 6NYCRR Part 375-3.8(e)(2) requires site media to meet Part 375 restricted use SCOs that are consistent with the end use. For the Site, the Track 2 cleanup must achieve the Residential Use SCOs to a depth of 15 fbgs. For Track 2 remedies, restrictions can be placed on the use of the property in the form of institutional and engineering controls, and future use and development will be completed in accordance with the environmental easement and site management plan. Details and evaluation of the Track 2 cleanup are described below.

7.1 Remedial Action Objectives

The final remedial measures for the 905 Elmwood Avenue Site must satisfy Remedial Action Objectives (RAOs). Remedial Action Objectives are site-specific statements that convey the goals for minimizing or eliminating substantial risks to public health and the environment.

Appropriate RAOs for the 905 Elmwood Avenue Site are:

7.1.1 UST System RAO

- Removal UST system (Tank No. 1, 2, and 3), including dispenser islands, piping and contents.

7.1.2 ASTs and Containers RAO

- Removal of ASTs and miscellaneous containers (i.e., 55-gallon drums), including contents.

7.1.3 Soil/Fill RAOs

- Remove petroleum-impacted soil/fill.
- Prevent ingestion of or direct contact with contaminated soil/fill.
- Prevent migration of contaminants that would result in groundwater and/or surface water contamination.

7.1.4 Groundwater RAOs

- Remove source of potential groundwater contamination.
- Prevent ingestion of or direct contact with groundwater containing contaminant levels exceeding SCGs.

7.2 General Response Actions

General Response Actions (GRAs) are broad classes of actions that are developed to achieve the RAOs and form the foundation for the identification and screening of remedial technologies and alternatives.

7.2.1 Former UST System

The GRAs available to address the RAOs for former UST system include:

- Removal and off-site disposal/recycling.
- Disposal/recycling of tank and piping contents.

7.2.2 ASTs and Containers

- Removal and off-site disposal/recycling.
- Disposal/recycling of tanks, containers, and contents.

7.2.3 Soil/Fill

The GRAs available to address the RAOs for soil/fill include:

- Institutional controls (e.g., Site Management Plan, Environmental Easement)
- Engineering controls (e.g., cover system)
- Treatment/Stabilization
- Excavation and off-site disposal and/or treatment

7.2.4 Groundwater

The GRAs available to address the RAOs for groundwater include:

- Monitored natural attenuation
- Institutional controls
- Engineering controls
- Treatment

7.3 Standards, Criteria, and Guidance

According to DER-10 Section 1.3(b)71, SCGs mean "*standards and criteria that are generally applicable, consistently applied, and officially promulgated, that are either directly applicable or not directly applicable but are relevant and appropriate, unless good cause exists why conformity should be dispensed with, and with consideration being given to guidance determined, after the exercise of scientific and engineering judgment, to be applicable. This term incorporates both the CERCLA concept of 'applicable or relevant and appropriate requirements' (ARARs) and the USEPA's 'to be considered' (TBCs) category of non-enforceable criteria or guidance. For purposes of this Guidance, 'soil SCGs' means the soil cleanup objectives and supplemental soil cleanup objectives identified in 6NYCRR 375-6.8 and the Commissioner Policy on Soil Cleanup Guidance (CP-Soil).*"

For discussion purposes, analytical results for the investigation were compared with the following Standards, Criteria, and Guidance values (SCGs):

Soil:

6 New York Code Rules and Regulation (6 NYCRR) Part 375 Environmental Remediation Programs, Subparts 375-12 to 375-4 & 375-6, effective December 14, 2006.; and,

NYSDEC Commissioners Policy CP-51 Soil Cleanup Guidance, effective October 21, 2010.

Groundwater

NYSDEC's Division of Water, Technical and Operational Guidance Series (TOGS 1.1.1), June 1998, amended April 2000. - Class GA Groundwater Quality Standards and Guidance Values (GWQS/GVs).

Additional discussions concerning the specific chemical-, action-, and location-specific SCGs that may be applicable, relevant, or appropriate to remedy selection for the Site are presented below. In each case, the identified SCGs are generally limited to regulations or technical guidance in lieu of the environmental laws from which they are authorized, as the laws are typically less prescriptive in nature and are inherently considered in the regulatory and guidance evaluations. Table 5 summarizes the SCGs by media that may be applicable or relevant and appropriate to the BCP Site.

7.3.1 Chemical-Specific SCGs

Chemical-specific SCGs are usually health- or risk-based concentrations in environmental media (e.g., air, soil, water), or methodologies that when applied to site-specific conditions, result in the establishment of concentrations of a chemical that may be found in, or discharged to, the ambient environment. The determination of potential chemical-specific SCGs for a site is based on the: nature and extent of contamination; potential migration pathways and release mechanisms for site contaminants; reasonably anticipated future site use; and likelihood that exposure to site contaminants will occur.

RI and historic sampling events included the collection and analysis of subsurface soil/fill and groundwater samples.

7.3.2 Location-specific SCGs

Location-specific SCGs are restrictions placed on the concentration of hazardous substances or the conduct of activities solely because they are in a specific location. Some examples of these unique locations include: floodplains, wetlands, historic places, and sensitive ecosystems or habitats. The location of the site is a fundamental determinant of its impact on human health and the environment.

The Site is located in a highly developed area of the City of Buffalo; as such, no location specific SCGs are applicable.

7.3.3 Action-Specific SCGs

Action-specific SCGs are restrictions placed on particular treatment or disposal technologies. Examples of action-specific SCGs are effluent discharge limits and hazardous waste manifest requirements.

7.4 Evaluation of Alternatives

In addition to achieving RAOs, NYSDEC's Brownfield Cleanup Program calls for remedy evaluation in accordance with Part 375-1.8(f) and DER-10 Technical Guidance for Site Investigation and Remediation. Specifically, the guidance states "When proposing an appropriate remedy, the person responsible for conducting the investigation and/or remediation should identify and develop a remedial action that is based on the following criteria..:"

- **Overall Protection of Public Health and the Environment**. This criterion is an evaluation of the remedy's ability to protect public health and the environment, assessing how risks posed through each existing or potential pathway of exposure are eliminated, reduced, or controlled through removal, treatment, engineering controls, or institutional controls.
- **Compliance with Standards, Criteria, and Guidance (SCGs)**. Compliance with SCGs addresses whether a remedy will meet applicable environmental laws, regulations, standards, and guidance.

- **Long-Term Effectiveness and Permanence**. This criterion evaluates the long-term effectiveness of the remedy after implementation. If wastes or treated residuals remain on-site after the selected remedy has been implemented, the following items are evaluated: (i) the magnitude of the remaining risks (i.e., will there be any significant threats, exposure pathways, or risks to the community and environment from the remaining wastes or treated residuals), (ii) the adequacy of the engineering and institutional controls intended to limit the risk, (iii) the reliability of these controls, and (iv) the ability of the remedy to continue to meet RAOs in the future.
- **Reduction of Toxicity, Mobility or Volume with Treatment**. This criterion evaluates the remedy's ability to reduce the toxicity, mobility, or volume of Site contamination. Preference is given to remedies that permanently and significantly reduce the toxicity, mobility, or volume of the wastes at the Site.
- **Short-Term Effectiveness**. Short-term effectiveness is an evaluation of the potential short-term adverse impacts and risks of the remedy upon the community, the workers, and the environment during construction and/or implementation. This includes a discussion of how the identified adverse impacts and health risks to the community or workers at the Site will be controlled, and the effectiveness of the controls. This criterion also includes a discussion of engineering controls that will be used to mitigate short term impacts (i.e., dust control measures), and an estimate of the length of time needed to achieve the remedial objectives.
- **Implementation**. The implementation criterion evaluates the technical and administrative feasibility of implementing the remedy. Technical feasibility includes the difficulties associated with the construction and the ability to monitor the effectiveness of the remedy. For administrative feasibility, the availability of the necessary personnel and material is evaluated along with potential difficulties in obtaining specific operating approvals, access for construction, etc.
- **Cost**. Capital, operation, maintenance, and monitoring costs are estimated for the remedy and presented on a present worth basis.

- **Community Acceptance**. This criterion evaluates the public's comments, concerns, and overall perception of the remedy.
- **Land Use –** This criterion includes the Department's determination of reasonable certainty of the use; and the evaluation of the reasonably anticipated future use of the site.

7.5 Anticipated Future Land Use Evaluation

In developing and screening remedial alternatives, NYSDEC's Part 375 regulations require that the reasonableness of the anticipated future land be factored into the evaluation. The regulations identify 16 criteria that must be considered. These criteria and the resultant outcome for the 905 Elmwood Avenue Site are presented below.

1. *Current use and historical and/or recent development patterns:* The Site has historically been operated as a gas station since at least 1964. The Site is located in a highly developed commercial retail and residential area in the City of Buffalo. The Site is being redeveloped with a mixed use commercial-residential building. **Accordingly, commercial-residential site redevelopment would be consistent with historic site use.**

2. *Applicable zoning laws and maps:* The Site is located in an area of the City of Buffalo zoned for mixed Commercial-Residential Use. **Continued use in a commercial-residential capacity is consistent with current zoning and future zoning in the Buffalo Green Code (draft 2014).**

3. *Brownfield opportunity areas as designated set forth in GML 970-r:* The Brownfield Opportunity Area (BOA) Program provides municipalities and community based organizations with assistance to complete revitalization plans and implementation strategies for areas or communities affected by the presence of brownfield sites, and site assessments for strategic sites. **The subject property does not lie within a BOA.**

4. *Applicable comprehensive community master plans, local waterfront revitalization plans as provided for in ECL article 42, or any other applicable land use plan formally adopted by a municipality:* The 905 Elmwood Site falls within the N-2P Zone indicating an urban center neighborhood (Elmwood Village) in the 2014 Buffalo Green Code **Redevelopment is consistent with the Buffalo Green Code and will not require rezoning or change in use.**

5. *Proximity to real property currently used for residential use, and to urban, commercial, industrial, agricultural and recreational areas:* The surrounding land is comprised of mixed use commercial and residential use parcels. **Redeveloping the site for mixed commercial and residential use is consistent with surrounding property.**

6. *Any written and oral comments submitted by members of the public on the proposed use as part of the activities performed pursuant to the citizen participation plan:* **No comments have been received from the public relevant to Site use concerns.**

7. *Environmental justice concerns, which include the extent to which the proposed use may reasonably be expected to cause or increase a disproportionate burden on the community in which the site is located, including low-income minority communities, or to result in a disproportionate concentration of commercial or industrial uses in what has historically been a mixed use or residential community:* **Nearby and adjacent property is currently a mixed-use commercial and residential capacity. Redeveloping the site in a commercial-residential capacity does not pose environmental justice issues.**

8. *Federal or State land use designations:* The property is designated Elmwood Business (EB) by the City of Buffalo (GIS). **Redevelopment is consistent with the current land use designation.**

9. *Population growth patterns and projections:* The City of Buffalo, encompassing 40 square miles, has a population of 276,059 (2006 US Census Bureau), a decrease of 5.7% from 2000 U.S. Census. The population density in the City is 7,206.3 people per square mile. The Site is located in Census Tract 71.02, in the area of the city zoned

for commercial/residential. **The Site is being redeveloped as a commercial and residential project. The redevelopment will increase residential opportunities.**

10. *Accessibility to existing infrastructure:* Access to the Site is from Elmwood Avenue and West Delavan Avenue. Utilities (sewer, water, electric, and gas) are present along the roadways. **Existing infrastructure supports reuse in a mixed commercial-residential capacity**.

11. *Proximity of the site to important cultural resources, including federal or State historic or heritage sites or Native American religious sites*: **No such resources or sites are known to be present on or adjacent to the Site.**

12. *Natural resources, including proximity of the site to important federal, State or local natural resources, including waterways, wildlife refuges, wetlands, or critical habitats of endangered or threatened species:* The Erie County Internet Mapping System shows that State or Federal wetlands do not exist on the subject property. The NYSDEC regulated freshwater wetland (BU-16) is located approximately 0.75-miles southwest of the Site. **The absence of significant ecological resources on or adjacent to the Site indicates that cleanup to restricted use conditions will not pose an ecological threat.**

13. *Potential vulnerability of groundwater to contamination that might emanate from the site, including proximity to wellhead protection and groundwater recharge areas and other areas identified by the Department and the State's comprehensive groundwater remediation and protection program established set forth in ECL article 15 title 31:* Groundwater at the Site is assigned Class "GA" by 6NYCRR Part 701.15. Four (4) groundwater monitoring wells were installed during the RI. Groundwater data obtained during the RI indicates VOCs, including petroleum-related compounds, were detected at concentrations above Class GA GWQS at TMW-1 and TMW-4. No SVOCs or PCBs were reported above the GWQS. Metals detected at concentrations above GWQS are primarily naturally occurring minerals, including iron, magnesium, manganese, and sodium, with the exception of lead which was slight elevated above its GWQS in TMW-1. No

pesticides and herbicides were detected above their respective GWQS with the exception of chlordane, at TMW-2. It should be noted that this results was flagged as an "estimated" values by the laboratory. Removal of petroleum-impacted soil/fill is expected to improve groundwater quality over time

There are no groundwater supply wells present on the Site. Regionally, groundwater in the area has not been developed for industrial, agriculture, or public supply purposes. Potable water service is provided by the local municipal water authority. **The absence of potable wells, wellhead protection and groundwater recharge areas indicates that cleanup to restricted use conditions will not pose a drinking water threat.**

14. *Proximity to flood plains:* There are no State wetlands or floodplains located on Site. The nearest NYSDEC regulated freshwater wetland (BU-3) is located approximately 3 miles to the southwest of the site No flood zones are present on the property; there is no risk of significant soil erosion due to flooding. **As such, cleanup does not pose a threat to surface water.**

15. *Geography and geology:* The Site is situated over the Hamilton Group Formation of the Middle Devonian Series. The Hamilton Group, Skaneateles Formation is comprised of Levanna Shale, and Stratford Limestone combination of Urban Land (Ud) and Niagara Silt Loam (NfA), with 0-3 percent slopes. This is indicative of the level to gently sloping land with at least 40 percent of the soil surface covered by asphalt, concrete, buildings, or other impervious structures typical of an urban environment. Former development activities covered the Site in asphalt, concrete and building foundations. **Geography and geology are consistent with a commercial-residential re-use.**

16. *Current institutional controls applicable to the site:* **No institutional controls are currently present that would affect redevelopment options.**

Based on the above analysis, reuse of the Site in a commercial-residential capacity is consistent with past and current development and zoning on and around the Site, and does not pose additional environmental or human health risk.

7.6 Comparison of Remedial Alternatives

In addition to the evaluation of the alternatives to remediate the Site to the likely end use, NYSDEC regulations and policy calls for evaluation of more restrictive end-use scenarios. These include an Unrestricted Use scenario (considered under 6NYCRR Part 375 to be representative of cleanup to pre-disposal conditions), and a scenario less restrictive than the reasonably anticipated future use. Per NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation, evaluation of a "no action" alternative is also required to provide a baseline for comparison against other alternatives. The alternatives evaluated below in greater detail include:

- Alternative 1 - No Action;
- Alternative 2 – Track 1 Unrestricted Use Cleanup
- Alternative 3 – Track 2 Residential Use Cleanup

7.6.1 Alternative 1 - No Action

Under this alternative, the Site would remain in its current state, with no additional controls in-place.

Overall Protection of Public Health and the Environment – This alternative does not reduce the risk or exposure for human health and the environment. The Site as it currently exists, is not protective of human health and the environment due to the presence of the UST system, and elevated petroleum VOCs in on-Site soil/fill and groundwater; and, the absence of institutional controls to prevent more restrictive forms of future Site use (e.g., unrestricted or residential). Uncontrolled access to the Site could lead to potential exposure to impacted soil or if intrusive work were performed at the Site and workers are unaware or untrained regarding the contaminants. Accordingly, the no action alternative is not protective of public health and does not satisfy any of the RAOs.

Compliance with SCGs – The no action alternative would not make the Site compliant with SCGs. Based on the results of the RI, on-Site constituents detected in the soil/fill and groundwater exceeds the applicable SCOs and GWQS.

Long-Term Effectiveness and Permanence – Based on the findings of the RI, the no further action alternative involves no additional remediation, engineering or institutional controls, and provides no long-term effectiveness toward achieving the soil and/or groundwater RAOs.

Reduction of Toxicity, Mobility, or Volume with Treatment – The no action alternative does nothing to reduce toxicity, mobility, or volume of contamination beyond natural degradation/attenuation, and therefore this alternative is not protective of public health and does not satisfy any of the RAOs.

Short-Term Effectiveness – There would be no short-term adverse impacts and risks to the community, workers, or the environment attributable to implementation of the no action alternative.

Implementation – No technical or administrative implementation issues are associated with this alternative.

Cost – The capital cost of the no action alternative is $0. There would be no capital or long-term operation, maintenance, or monitoring costs associated with the no action alternative.

Community Acceptance – Community acceptance will be evaluated based on comments received from the public in response to a Fact Sheets and other planned Citizen Participation activities. However, it is expected that recent development patterns in the vicinity of the Site would likely make this alternative not acceptable to the community.

7.6.2 Alternative 2 - Residential Use Cleanup (Track 2)

Under this alternative, the Site would be remediated to achieve a Residential Use (Track 2) cleanup, which will include:

- Excavation and removal of the UST system including tanks, vent and fill lines, pumps and infrastructure, including canopy
- Demolition of the existing building, including in-ground hydraulic lifts
- Removal of ASTs and miscellaneous containers (i.e., 55-gallon drums), including contents
- Excavation and off-site disposal/recycling of petroleum impacted soil/fill and soil/fill exceeding Part 375 Residential Use SCOs (RSCOs)
- Collection of post-excavation confirmatory samples
- Management of on-Site excavation waters during intrusive activities
- Provisions for Active Subslab Depressurization (ASD) systems in future buildings, if required.

Based on the historic and RI investigation findings, petroleum impacted soil/fill, was reported at depths ranging from 4 and 13 fbgs, with an average depth of 10 feet (see Figure 5 for approximate excavation limits). Approximately 3,000 CY of impacted soil/fill would require excavation and off-site disposal/biotreatment. An equivalent volume of DER-10 approved backfill would be required to restore the Site to grade.

Overall Protection of Public Health and the Environment – This alternative meets NYSDEC requirements for a Track 2 Residential cleanup and is protective of public health and the environment. The RAOs for the Site would be satisfied through the planned extent of remedial activities, including: removal of UST System, excavation and off-site disposal/biotreatment of petroleum-impacted soil/fill and soil/fill exceeding RSCOs; and provisions for assessment and/or installation of ASD systems in future buildings to mitigate potential vapor intrusion concerns, if necessary.

Compliance with SCGs – The planned remedial activities would need to be performed in accordance with applicable, relevant, and appropriate SCGs. Imported backfill material would need to meet backfill quality criteria per DER-10. Subgrade intrusive activities would necessitate preparation of and adherence to a community air monitoring plan in accordance with Appendices 1A and 1B of DER-10. The planned remedial actions are fully protective of public health and the environment, and achieve all RAOs for the Site.

Long-Term Effectiveness and Permanence – Removal of the UST System and removal of soil/fill exceeding RSCOs would provide for long-term effectiveness and permanence. Potential installation of ASD systems in future buildings would mitigate potential vapor intrusion concerns, if necessary. As such, this alternative will provide long-term effectiveness and permanence.

Reduction of Toxicity, Mobility, or Volume with Treatment – Provisions to assess potential need of ASD System(s) in any new buildings will be based on the outcome of planned IRMs. No treatment is planned as part of this alternative.

Short-Term Effectiveness – The short-term adverse impacts and risks to the community, workers, and environment during implementation of the Residential Use alternative are not considered significant and are controllable.

During intrusive remedial activities air monitoring will be performed to assure conformance with community air monitoring action levels. The potential for chemical exposures and physical injuries are reduced through safe work practices; proper personal protection equipment; environmental monitoring; establishment of work zones and Site control; and appropriate decontamination procedures. The UST System removal and remedial excavations are planned to be completed within 3-4 week timeframe, limiting short-term adverse effects. Planned remedial activities will be performed in accordance with the approved IRM Work Plan, including health and safety plan (HASP) and community air monitoring plan (CAMP). This alternative achieves the RAOs for the Site.

Implementation – No technical or administrative implementation issues are anticipated to be associated with this alternative. Though additional efforts would be required based on the urban setting of the Site related to work scheduling and trucking related issues, compliance with HASP and construction work practices would be manageable.

Cost – The capital cost of implementing a Residential Use (Track 2) alternative is estimated at approximately $630,000 (see Table 6).

Community Acceptance – Community acceptance will be evaluated based on comments to be received from the public in response to Fact Sheets and other planned Citizen Participation activities.

7.6.3 Alternative 3 - Unrestricted Use Cleanup

Under this alternative, the Site would be remediated to Unrestricted Use (Track 1) cleanup, which will include:

- Excavation and removal of the UST system including tanks, vent and fill lines, pumps and infrastructure, including canopy
- Demolition of the existing building, including in-ground hydraulic lifts
- Removal of ASTs and miscellaneous containers (i.e., 55-gallon drums), including contents
- Excavation and off-site disposal/recycling of petroleum impacted soil/fill and soil/fill exceeding Part 375 Unrestricted Use SCOs (USCOs)
- Collection of post-excavation confirmatory samples
- Management of on-Site excavation waters during intrusive activities

An Unrestricted Use alternative would necessitate remediation of on-Site soil/fill that exceeds USCOs (see Tables 2-4). For this alternative, excavation and off-site disposal/biotreatment of impacted soil/fill is generally regarded as the most applicable remedial measure, because institutional controls cannot be used to supplement the remedy.

Exceedances of the USCOs and/or field evidence of impacts were observed to 13 fbgs over the majority of the Site with an average depth of approximately 12 fbgs. In total, approximately 4,200 CY of soil/fill would require excavation and off-site disposal/biotreatment (see Figure 6 for approximate excavation limits). An equivalent volume of DER-10 compliant backfill would be required to restore the Site.

On-Site groundwater impacts are mainly attributable to the presence of the UST System and petroleum-impacted soil/fill. After removal of the UST System and petroleum impacted soil/fill source area, and proper handling and pre-treatment of excavation waters, it is expected that no additional groundwater monitoring would be required.

Overall Protection of Public Health and the Environment – Excavation and off-site disposal to achieve USCOs would be protective of public health under any reuse scenario.

Compliance with SCGs – The Unrestricted Use alternative would be performed in accordance with applicable, relevant, and appropriate SCGs. Imported backfill material would need to meet backfill quality criteria per DER-10. Subgrade intrusive activities would necessitate preparation of and adherence to a community air monitoring plan in accordance with Appendices 1A and 1B of DER-10. The planned remedial actions are fully protective of public health and the environment, and achieve all RAOs for the Site.

Long-Term Effectiveness and Permanence – The Unrestricted Use alternative would achieve removal of all residual impacted soil/fill; therefore, the Unrestricted Use alternative would provide long-term effectiveness and permanence. Post-remedial monitoring and certifications would not be required.

Reduction of Toxicity, Mobility, or Volume with Treatment – Through removal of all impacted soil/fill, the Unrestricted Use alternative would permanently and significantly reduce the toxicity, mobility, and volume of on-Site contamination.

Short-Term Effectiveness – The principal advantage of a large-scale excavation to achieve USCOs is reliability of effectiveness in the long-term. The short-term adverse impacts and risks to the community, workers, and environment during implementation of this alternative are manageable. Site workers would be required to wear personal protective equipment (PPE) during excavation to prevent direct contact with soil/fill. CAMP monitoring and dust control methods would be required to limit the release of particulates during intrusive activities.

This alternative does have adverse short-term impacts, however, the RAOs would be achieved once the soil/fill is removed from the Site and backfill soils are in place (estimated at approximately 4-5 weeks to achieve).

Implementation – Technical or administrative implementation issues are associated with this alternative are manageable. Given the urban setting of the Site, the additional truck

traffic would require additional efforts related to work hour scheduling, noise, odor control, traffic restrictions, truck staging areas, and increased work duration.

Cost – The capital cost of implementing an Unrestricted Use cleanup alternative is estimated at approximately $824,000 (see Table 7).

Community Acceptance – Community acceptance will be evaluated based on comments to be received from the public in response to Fact Sheets and other planned Citizen Participation activities.

7.7 Recommended Remedial Measure

Based on the Remedial Alternatives, as described above, the planned Track 2 Residential Use cleanup fully satisfies RAOs for the Site in accordance with the planned mixed-use commercial and residential redevelopment.

The components and details of the remedial approach are described in the approved IRM section of the work plan. In summary, the Track 2 Residential Use cleanup will involve:

- Excavation and removal of the UST system including tanks, vent and fill lines, pumps and infrastructure, including canopy
- Demolition of the existing building, including in-ground hydraulic lifts
- Removal of ASTs and miscellaneous containers (i.e., 55-gallon drums), including contents
- Excavation and off-site disposal/recycling of petroleum impacted soil/fill and soil/fill exceeding Part 375 Residential Use SCOs (RSCOs)
- Collection of post-excavation confirmatory soil samples
- Management of on-Site excavation waters during intrusive activities
- Provisions for Active Subslab Depressurization (ASD) systems in future buildings, if required

If during remedial efforts it is determined that an unrestricted cleanup is potentially achievable, an evaluation will be completed in consultation with the Department.

8.0 RI/ AAR SUMMARY AND CONCLUSIONS

Based on the data and analyses presented in the preceding sections, we offer the following summary and conclusions:

- Based on the subsurface investigations, field evidence, including visual, olfactory observations of petroleum impacts, and elevated PID readings was detected in 20 of the 27 subsurface investigation locations, primarily located in relation to the UST System.

- Based on the subsurface soil analytical data, petroleum-related VOCs were detected at concentrations above their respective Unrestricted, Residential and/or Commercial Use SCOs. No SVOCs, metals, PCBs, pesticides or herbicides were detected above Unrestricted Use SCOs.

- Based on the RI groundwater data, benzene, MTBE, and lead were detected above their respective GWQS at TMW-1, and several VOCs were detected slightly above their GWQS at TMW-4. One pesticide, chlordane, was detected above its GWQS at TMW-2. It should be noted that chlordane was not detected in on-Site soil. Several naturally-occurring metals were detected above GWQS, including iron, magnesium, manganese, and sodium. No SVOCs, PCBs, or herbicides were detected above GWQS.

- Given the nature and extent of contamination present in on-Site soil/fill and groundwater, and the planned redevelopment of the Site, the Alternatives Evaluation selected Track 2 Residential Use cleanup is fully protective of the public health and environment.

9.0 REFERENCES

1. Empire GeoServices, Inc., *Remedial Action Plan, 905 Elmwood Avenue, Buffalo, New York, NYSDEC Spill No. 0803566,* December 3, 2010.

2. Matrix Environmental Technologies, Inc., *Subsurface Investigation Results, 905 Elmwood Avenue, Buffalo, New York, NYSDEC Spill No. 0803566*, June 23, 2011

3. New York State Department of Environmental Conservation. *DER-10; Technical Guidance for Site Investigation and Remediation.* May 2010.

4. United States Department of Agriculture (USDA), Soil Conservation Service. *Soil Survey of Erie County, New York.* December 1986.

5. Chow, V., Maidment, D., and Mays, L. 1988. Applied Hydrology. McGraw-Hill.

TABLES

TABLE 1

SUMMARY OF REMEDIAL INVESTIGATION SAMPLING AND ANALYSIS PROGRAM

REMEDIAL INVESTIGATION / ALTERNATIVE ANALYSIS REPORT

905 ELMWOOD AVENUE SITE

BUFFALO, NEW YORK

Sample Identifier	Data Source	Depth Sampled/ Screened (fbgs)	Analysis							Date Sampled
			TCL VOCs + CP-51	TCL SVOCs	PCBs	Pesticides	Herbicides	TAL Metals	Total Cyanide	
Subsurface Soil/Fill										
SB-1	Remedial Investigation	7-9			X	X	X	X	X	01/23/2015
SB-2	Remedial Investigation	6-8	X	X	X	X	X	X	X	01/23/2015
SB-3	Remedial Investigation	6-8						X	X	01/23/2015
SB-4	Remedial Investigation	8-10	X	X	X	X	X	X	X	01/23/2015
SB-5	Remedial Investigation	5-7	X	X				X	X	01/23/2015
SB-6	Remedial Investigation	4.5-6.5	X	X	X			X	X	01/23/2015
SB-7	Remedial Investigation	6-8	X	X	X	X	X	X	X	01/23/2015
SB-8	Remedial Investigation	5-7	X	X	X			X	X	01/23/2015
SB-9	Remedial Investigation	4.5-6.5	X	X	X	X	X	X	X	01/23/2015
Groundwater										
TMW-1	Remedial Investigation	--	X	X	X	X	X	X	X	02/09/2015
TMW-2	Remedial Investigation	--	X	X	X	X	X	X	X	02/09/2015
TMW-3	Remedial Investigation	--	X	X	X	X	X	X	X	02/09/2015
TMW-4	Remedial Investigation	--	X	X	X	X	X	X	X	02/09/2015

TABLE 2

SUMMARY OF HISTORIC SUBSURFACE SOIL SAMPLE ANALYTICAL RESULTS

REMEDIAL INVESTIGATION / ALTERNATIVE ANALYSIS REPORT

905 ELMWOOD AVENUE SITE

BUFFALO, NEW YORK

PARAMETER[1]	Unrestricted Use SCOs [2]	Residential Use SCOs [2]	Commercial Use SCOs [2]	Historic Investigations													
				P-1 (6.5-8')	P-3 (6.5-7.2')	P-4 (7-8')	P-6 (7-8')	P-9 (6-7')	P-11 (5.5-7')	P-12 (8.5-9.5')	B101	B102	B103	B104	B105	B106	B107
				11/1/2010							4/21/2011						
Volatile Organic Compounds (VOCs) - mg/Kg [3]																	
1,2,4-Trimethylbenzene	**3.6**	**47**	**190**	**95**	**57**	**110**	**24**	**220**	1.2	**1600**	3.4	**8.7**	**22**	0.83	1.1	3.6	ND
1,3,5-Trimethylbenzene	**8.4**	**47**	**190**	**34**	**20**	**40**	7.7	**65**	0.39	**550**	1.2	3.1	6.9	0.34	0.23	1.1	ND
Benzene	**0.06**	**2.9**	**44**	**2**	**0.14**	**1.8**	**0.26**	**0.56**	**0.4**	**45**	ND	**0.078**	**0.93**	0.048	ND	**0.18**	ND
Ethylbenzene	**1**	**30**	**390**	**35**	**14**	**39**	**5.8**	**33**	0.49	**380**	**1.1**	**1.9**	**6.7**	0.27	0.071	0.66	ND
Isopropylbenzene (Cumene)	**--**	**--**	**--**	3	1.6	3.9	0.82	6.2	0.043	43	0.2	0.52	0.74	0.12	0.2	0.2	ND
Methyl tert butyl ether (MTBE)	**0.93**	**62**	**500**	ND	0.26	0.1	0.19	ND	0.18	ND	ND	ND	0.095	0.009	ND	0.052	ND
n-Butylbenzene	**12**	**100**	**500**	ND	ND	ND	ND	**20**	ND	ND	0.32	1.2	1.2	0.1	0.81	0.95	ND
n-Propylbenzene	**3.9**	**100**	**500**	**12**	**6.1**	**15**	3.4	**25**	0.14	**150**	0.82	2.3	3.1	0.41	1	0.73	ND
p-Cymene (p-isopropyltoluene)	**--**	**--**	**--**	0.44	0.27	0.5	0.17	1.8	ND	13	ND	0.2	0.2	0.016	0.19	0.38	ND
sec-Butylbenzene	**11**	**100**	**500**	1	0.6	1.3	0.35	3.4	ND	ND	0.12	0.37	0.36	0.042	0.82	0.33	ND
tert-Butylbenzene	**5.9**	**100**	**500**	ND	ND	ND	ND	0.15	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	**0.7**	**100**	**500**	**61**	**16**	**42**	**2.1**	**9.5**	**1.4**	**39**	0.08	0.07	**1.6**	0.003	ND	ND	ND
Total Xylenes	**0.26**	**100**	**500**	**240**	**100**	**230**	**40**	**240**	**3.6**	**3300**	**4.9**	**2.09**	**35.3**	**0.617**	ND	**0.84**	ND

Notes:

1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. Values per NYSDEC Part 375 Soil Cleanup Objectives (SCOs).

Definitions:

ND = Parameter not detected above laboratory detection limit.
"--" = No value available for the parameter; Parameter not analysed for.

Bold	= Result exceeds Unrestricted Use SCOs.
Bold	= Result exceeds Residential Use SCOs.
Bold	= Result exceeds Commercial Use SCOs.

TABLE 3

SUMMARY OF REMEDIAL INVESTIGATION SUBSURFACE SOIL SAMPLE ANALYTICAL RESULTS

REMEDIAL INVESTIGATION / ALTERNATIVE ANALYSIS REPORT

905 ELMWOOD AVENUE SITE

BUFFALO, NEW YORK

PARAMETER[1]	Unrestricted Use SCOs [2]	Residential Use SCOs [2]	Commercial Use SCOs [2]	SB-1 (7-9')	SB-2 (6-8')	SB-3 (6-8')	SB-4 (8-10')	SB-5 (5-7')	SB-6 (4.5-6.5')	SB-7 (6-8')	SB-8 (5-7')	SB-9 (4.5-6.5')
				1/23/2015								
Volatile Organic Compounds (VOCs) - mg/Kg [3]												
1,1-Dichloroethane	**0.33**	**19**	**240**	--	ND	--	ND	0.00061 J	ND	ND	ND	ND
1,2,4-Trimethylbenzene	**3.6**	**47**	**190**	--	ND	--	0.0016 J	0.00076 J	**120**	ND	ND	ND
1,3,5-Trimethylbenzene	**8.4**	**47**	**190**	--	ND	--	ND	ND	**36**	ND	ND	ND
1,3-Dichlorobenzene	**2.4**	**17**	**280**	--	ND	--	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	**0.12**	**100**	**500**	--	0.0031 J	--	0.012 U	ND	ND	ND	0.0025 U	0.0034 U
Acetone	**0.05**	**100**	**500**	--	0.0073 J	--	0.012 U	0.012 J	**8.6 J**	0.02 U	0.006 U	0.0096 U
Benzene	**0.06**	**2.9**	**44**	--	ND	--	ND	0.0018	**1.8**	ND	ND	0.00059 J
Chlorobenzene	**1.1**	**100**	**500**	--	ND	--	ND	ND	ND	ND	ND	ND
Cyclohexane	--	--	--	--	ND	--	0.0057 NJ	0.0042 J	ND	ND	ND	ND
Ethylbenzene	**1**	**30**	**390**	--	ND	--	0.002	ND	**31**	ND	ND	ND
Isopropylbenzene (Cumene)	--	--	--	--	ND	--	0.0025 J	ND	3.7	0.00052 J	ND	ND
Methyl tert butyl ether (MTBE)	**0.93**	**62**	**500**	--	ND	--	ND	0.016	ND	ND	ND	ND
Methylcyclohexane	--	--	--	--	ND	--	0.0054	0.0036 J	8.4	0.00045 J	ND	ND
n-Butylbenzene	**12**	**100**	**500**	--	ND	--	ND	0.00064 J	ND	0.00024 J	ND	ND
n-Propylbenzene	**3.9**	**100**	**500**	--	ND	--	0.00049 J	ND	1.6 J	0.00055 J	ND	ND
p-Isopropyltoluene	--	--	--	--	ND	--	ND	ND	0.98 J	ND	ND	ND
sec-Butylbenzene	**11**	**100**	**500**	--	ND	--	0.00027 J	0.00046 J	ND	0.0022	ND	ND
Toluene	**0.7**	**100**	**500**	--	ND	--	ND	ND	**41**	ND	ND	0.0014 J
Total Xylenes	**0.26**	**100**	**500**	--	ND	--	0.00221 J	ND	**213**	ND	ND	0.00053 J
Semi-Volatile Organic Compounds (SVOCs) - mg/Kg [3]												
2-Methylnaphthalene	--	--	--	--	ND	--	ND	ND	5.9	ND	ND	ND
3-Methylphenol/4-Methylphenol	--	--	--	--	ND	--	ND	ND	0.088 J	ND	ND	ND
Biphenyl	--	--	--	--	ND	--	ND	ND	0.074 J	ND	ND	ND
Bis(2-ethylhexyl) phthalate	--	--	--	--	ND	--	ND	ND	0.22	ND	ND	ND
Naphthalene	**12**	**100**	**500**	--	ND	--	ND	ND	5 J	ND	ND	ND
Phenanthrene	**100**	**100**	**500**	--	ND	--	ND	ND	0.072 J	ND	ND	ND
Metals - mg/Kg [3]												
Aluminum	--	--	--	5600	5100	4200	5300 J	6300	6300	5200	6400	6600
Antimony	--	--	--	2.6 J	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	**13**	**16**	**16**	2.2	2.1	2.2	2.5	2.7	2.8	3.1	3.3	2.4
Barium	**350**	**350**	**400**	58	42	40	54 J	58	57	47	56	64
Beryllium	**7.2**	**14**	**590**	0.22 J	0.21 J	0.18 J	0.19 J	0.26 J	0.26 J	0.19 J	0.25 J	0.26 J
Cadmium	**2.5**	**2.5**	**9.3**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Calcium	--	--	--	60000	65000	71000	62000 J	58000	61000	58000	6300	64000
Chromium	**30**	**36**	**1500**	9	8.6	7.3	8.7	9.9	10	7.8	9.9	10
Cobalt	--	--	--	4.1	3.9	3	4	4.4	5.2	3.7	4.6	4.6
Copper	**50**	**270**	**270**	11	11	10	12	12	15	9.9	14	12
Iron	--	--	--	11000	9900	8400	11000 J	11000	12000	10000	13000	12000
Lead	**63**	**400**	**1000**	7	6.4	5.6	5.4	7.9	15	7.4	7.8	8.3
Magnesium	--	--	--	21000	27000	30000	23000 J	20000	22000	21000	22000	22000
Manganese	**1600**	**2000**	**10000**	340	290	300	310 J	340	380	300	390	360
Mercury	**0.18**	**0.81**	**2.8**	ND	ND	0.02 J	0.03 J	0.02 J	ND	ND	ND	ND
Nickel	**30**	**140**	**310**	8.6	8.2	7	8	9	10	7.5	10	10
Potassium	--	--	--	1200	1100	960	1100	1100	1100	1200	1200	1400
Selenium	**3.9**	**36**	**1500**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	**2**	**36**	**1500**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	--	--	--	220	170	240	220	270	210	180	180	200
Vanadium	--	--	--	15	14	12	15	17	18	13	18	17
Zinc	**109**	**2200**	**10000**	63	64	57	63	58	73	65	59	65
Cyanide - Total	**27**	**27**	**27**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Polychlorinated biphenyls (PCBs) - mg/Kg [3]												
Total PCBs	**0.1**	**1**	**1**	ND	ND	--	ND	--	ND	ND	ND	ND
Pesticides and Herbicides - mg/Kg [3]												
Total Pesticides and Herbicides	--	--	--	ND	ND	--	ND	--	--	ND	ND	--

Notes:

1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. Values per NYSDEC Part 375 Soil Cleanup Objectives (SCOs).
3. Sample results were reported by the laboratory in ug/kg and converted to mg/kg for comparisons to SCOs.

Definitions:

ND = Parameter not detected above laboratory detection limit.
"--" = No value available for the parameter; Parameter not analysed for.
J = Estimated value; result is less than the sample quantitation limit but greater than zero.
B= Compound was found in the blank and sample.

Bold	= Result exceeds Unrestricted Use SCOs.
Bold	= Result exceeds Residential Use SCOs.
Bold	= Result exceeds Commercial Use SCOs.

TABLE 4

SUMMARY OF REMEDIAL INVESTIGATION GROUNDWATER ANALYTICAL RESUTLS

905 ELMWOOD AVENUE SITE

BUFFALO, NEW YORK

Parameters [1]	Class GA GWQS[2]	Sample Location			
		TMW-1	TMW-2	TMW-3	TMW-4
		2/9/15			
Volatile Organic Compounds (VOCs) - ug/L					
2-Butanone	**50**	ND	ND	ND	21
2-Hexanone	**50**	ND	ND	ND	3.3 U
Acetone	**50**	ND	4 J	4.8 J	**84**
Benzene	**1**	**7.9**	ND	ND	ND
Carbon disulfide	**--**	ND	2.4 J	6.2	11
Cyclohexane	**--**	16 J	ND	ND	ND
Isopropylbenzene	**5**	ND	ND	ND	**5.6 J**
Methyl tert butyl ether (MTBE)	**10**	**260**	5.1	ND	ND
Methylcyclohexane	**--**	6.2 J	ND	ND	ND
n-Butylbenzene	**5**	ND	ND	ND	1.1 J
n-Propylbenzene	**5**	ND	ND	ND	**8.1**
Xylene, Total	**5**	3.4 J	ND	ND	0.7 J
sec-Butylbenzene	**5**	ND	ND	ND	**9.5**
Tetrachloroethene	**5**	ND	ND	0.22 J	0.4 J
Semivolatile Organic Compounds (SVOCs) - ug/L					
2-Methylnaphthalene	**--**	0.47	ND	ND	0.62
Acenaphthene	**20**	0.07 J	ND	ND	0.14 J
Biphenyl	**--**	ND	ND	ND	0.57 J
Bis(2-ethylhexyl) phthalate	**5**	2.4 J	ND	ND	ND
Fluoranthene	**50**	ND	ND	ND	0.06 J
Fluorene	**50**	ND	ND	ND	0.54
Phenanthrene	**50**	0.08 J	ND	0.84	1.5
Polychlorinated Biphenyls - ug/L					
Total PCBs	**0.09**	ND	ND	ND	ND
Total Metals - ug/L [3]					
Aluminum	--	13,000	2,630	3,540	1,230
Antimony	**3**	0.57 J	2	0.34 J	0.73 J
Arsenic	**25**	8	2.64 J	3	2
Barium	**1000**	305	70.47 J	90	40
Beryllium	**--**	1	ND	0.17 J	ND
Cadmium	**5**	0	ND	0.12 J	ND
Calcium	**--**	211,000	88,900	129,000	82,500
Chromium	**50**	22	5	6	3
Cobalt	**--**	11	3	5	6
Copper	**200**	30	7	9	3
Iron	**300**	**20,100**	**4,590**	**6,220**	**1,870**
Lead	**25**	**28**	5	8	2
Magnesium	**35000**	**102,000**	**43,400**	**48,100**	**44,400**
Manganese	**300**	**852**	248	260	**411**
Mercury	**0.7**	ND	ND	ND	ND
Nickel	**100**	24	7	12	10
Potassium	**--**	5,550	2,250	2,580	2,160
Selenium	**10**	2.14 J	ND	2.91 J	ND
Silver	**50**	0.18 J	ND	ND	ND
Sodium	**20000**	**160,000**	17,100	**38,400**	**41,900**
Thallium	**0.5**	0.2 J	0.06 J	0.06 J	ND
Vanadium	**--**	24	5	8	3.07 J
Zinc	**2000**	155	40	50	20
Total Cyanide	**200**	2	ND	2	ND
Pesticides and Herbicides - ug/L					
4,4'-DDD	**0.3**	ND	0.012 NJ	ND	ND
Chlordane	**0.05**	ND	**1.21 NJ**	ND	ND
cis-Chlordane	**--**	ND	0.023 P	ND	ND
Heptachlor	**0.04**	0.013 J	0.04	ND	ND
trans-Chlordane	**--**	ND	0.096	ND	ND

Notes:

1. Only parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. Values per NYSDEC TOGS 1.1.1 Class GA Groundwater Quality Standards.
3. Sample results were reported by the laboratory in mg/L and converted to ug/L for comparisons to GWQSs

Qualifiers:

ND = Parameter not detected above laboratory detection limit.
"--" = Sample not analyzed for parameter or no GWQS available for the parameter.
J = Estimated Value - Below calibration range
P= The dual column RPD's are above the acceptance criteria, the lower of the two results is reported.

BOLD = Result exceeds GWQS.

TABLE 5

STANDARDS, CRITERIA, AND GUIDANCE (SCGs)

905 ELMWOOD AVENUE SITE

BUFFALO, NEW YORK

Citation	Title	Regulatory Agency
General		
29 CFR 1910.120	Hazardous Waste Operations and Emergency Response	US Dept. of Labor, OSHA
29 CFR 1910.1000	OSHA General Industry Air Contaminants Standard	US Dept. of Labor, OSHA
29 CFR 1926	Safety and Health Regulations for Construction	US Dept. of Labor, OSHA
Not Applicable	Analytical Services Protocol	NYSDEC
6NYCRR Part 608	Use and Protection of Waters	NYSDEC
6NYCRR Part 621	Uniform Procedures Regulations	NYSDEC
6NYCRR Parts 750-757	State Pollutant Discharge Elimination System	NYSDEC
Section 404	Clean Water Act	USACE
Soil		
6NYCRR Part 375	Environmental Remediation Programs	NYSDEC
DEC Policy CP-51	Soil Cleanup Guidance	NYSDEC
Groundwater		
6NYCRR Part 700-705	Surface Water and Ground Water Classification Standards	NYSDEC
TOGS 1.1.1	Ambient Water Quality Standards and Guidance Values	NYSDEC
TOGS 2.1.3	Primary and Principal Aquifer	NYSDEC
Air		
Air Guide No. 1	Guidelines for the Control of Toxic Ambient Air Contaminants	NYSDEC
DER-10 Appendix 1B	Fugitive Dust Suppression and Particulate Monitoring Program at Inactive Hazardous Waste Sites	NYSDEC
NYSDOH, October 2006	Final - Guidance for Evaluating Soil Vapor Intrusion in the State of New York	NYSDOH
Solid Waste		
6NYCRR 360	Solid Waste Management Facilities	NYSDEC
6NYCRR 364	Waste Transporters	NYSDEC

TABLE 6

COST ESTIMATE FOR RESIDENTIAL USE (TRACK 2) ALTERNATIVE

905 ELMWOOD AVENUE SITE

BUFFALO, NEW YORK

Item	Quantity	Units	Unit Cost	Total Cost
Removal of Petroleum UST System				
System Prep, Excavation and Removal	3	DY	$ 2,500.00	$ 7,500
UST Cleaning and Decommissioning	2	DY	$ 2,000.00	$ 4,000
UST Cleaning Residuals Disposal	1	LS	$ 5,000.00	$ 5,000
Subtotal:				**$ 16,500**
Impacted Soil/Fill Removal				
Soil/Fill Excavation, Loading & Hauling	3000	CY	$ 25.00	$ 75,000
Disposal at TSDF (1.6 tons per CY)	4800	TON	$ 32.00	$ 153,600
Waste Characterization Analytical	6	EA	$ 600.00	$ 3,600
Post-Excavation Confirmatory Sampling	25	EA	$ 400.00	$ 10,000
Subtotal:				**$ 242,200**
Backfill Excavation with Off-Site Soil/Fill				
Purchase, Haul, Place & Compact	3250	CY	$ 30.00	$ 97,500
Backfill Characterization and Sampling	14	EA	$ 750.00	$ 10,500
Subtotal:				**$ 108,000**
Excavation Water Handling and Treatment				
Frac tanks, Filtration and GAC System	1	LS	$ 15,000.00	$ 15,000
Temporary Discharge Application and Permit, Fee	1	LS	$ 1,500.00	$ 1,500
Excavation Water Analytical Sampling	2	EA	$ 600.00	$ 1,200
Subtotal:				**$ 17,700**
Demolition				
Demolition of Building and Canopy	1	LS	$ 50,000.00	$ 50,000
Subtotal:				**$ 50,000**
Subtotal Capital Cost				**$ 434,400**
Contractor Mobilization/Demobilization (5%)				$ 21,720
Odor Control (2%)				$ 8,688
Health and Safety (3%)				$ 13,032
Engineering/Contingency (35%)				$ 152,040
Total Cost				**$ 630,000**

TABLE 7

COST ESTIMATE FOR UNRESTRICTED USE (TRACK 1) ALTERNATIVE

905 ELMWOOD AVENUE SITE

BUFFALO, NEW YORK

Item	Quantity	Units	Unit Cost	Total Cost
Removal of Petroleum UST System				
System Prep, Excavation and Removal	3	DY	$ 2,500.00	$ 7,500
UST Cleaning and Decommissioning	2	DY	$ 2,000.00	$ 4,000
UST Cleaning Residuals Disposal	1	LS	$ 5,000.00	$ 5,000
Subtotal:				**$ 16,500**
Impacted Soil/Fill Removal				
Soil/Fill Excavation, Loading & Hauling	4200	CY	$ 25.00	$ 105,000
Disposal at TSDF (1.6 tons per CY)	6720	TON	$ 32.00	$ 215,040
Waste Characterization Analytical	8	EA	$ 600.00	$ 4,800
Post-Excavation Confirmatory Sampling	32	EA	$ 400.00	$ 12,800
Subtotal:				**$ 337,640**
Backfill Excavation with Approved Import Material				
Purchase, Haul, Place & Compact	4500	CY	$ 30.00	$ 135,000
Backfill Characterization and Sampling	15	EA	$ 750.00	$ 11,250
Subtotal:				**$ 146,250**
Excavation Water Handling and Treatment				
Frac tanks, Filtration and GAC System	1	LS	$ 15,000.00	$ 15,000
Temporary Discharge Application Permit, Fee	1	LS	$ 1,500.00	$ 1,500
Excavation Water Analytical Sampling	2	EA	$ 600.00	$ 1,200
Subtotal:				**$ 17,700**
Demolition				
Demolition of Building and Canopy	1	LS	$ 50,000.00	$ 50,000
Subtotal:				**$ 50,000**
Subtotal Capital Cost				**$ 568,090**
Contractor Mobilization/Demobilization (5%)				$ 28,405
Odor Control (2%)				$ 11,362
Health and Safety (3%)				$ 17,043
Engineering/Contingency (35%)				$ 198,832
Total Cost				**$ 824,000**

FIGURES

F:\CAD\TurnKey\Ellicott Development\905 Elmwood\RI-IRM-AA REPORT\Figure 1; Site Location and Vicinity Map.dwg

FIGURE 1

TURNKEY ENVIRONMENTAL RESTORATION, LLC

2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0635

PROJECT NO.: 0136-014-002

DATE: MARCH 2015

DRAFTED BY: BLR

SITE LOCATION AND VICINITY MAP

RI-AA REPORT

905 ELMWOOD AVENUE SITE

BUFFALO, NEW YORK

PREPARED FOR

ELMWOOD VILLAGE PROPERTIES, LLC

DISCLAIMER:
PROPERTY OF TURNKEY ENV. REST., LLC. IMPORTANT: THIS DRAWING PRINT IS LOANED FOR MUTUAL ASSISTANCE AND AS SUCH IS SUBJECT TO RECALL AT ANY TIME. INFORMATION CONTAINED HEREON IS NOT TO BE DISCLOSED OR REPRODUCED IN ANY FORM FOR THE BENEFIT OF PARTIES OTHER THAN NECESSARY SUBCONTRACTORS & SUPPLIERS WITHOUT THE WRITTEN CONSENT OF TURNKEY ENV. REST., LLC.

F:\CAD\TurnKey\Ellicott Development\905 Elmwood\RI-IRM-AA REPORT\Figure 2; Site Plan.dwg

TURNKEY ENVIRONMENTAL RESTORATION, LLC

2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0635

PROJECT NO.: 0136-014-002

DATE: MARCH 2015

DRAFTED BY: BLR

SITE PLAN (AERIAL)

RI-AA REPORT

905 ELMWOOD AVENUE SITE

BUFFALO, NEW YORK

PREPARED FOR

ELMWOOD VILLAGE PROPERTIES, LLC

FIGURE 2

DISCLAIMER:
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F:\CAD\TurnKey\Ellicott Development\905 Elmwood\RI-IRM-AA REPORT\Figure 3; RI Sample Locations.dwg

DATE: MARCH 2015
DRAFTED BY: BLR

2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0635

TURNKEY ENVIRONMENTAL RESTORATION, LLC

JOB NO.: 0136-014-002

REMEDIAL INVESTIGATION SAMPLE LOCATIONS

RI-AA REPORT
905 ELMWOOD AVENUE SITE
BUFFALO, NEW YORK
PREPARED FOR
ELMWOOD VILLAGE PROPERTIES, LLC

FIGURE 3

DISCLAIMER:
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F:\CAD\TurnKey\Ellicott Development\905 Elmwood\RI-IRM-AA REPORT\Figure 4; Groundwater Isopotential Map.dwg

LEGEND:

- BCP BOUNDARY
- PARCEL BOUNDARY
- SB-6 RI SOIL BORING LOCATION
- SB-1/TMW-1 RI MONITORING WELL LOCATION (GROUNDWATER ELEVATION)
- EXISTING BUILDING
- EXISTING USTs
- FENCE
- P-12 HISTORIC BORING LOCATION (BY OTHER-EMPIRE)
- B103 HISTORIC BORING LOCATION (BY OTHER-METI)
- SB110 OFF-SITE BORING LOCATION (BY OTHER-METI FEB 2015)
- SB111/MW-B OFF-SITE MONITORING WELL LOCATION (BY OTHER-METI FEB 2015)
- 491 GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION

N

20' 0' 20' 40'

SCALE: 1 INCH = 20 FEET
SCALE IN FEET
(approximate)

DATE: MARCH 2015
DRAFTED BY: BLR

2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0635

TURNKEY ENVIRONMENTAL RESTORATION, LLC

JOB NO.: 0136-014-002

GROUNDWATER ISOPOTENTIAL MAP

RI-AA REPORT
905 ELMWOOD AVENUE SITE
BUFFALO, NEW YORK
PREPARED FOR
ELMWOOD VILLAGE PROPERTIES, LLC

FIGURE 4

DISCLAIMER:
PROPERTY OF TURNKEY ENVIRONMENTAL RESTORATION, LLC. IMPORTANT: THIS DRAWING PRINT IS LOANED FOR MUTUAL ASSISTANCE AND AS SUCH IS SUBJECT TO RECALL AT ANY TIME. INFORMATION CONTAINED HEREON IS NOT TO BE DISCLOSED OR REPRODUCED IN ANY FORM FOR THE BENEFIT OF PARTIES OTHER THAN NECESSARY SUBCONTRACTORS & SUPPLIERS WITHOUT THE WRITTEN CONSENT OF TURNKEY ENVIRONMENTAL RESTORATION, LLC.

F:\CAD\TurnKey\Ellicott Development\905 Elmwood\RI-RIM-AA REPORT\Figure 5, Alternative 2 Residential Use Cleanup (Track 2).dwg

LEGEND:

- BCP BOUNDARY
- PARCEL BOUNDARY
- SB-6 RI SOIL BORING LOCATION
- SB-1/TMW-1 RI MONITORING WELL LOCATION
- EXISTING STRUCTURE TO BE DEMOLISHED
- EXISTING USTs TO BE REMOVED
- FENCE
- P-12 HISTORIC BORING LOCATION (BY OTHER-EMPIRE)
- B103 HISTORIC BORING LOCATION (BY OTHER-METI)
- SB110 OFF-SITE BORING LOCATION (BY OTHER-METI FEB 2015)
- SB111/MW-B OFF-SITE MONITORING WELL LOCATION (BY OTHER-METI FEB 2015)
- APPROXIMATE EXCAVATION LIMITS

DATE: MARCH 2015
DRAFTED BY: BLR

2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0635

TURNKEY ENVIRONMENTAL RESTORATION, LLC

JOB NO.: 0136-014-002

ALTERNATIVE 2-RESIDENTIAL USE CLEANUP (TRACK 2)

RI-AA REPORT
905 ELMWOOD AVENUE SITE
BUFFALO, NEW YORK
PREPARED FOR
ELMWOOD VILLAGE PROPERTIES, LLC

FIGURE 5

DISCLAIMER:
PROPERTY OF TURNKEY ENVIRONMENTAL RESTORATION, LLC. IMPORTANT: THIS DRAWING PRINT IS LOANED FOR MUTUAL ASSISTANCE AND AS SUCH IS SUBJECT TO RECALL AT ANY TIME. INFORMATION CONTAINED HEREON IS NOT TO BE DISCLOSED OR REPRODUCED IN ANY FORM FOR THE BENEFIT OF PARTIES OTHER THAN NECESSARY SUBCONTRACTORS & SUPPLIERS WITHOUT THE WRITTEN CONSENT OF TURNKEY ENVIRONMENTAL RESTORATION, LLC.

F:\CAD\TurnKey\Elliott Development\905 Elmwood\RI-RIM-AA REPORT\Figure 6; Alternative 3 Unrestricted Use Cleanup (Track 1).dwg

DATE: MARCH 2015
DRAFTED BY: BLR

2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0635

TURNKEY ENVIRONMENTAL RESTORATION, LLC

JOB NO.: 0136-014-002

ALTERNATIVE 3-UNRESTRICTIED USE CLEANUP (TRACK 1)

RI-AA REPORT
905 ELMWOOD AVENUE SITE
BUFFALO, NEW YORK
PREPARED FOR
ELMWOOD VILLAGE PROPERTIES, LLC

FIGURE 6

DISCLAIMER:
PROPERTY OF TURNKEY ENVIRONMENTAL RESTORATION, LLC. IMPORTANT: THIS DRAWING PRINT IS LOANED FOR MUTUAL ASSISTANCE AND AS SUCH IS SUBJECT TO RECALL AT ANY TIME. INFORMATION CONTAINED HEREON IS NOT TO BE DISCLOSED OR REPRODUCED IN ANY FORM FOR THE BENEFIT OF PARTIES OTHER THAN NECESSARY SUBCONTRACTORS & SUPPLIERS WITHOUT THE WRITTEN CONSENT OF TURNKEY ENVIRONMENTAL RESTORATION, LLC.

APPENDIX A

PROJECT PHOTOLOG

SITE PHOTOGRAPHS

Photo 1:

Photo 2:

Photo 3:

Photo 4:

Photo 1: Advancement of SB-6 (looking south).

Photo 2: Advancement of SB-1 (looking southeast).

Photo 3: Advancement of SB-5 (looking east)

Photo 4: Advancement of SB-3 (looking west).

SITE PHOTOGRAPHS

Photo 5:

Photo 6:

Photo 7:

Photo 8:

Photo 5: Installation of TMW-1 (looking southwest).

Photo 6: Installation of TMW-2 (looking north).

Photo 7: Installation of TMW-3 (looking east)

Photo 8: Installation of TMW-4 (looking east).

APPENDIX B

FIELD BOREHOLE LOGS

Project No: 0136-014-002

Borehole Number: SB-1

Project: 905 Elmwood Avenue Remedial Investigation

A.K.A.: TMW-1

Client: Elmwood Village Properties, LLC.

Logged By: TAB

Site Location: Buffalo NY

Checked By: BCH

TurnKey Environmental Restoration, LLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0635

SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol	PID VOCs ppm (0 – 12.5 – 25)	Lab Sample	Well Completion Details or Remarks
0.0	0.0	Ground Surface							
	0.0 / -0.4 / 0.4	***Asphalt*** Asphalt.							
		Lean Clay with Sand Brown, moist, mostly medium plastic fines, little fine sand, stiff, massive, medium toughness, medium dry strength.	C1	NA	3.1		0.0, 0.0		
	-4.0 / 4.0	As above, wet (6.0 fbgs).							
5.0			C2	NA	4.0		0.0, 0.0		
	-7.0 / 7.0	***Sandy Lean Clay*** Reddish brown, wet, mostly, medium plasticity fines, some fine sand, few fine gravel (sub-rounded), massive, stiff, medium toughness, medium dry strength, slight petroleum like odor.	C3	NA	4.0		1.0	Sample location.	
	-9.0 / 9.0	As above.							
10.0	-10.5 / 10.5		C4	NA	3.0		0.0		
	-11.0 / 11.0	***Silty Sand*** Reddish brown, wet, mostly fine sand, some non-plastic fines, few fine gravel, dense, rapid diatency	C5	NA	1.0		0.0		
		Sandy Lean Clay As above, 7.0 to 9.0 fbgs.							
	-14.5 / 14.5	Equipment refusal at 12.0 fbgs. During well install driller augered to 15.0 fbgs.							
15.0	-15.0 / 15.0	End of Borehole							

Drilled By: Russo Development, Inc.
Drill Rig Type: AMS Power Probe.
Drill Method: Direct push w/4-foot macrocore.
Comments:
Drill Date(s): 1/22/15

Hole Size: 8 1/4-inch
Stick-up: NA
Datum: Mean sea level

Sheet: 1 of 1

Project No: 0136-014-002

Borehole Number: SB-2

Project: 905 Elmwood Avenue Remedial Investigation

A.K.A.: TMW-2

Client: Elmwood Village Properties, LLC.

Logged By: TAB

Site Location: Buffalo NY

Checked By: BCH

TurnKey Environmental Restoration, LLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0635

SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol	PID VOCs (ppm, 0–250–500)	Lab Sample	Well Completion Details or Remarks
0.0	0.0	Ground Surface							
	0.0 / -0.3 / 0.3	***Asphalt*** Asphalt							
		Sandy Lean Clay with Fill Brown/Reddish brown/black, moist, mostly, medium plastic fines, some fine sand, very stiff, concrete chips, massive, medium toughness, medium dry strength.	C1	NA	2.0		0.0; 0.0		
	-4.0 / 4.0	***Sandy Lean Clay*** Reddish brown, moist, mostly medium plastic fines, some fine sand, trace fine gravel (sub-rounded) ,stiff, massive, medium toughness, medium dry strength.	C2	NA	3.0		0.0		
5.0	-6.0 / 6.0	As above, wet, (6.0 fbgs), few fine gravel (sub-rounded).	C3	NA	1.7		0.0	Sample location.	
	-8.0 / 8.0	As above.	C4	NA	4.0		0.0		
10.0	-10.0 / 10.0	As above.							
	-11.0 / 11.0	***Silty Sand*** Grey, wet, mostly fine sand, some non-plastic fines, few fine gravel (sub-rounded), slow dilatency.	C5	NA	3.3		0.0		
	-11.5 / 11.5								
	-12.0 / 12.0	Macro-core refusal at 12.0 fbgs.							
		End of Borehole							

Drilled By: Russo Development, Inc.
Drill Rig Type: AMS Power Probe.
Drill Method: Direct push 4-foot macro-core.
Comments:
Drill Date(s): 1/22/15

Hole Size: 3-inch
Stick-up: NA
Datum: Mean sea level.

Sheet: 1 of 1

Project No: 0136-014-002

Borehole Number: SB-3

Project: 905 Elmwood Avenue Remedial Investigation

A.K.A.:

Client: Elmwood Village Properties, LLC.

Logged By: TAB

Site Location: Buffalo NY

Checked By: BCH

TurnKey Environmental Restoration, LLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0635

SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol	PID VOCs (ppm, 0–250–500)	Lab Sample	Well Completion Details or Remarks
0.0	0.0	Ground Surface							
	0.0	***Concrete*** Concrete							
	-1.0 / 1.0	***Lean Clay*** Brown/Reddish brown, moist, mostly, medium plastic fines, few fine sand, stiff, massive, medium toughness, medium dry strength.	C1	NA	1.6		0.1; 0.3		
	-4.0 / 4.0	***Sandy Lean Clay*** Reddish brown, moist to wet (5.0 fbgs), mostly medium to low plasticity fines, some fine sand ,stiff, massive, medium toughness, medium dry strength, strong petroleum like odor.					34		*First water, 5.0 fbgs.*
5.0									
	-6.0 / 6.0	As above, few fine gravel (sub-rounded).	C2	NA	4.0		325	Sample location.	
	-8.0 / 8.0	As above.							
10.0			C3	NA	3.5		125		
	-11.0 / 11.0	Macro-core refusal at 11.5 fbgs.							
	-11.5 / 11.5	End of Borehole							

Drilled By: Russo Development, Inc.
Drill Rig Type: AMS Power Probe.
Drill Method: Direct push w/ 4-foot macro-core.
Comments:
Drill Date(s): 1/22/15

Hole Size: 3-inch
Stick-up: NA
Datum: Mean sea level.

Sheet: 1 of 1

Project No: 0136-014-002

Borehole Number: SB-4

Project: 905 Elmwood Avenue Remedial Investigation

A.K.A.:

Client: Elmwood Village Properties, LLC.

Logged By: TAB

Site Location: Buffalo NY

Checked By: BCH

TurnKey Environmental Restoration, LLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0635

SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol	PID VOCs (ppm)	Lab Sample	Well Completion Details or Remarks
0.0	0.0	Ground Surface							
	0.0 / -1.0	***Concrete*** Concrete.					0.0		
	1.0 / -4.0	***Lean Clay*** Brown/Reddish brown, moist, mostly, medium plastic fines, few fine sand, trace fine gravel, very stiff, massive, medium toughness, medium dry strength.	C1	NA	2.0		0.8		
5.0	4.0 / -6.0	***Lean Clay with Sand*** Brown, moist to wet (5.0 fbgs), mostly medium plastic fines, little fine sand, stiff, massive, medium toughness, medium dry strength, slight strong petro odor.					2.3		First water, 5.0 fbgs.
	6.0 / -8.0	***Fill with Lean Clay and Sand.*** Brown/Black, wet, mostly orange brick fragments, little medium plastic fines, few fine sand, stiff, medium dry strength, medium toughness, strong petroleum odor, sheening observed.	C2	NA	1.6		397		
10.0	8.0 / -11.5	***Sandy Lean Clay*** Reddish brown, wet, mostly low plasticity fines, some fine sand, few fine gravel (sub-rounded), stiff, massive, medium toughness, medium dry strength, slight petroleum-like odor.	C3	NA	4.0		6.7 / 0.9	Sample location.	
	11.5 / -13.0	As above.	C4	NA	0.5		0.1		
	13.0 / -13.5	Macro-core refusal at 13.5 fbgs.							
15.0	13.5	End of Borehole							

Drilled By: Russo Development, Inc.
Drill Rig Type: AMS Power Probe.
Drill Method: Direct push w/ 4-foot macro-core.
Comments:
Drill Date(s): 1/22/15

Hole Size: 3-inch
Stick-up: Mean sea level.
Datum:

Sheet: 1 of 1

Project No: 0136-014-002

Borehole Number: SB-5

Project: 905 Elmwood Avenue Remedial Investigation

A.K.A.:

Client: Elmwood Village Properties, LLC.

Logged By: TAB

Site Location: Buffalo NY

Checked By: BCH

TurnKey Environmental Restoration, LLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0635

SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol	PID VOCs ppm (0 – 12.5 – 25)	Lab Sample	Well Completion Details or Remarks
0.0	0.0	Ground Surface							
	0.0	***Concrete*** Concrete							
		Lean Clay with Sand Brown, moist, mostly, medium plastic fines, little fine sand, stiff, massive, medium toughness, medium dry strength.	C1	NA	2.4		0.2; 0.0		
	-4.0 / 4.0	***Sandy Lean Clay*** Reddish brown, moist to wet (6.5 fbgs), mostly medium plastic fines, some fine sand, few fine gravels (sub-rounded), stiff, massive, medium toughness, medium dry strength, slight petro odor.	C2	NA	3.0		1.7; 3.4	Sample location.	First water, 6.5 fbgs.
5.0	-7.0 / 7.0	As above.	C3	NA	4.0		0.2		
10.0	-10.0 / 10.0	As above.	C4	NA	1.6		0.0		
	-12.0 / 12.0	***Silty Sand*** Grey, wet, mostly fine sand, some non-plastic fines, few fine gravels (sub-rounded), slow dilatency.	C5	NA	3.0		0.0		
	-13.0 / 13.0	Equipment refusal at 13.5 fbgs.							
	-13.5 / 13.5	End of Borehole							
15.0									

Drilled By: Russo Development, Inc.
Drill Rig Type: AMS Power Probe.
Drill Method: Direct push with 4-foot macro-core.
Comments:
Drill Date(s): 1/22/15

Hole Size: 3-inch
Stick-up: NA
Datum: Mean sea level.

Sheet: 1 of 1

Project No: 0136-014-002

Borehole Number: SB-6

Project: 905 Elmwood Avenue Remedial Investigation

A.K.A.:

Client: Elmwood Village Properties, LLC.

Logged By: TAB

Site Location: Buffalo NY

Checked By: BCH

TurnKey Environmental Restoration, LLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0635

SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol	PID VOCs (ppm, 0–1000–2000)	Lab Sample	Well Completion Details or Remarks
0.0	0.0	Ground Surface							
	0.0 / -0.4	***Asphalt*** Asphalt.							
	0.4	***Sandy Lean Clay with Fill*** Brown/Reddish brown, moist, mostly, medium plastic fines, some fine sand, orange brick, cinders, stiff, massive, medium toughness, medium dry strength.	C1	NA	1.9		0.0; 0.0		
	-4.0 / 4.0	***Sandy Lean Clay*** Brown, moist to wet (6.5 fbgs), mostly medium plastic fines, some fine sand, stiff, massive, medium toughness, medium dry strength, strong petro odor.					788		
5.0	-6.0 / 6.0	As above, grey, few fine gravel (sub-rounded).	C2	NA	3.5		1049	Sample location.	First water, 6.5 fbgs.
	-8.0 / 8.0	As above, brown.					34		
10.0			C3	NA	4.0		10.0		
	-12.0 / 12.0	As above.					9.0		
	-13.0 / 13.0	Maro-core refusal at 13.5 fbgs.	C4	NA	1.6				
	-13.5 / 13.5	End of Borehole							
15.0									

Drilled By: Russo Development, Inc.
Drill Rig Type: AMS Power Probe.
Drill Method: Direct push w/4-foot macro-core.
Comments:
Drill Date(s): 1/22/15

Hole Size: 3-inch
Stick-up: NA
Datum: Mean sea level.

Sheet: 1 of 1

Project No: 0136-014-002

Borehole Number: SB-7

Project: 905 Elmwood Avenue Remedial Investigation

A.K.A.: TMW-4

Client: Elmwood Village Properties, LLC.

Logged By: TAB

Site Location: Buffalo NY

Checked By: BCH

TurnKey Environmental Restoration, LLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0635

SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol	PID VOCs ppm (0 – 12.5 – 25)	Lab Sample	Well Completion Details or Remarks
0.0	0.0	Ground Surface							
	0.0 / -0.4	Asphalt.							
	0.4 / -1.0	***Poorly Graded Sand with Gravel*** Brown, moist, mostly fine sand, little fine gravel (angular limestone), trace non-plastic fines, dense, loose when disturbed.					0.0		
	1.0	***Sandy Lean Clay*** Brown, moist, mostly low plasticity fines, some fine sand, trace fine gravel (angular), rootletts (3.5 to 4.0 fbgs), stiff, massive, medium toughness, medium dry strength.	C1	NA	2.8		0.0		
	-4.0 / 4.0	As above reddish brown, wet (4.0 fbgs), medium plasticity, no rootletts.					0.0		
5.0	-5.0 / 5.0	***Silty Sand*** Reddish brown, wet, mostly fine sand, little non-plastic fines, rapid dilatency, dense.					0.0		
	-5.5 / 5.5	***Sandy Lean Clay*** As above, (4.0 to 5.0 fbgs).	C2	NA	2.7		1.0	Sample location.	
	-8.0 / 8.0	As above.					0.0		
	-9.5 / 9.5	Macro-core refusal at 10.0 fbgs.	C3	NA	2.1				
10.0	-10.0 / 10.0	End of Borehole							

Drilled By: Russo Development, Inc.
Drill Rig Type: AMS Power Probe.
Drill Method: Direct push.
Comments:
Drill Date(s): 1/22/15

Hole Size: 3-inch
Stick-up: NA
Datum:

Sheet: 1 of 1

Project No: 0136-014-002

Borehole Number: SB-8

Project: 905 Elmwood Avenue Remedial Investigation

A.K.A.: TMW-3

Client: Elmwood Village Properties, LLC.

Logged By: TAB

Site Location: Buffalo NY

Checked By: BCH

TurnKey Environmental Restoration, LLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0635

SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol	PID VOCs ppm (0 – 12.5 – 25)	Lab Sample	Well Completion Details or Remarks
0.0	0.0	Ground Surface							
	0.0	***Sandy Lean Clay with Fill*** Brown/dark browm, moist, mostly, medium plastic fines, some fine sand, wood fragments, cinders,stiff, massive, medium toughness, medium dry strength.	C1	NA	2.0		0.0 0.0		
	-4.0 4.0	***Sandy Lean Clay*** Reddish brown, moist to wet (7.5 fbgs), mostly medium plastic fines, some fine sand, few fine gravels (sub-rounded), stiff, massive, medium toughness, medium dry strength, slight petro odor.	C2	NA	4.0		0.0 0.0	Sample location.	
5.0	-7.5 7.5	As above.	C3	NA	3.0		0.0		
10.0	-10.0 10.0	As above.	C4	NA	0.6		0.0		
	-11.5 11.5	Macro-core refusal at 12.0 fbgs, auger refusal at 11.5 fbgs.							
	-12.0 12.0	End of Borehole							
15.0									

Drilled By: Russo Development, Inc.
Drill Rig Type: AMS Power Probe.
Drill Method: Direct push.
Comments:
Drill Date(s): 1/22/15

Hole Size: 3-inch
Stick-up: NA
Datum: Mean sea level.

Sheet: 1 of 1

Project No: 0136-014-002

Borehole Number: SB-9

Project: 905 Elmwood Avenue Remedial Investigation

A.K.A.:

Client: Elmwood Village Properties, LLC.

Logged By: TAB

Site Location: Buffalo NY

Checked By: BCH

TurnKey Environmental Restoration, LLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0635

SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol	PID VOCs (ppm, 0 – 1000 – 2000)	Lab Sample	Well Completion Details or Remarks
0.0	0.0	Ground Surface							
	0.0 / -0.4 / 0.4	***Asphalt*** Asphalt.							
		Sandy Lean Clay Reddish brown, moist to wet (6.0 fbgs), mostly, medium plastic fines, some fine sand, few fine gravel (sub-rounded), stiff, massive, medium toughness, medium dry strength.	C1	NA	0.5		0.0; 0.0		
	-4.0 / 4.0	As above.	C2	NA	2		0.0; 0.0	Sample location.	First water, 6.0 fbgs.
5.0									
	-8.0 / 8.0	As above.	C3	NA	4.0		0.0		
10.0	-10.0 / 10.0	As above.	C4	NA	0.7		0.0		
	-12.0 / 12.0	As above.	C5	NA	0.2		0.0		
	-12.5 / 12.5	Macrocore refusal at 13.0 fbgs. Limestone rock chips in macrocore shoe, assumed top of rock.							
	-13.0 / 13.0	End of Borehole							
15.0									

Drilled By: Russo Development, Inc.
Drill Rig Type: AMS Power Probe.
Drill Method: Direct push.
Comments:
Drill Date(s): 1/22/15

Hole Size: 3-inch
Stick-up: NA
Datum: Mean sea level.

Sheet: 1 of 1

APPENDIX C

LABORATORY ANALYTICAL DATA REPORTS

(PROVIDED ELECTRONICALLY ON ENCLOSED CD)

ANALYTICAL REPORT

Lab Number:	L1501593
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Nate Munley
Phone:	(716) 225-3314
Project Name:	905 ELMWOOD AVE.
Project Number:	0136-014-002
Report Date:	01/30/15

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), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1501593
Report Date: 01/30/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1501593-01	SB-01 (7-9)	SOIL	BUFFALO, NY	01/22/15 12:48	01/23/15
L1501593-02	SB-02 (6-8)	SOIL	BUFFALO, NY	01/22/15 16:10	01/23/15
L1501593-03	SB-03 (6-8)	SOIL	BUFFALO, NY	01/22/15 11:36	01/23/15
L1501593-04	SB-04 (8-10)	SOIL	BUFFALO, NY	01/22/15 11:00	01/23/15
L1501593-05	SB-05 (5-7)	SOIL	BUFFALO, NY	01/22/15 13:56	01/23/15
L1501593-06	SB-06 (4.5-6.5)	SOIL	BUFFALO, NY	01/22/15 10:41	01/23/15
L1501593-07	SB-07 (6-8)	SOIL	BUFFALO, NY	01/22/15 09:31	01/23/15
L1501593-08	SB-08 (5-7)	SOIL	BUFFALO, NY	01/22/15 14:54	01/23/15
L1501593-09	SB-09 (4.5-6.5)	SOIL	BUFFALO, NY	01/22/15 15:17	01/23/15
L1501593-10	BLIND DUP #1	SOIL	BUFFALO, NY	01/22/15 00:00	01/23/15

Project Name: 905 ELMWOOD AVE. **Lab Number:** L1501593
Project Number: 0136-014-002 **Report Date:** 01/30/15

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 all of the requirements of NELAC, for all NELAC accredited parameters. 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. 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: 905 ELMWOOD AVE. **Lab Number:** L1501593
Project Number: 0136-014-002 **Report Date:** 01/30/15

Case Narrative (continued)

Report Submission

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

Volatile Organics

The WG759458-4/-5 MS/MSD recoveries, performed on L1501593-04, are outside the acceptance criteria for bromomethane (MS 148%), vinyl chloride (MS 132%), 2-butanone (MSD 60%), 2-hexanone (64%/63%), and 1,2-dibromo-3-chloropropane (66%/63%); however, the associated LCS/LCSD recoveries are within overall method allowances. No further action was required.

Semivolatile Organics

The surrogate recoveries for the WG759014-1 Method Blank, associated with L1501593-02 and -04 through -10, are above the acceptance criteria for phenol-d6 (121%) and nitrobenzene-d5 (122%). Since the blank was non-detect for all target analytes, re-analysis was not required.

The WG759014-2/-3 LCS/LCSD recoveries, associated with L1501593-02 and -04 through -10, are below the acceptance criteria for benzoic acid (6%/3%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

The WG759014-4/-5 MS/MSD recoveries, performed on L1501593-04, are below the acceptance criteria for 2,4-dinitrophenol (MS 0%) and benzoic acid (0%/0%) due to the concentrations of these compounds falling below the reported detection limits.

The WG759014-4/-5 MS/MSD recoveries, performed on L1501593-04, are above the acceptance criteria for phenol (100%/100%).

Pesticides

The WG758692-4/-5 MS/MSD RPD, performed on L1501593-04, is above the acceptance criteria for delta-bhc (59%).

Project Name: 905 ELMWOOD AVE. **Lab Number:** L1501593
Project Number: 0136-014-002 **Report Date:** 01/30/15

Case Narrative (continued)

Metals

L1501593-01 through -10 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

The WG759070-3/-4 MS/MSD recoveries, performed on L1501593-04, are above the acceptance criteria for mercury (158%/144%). A post digestion spike was performed and yielded an unacceptable recovery of 121%. This has been attributed to sample matrix.

The WG759204-4/-5 MS/MSD recoveries for aluminum (340%/292%), calcium (340%/1400%), iron (0%/0%), magnesium (226%/817%), and manganese (MSD 140%), performed on L1501593-04, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG759204-4/-5 MS/MSD recoveries, performed on L1501593-04, are outside the acceptance criteria for potassium (MSD 128%) and thallium (69%/72%). A post digestion spike was performed and yielded an unacceptable recovery for thallium (66%); potassium was within acceptance criteria. This has been attributed to sample matrix.

Cyanide, Total

The WG758334-4/-5 MS/MSD RPD (49%), performed on L1501593-04, is above the acceptance criteria.

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: Kelly Stenstrom

Title: Technical Director/Representative Date: 01/30/15

ORGANICS

VOLATILES

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

SAMPLE RESULTS

Lab ID: L1501593-02
Client ID: SB-02 (6-8)
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/29/15 12:47
Analyst: BN
Percent Solids: 90%

Date Collected: 01/22/15 16:10
Date Received: 01/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.4	1
1,1-Dichloroethane	ND		ug/kg	1.9	0.11	1
Chloroform	ND		ug/kg	1.9	0.46	1
Carbon tetrachloride	ND		ug/kg	1.2	0.26	1
1,2-Dichloropropane	ND		ug/kg	4.4	0.29	1
Dibromochloromethane	ND		ug/kg	1.2	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	0.38	1
Tetrachloroethene	ND		ug/kg	1.2	0.18	1
Chlorobenzene	ND		ug/kg	1.2	0.44	1
Trichlorofluoromethane	ND		ug/kg	6.3	0.49	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.14	1
Bromodichloromethane	ND		ug/kg	1.2	0.22	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
Bromoform	ND		ug/kg	5.0	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.13	1
Benzene	ND		ug/kg	1.2	0.15	1
Toluene	ND		ug/kg	1.9	0.24	1
Ethylbenzene	ND		ug/kg	1.2	0.16	1
Chloromethane	ND		ug/kg	6.3	0.37	1
Bromomethane	ND		ug/kg	2.5	0.42	1
Vinyl chloride	ND		ug/kg	2.5	0.15	1
Chloroethane	ND		ug/kg	2.5	0.40	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.33	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.27	1
Trichloroethene	ND		ug/kg	1.2	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	6.3	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	6.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	6.3	0.17	1

Project Name: 905 ELMWOOD AVE. **Lab Number:** L1501593

Project Number: 0136-014-002 **Report Date:** 01/30/15

SAMPLE RESULTS

Lab ID: L1501593-02 Date Collected: 01/22/15 16:10

Client ID: SB-02 (6-8) Date Received: 01/23/15

Sample Location: BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.5	0.11	1
p/m-Xylene	ND		ug/kg	2.5	0.25	1
o-Xylene	ND		ug/kg	2.5	0.22	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.18	1
Styrene	ND		ug/kg	2.5	0.50	1
Dichlorodifluoromethane	ND		ug/kg	12	0.24	1
Acetone	7.3	J	ug/kg	12	1.3	1
Carbon disulfide	ND		ug/kg	12	1.4	1
2-Butanone	3.1	J	ug/kg	12	0.34	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.31	1
2-Hexanone	ND		ug/kg	12	0.84	1
Bromochloromethane	ND		ug/kg	6.3	0.35	1
1,2-Dibromoethane	ND		ug/kg	5.0	0.22	1
n-Butylbenzene	ND		ug/kg	1.2	0.14	1
sec-Butylbenzene	ND		ug/kg	1.2	0.15	1
tert-Butylbenzene	ND		ug/kg	6.3	0.17	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.3	0.50	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.16	1
n-Propylbenzene	ND		ug/kg	1.2	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.3	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.3	0.23	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.3	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.3	0.18	1
Methyl Acetate	ND		ug/kg	25	0.34	1
Cyclohexane	ND		ug/kg	25	0.18	1
1,4-Dioxane	ND		ug/kg	120	18.	1
Freon-113	ND		ug/kg	25	0.34	1
Methyl cyclohexane	ND		ug/kg	5.0	0.19	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	88		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	94		70-130

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

SAMPLE RESULTS

Lab ID: L1501593-04
Client ID: SB-04 (8-10)
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/29/15 13:13
Analyst: BN
Percent Solids: 89%

Date Collected: 01/22/15 11:00
Date Received: 01/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.1	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09	1
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.21	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.35	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.39	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
Bromoform	ND		ug/kg	4.1	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.5	0.20	1
Ethylbenzene	2.0		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.1	0.30	1
Bromomethane	ND		ug/kg	2.0	0.34	1
Vinyl chloride	ND		ug/kg	2.0	0.12	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.1	0.14	1

Project Name: 905 ELMWOOD AVE. **Lab Number:** L1501593

Project Number: 0136-014-002 **Report Date:** 01/30/15

SAMPLE RESULTS

Lab ID: L1501593-04 Date Collected: 01/22/15 11:00

Client ID: SB-04 (8-10) Date Received: 01/23/15

Sample Location: BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.0	0.09	1
p/m-Xylene	2.0		ug/kg	2.0	0.20	1
o-Xylene	0.21	J	ug/kg	2.0	0.17	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14	1
Styrene	ND		ug/kg	2.0	0.41	1
Dichlorodifluoromethane	ND		ug/kg	10	0.19	1
Acetone	12		ug/kg	10	1.0	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	12		ug/kg	10	0.28	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
2-Hexanone	ND		ug/kg	10	0.68	1
Bromochloromethane	ND		ug/kg	5.1	0.28	1
1,2-Dibromoethane	ND		ug/kg	4.1	0.18	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	0.27	J	ug/kg	1.0	0.12	1
tert-Butylbenzene	ND		ug/kg	5.1	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	0.40	1
Isopropylbenzene	0.25	J	ug/kg	1.0	0.10	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
n-Propylbenzene	0.49	J	ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.1	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.1	0.18	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.1	0.14	1
1,2,4-Trimethylbenzene	1.6	J	ug/kg	5.1	0.14	1
Methyl Acetate	ND		ug/kg	20	0.27	1
Cyclohexane	5.7	J	ug/kg	20	0.15	1
1,4-Dioxane	ND		ug/kg	100	15.	1
Freon-113	ND		ug/kg	20	0.28	1
Methyl cyclohexane	5.4		ug/kg	4.1	0.16	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	88		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	95		70-130

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

SAMPLE RESULTS

Lab ID: L1501593-05
Client ID: SB-05 (5-7)
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/29/15 14:30
Analyst: BN
Percent Solids: 87%

Date Collected: 01/22/15 13:56
Date Received: 01/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	16	1.7	1
1,1-Dichloroethane	0.61	J	ug/kg	2.3	0.13	1
Chloroform	ND		ug/kg	2.3	0.57	1
Carbon tetrachloride	ND		ug/kg	1.6	0.33	1
1,2-Dichloropropane	ND		ug/kg	5.4	0.35	1
Dibromochloromethane	ND		ug/kg	1.6	0.24	1
1,1,2-Trichloroethane	ND		ug/kg	2.3	0.47	1
Tetrachloroethene	ND		ug/kg	1.6	0.22	1
Chlorobenzene	ND		ug/kg	1.6	0.54	1
Trichlorofluoromethane	ND		ug/kg	7.8	0.60	1
1,2-Dichloroethane	ND		ug/kg	1.6	0.18	1
1,1,1-Trichloroethane	ND		ug/kg	1.6	0.17	1
Bromodichloromethane	ND		ug/kg	1.6	0.27	1
trans-1,3-Dichloropropene	ND		ug/kg	1.6	0.19	1
cis-1,3-Dichloropropene	ND		ug/kg	1.6	0.18	1
Bromoform	ND		ug/kg	6.2	0.37	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.6	0.16	1
Benzene	1.8		ug/kg	1.6	0.18	1
Toluene	ND		ug/kg	2.3	0.30	1
Ethylbenzene	ND		ug/kg	1.6	0.20	1
Chloromethane	ND		ug/kg	7.8	0.46	1
Bromomethane	ND		ug/kg	3.1	0.52	1
Vinyl chloride	ND		ug/kg	3.1	0.18	1
Chloroethane	ND		ug/kg	3.1	0.49	1
1,1-Dichloroethene	ND		ug/kg	1.6	0.41	1
trans-1,2-Dichloroethene	ND		ug/kg	2.3	0.33	1
Trichloroethene	ND		ug/kg	1.6	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	7.8	0.24	1
1,3-Dichlorobenzene	ND		ug/kg	7.8	0.21	1
1,4-Dichlorobenzene	ND		ug/kg	7.8	0.21	1

Project Name: 905 ELMWOOD AVE. **Lab Number:** L1501593

Project Number: 0136-014-002 **Report Date:** 01/30/15

SAMPLE RESULTS

Lab ID: L1501593-05 Date Collected: 01/22/15 13:56

Client ID: SB-05 (5-7) Date Received: 01/23/15

Sample Location: BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	16		ug/kg	3.1	0.13	1
p/m-Xylene	ND		ug/kg	3.1	0.31	1
o-Xylene	ND		ug/kg	3.1	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	1.6	0.22	1
Styrene	ND		ug/kg	3.1	0.62	1
Dichlorodifluoromethane	ND		ug/kg	16	0.30	1
Acetone	12	J	ug/kg	16	1.6	1
Carbon disulfide	ND		ug/kg	16	1.7	1
2-Butanone	ND		ug/kg	16	0.42	1
4-Methyl-2-pentanone	ND		ug/kg	16	0.38	1
2-Hexanone	ND		ug/kg	16	1.0	1
Bromochloromethane	ND		ug/kg	7.8	0.43	1
1,2-Dibromoethane	ND		ug/kg	6.2	0.27	1
n-Butylbenzene	0.64	J	ug/kg	1.6	0.18	1
sec-Butylbenzene	0.46	J	ug/kg	1.6	0.19	1
tert-Butylbenzene	ND		ug/kg	7.8	0.21	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.8	0.62	1
Isopropylbenzene	ND		ug/kg	1.6	0.16	1
p-Isopropyltoluene	ND		ug/kg	1.6	0.19	1
n-Propylbenzene	ND		ug/kg	1.6	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.8	0.23	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.8	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.8	0.22	1
1,2,4-Trimethylbenzene	0.76	J	ug/kg	7.8	0.22	1
Methyl Acetate	ND		ug/kg	31	0.42	1
Cyclohexane	4.2	J	ug/kg	31	0.23	1
1,4-Dioxane	ND		ug/kg	160	22.	1
Freon-113	ND		ug/kg	31	0.42	1
Methyl cyclohexane	3.6	J	ug/kg	6.2	0.24	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	87		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	96		70-130

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

SAMPLE RESULTS

Lab ID:	L1501593-06	D	Date Collected:	01/22/15 10:41
Client ID:	SB-06 (4.5-6.5)		Date Received:	01/23/15
Sample Location:	BUFFALO, NY		Field Prep:	Not Specified
Matrix:	Soil			
Analytical Method:	1,8260C			
Analytical Date:	01/29/15 16:11			
Analyst:	BN			
Percent Solids:	84%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	16000	1800	25
1,1-Dichloroethane	ND		ug/kg	2500	140	25
Chloroform	ND		ug/kg	2500	610	25
Carbon tetrachloride	ND		ug/kg	1600	340	25
1,2-Dichloropropane	ND		ug/kg	5700	370	25
Dibromochloromethane	ND		ug/kg	1600	250	25
1,1,2-Trichloroethane	ND		ug/kg	2500	500	25
Tetrachloroethene	ND		ug/kg	1600	230	25
Chlorobenzene	ND		ug/kg	1600	570	25
Trichlorofluoromethane	ND		ug/kg	8200	640	25
1,2-Dichloroethane	ND		ug/kg	1600	190	25
1,1,1-Trichloroethane	ND		ug/kg	1600	180	25
Bromodichloromethane	ND		ug/kg	1600	280	25
trans-1,3-Dichloropropene	ND		ug/kg	1600	200	25
cis-1,3-Dichloropropene	ND		ug/kg	1600	190	25
Bromoform	ND		ug/kg	6600	390	25
1,1,2,2-Tetrachloroethane	ND		ug/kg	1600	160	25
Benzene	1800		ug/kg	1600	190	25
Toluene	41000		ug/kg	2500	320	25
Ethylbenzene	31000		ug/kg	1600	210	25
Chloromethane	ND		ug/kg	8200	480	25
Bromomethane	ND		ug/kg	3300	550	25
Vinyl chloride	ND		ug/kg	3300	190	25
Chloroethane	ND		ug/kg	3300	520	25
1,1-Dichloroethene	ND		ug/kg	1600	430	25
trans-1,2-Dichloroethene	ND		ug/kg	2500	350	25
Trichloroethene	ND		ug/kg	1600	200	25
1,2-Dichlorobenzene	ND		ug/kg	8200	250	25
1,3-Dichlorobenzene	ND		ug/kg	8200	220	25
1,4-Dichlorobenzene	ND		ug/kg	8200	230	25

Project Name: 905 ELMWOOD AVE. **Lab Number:** L1501593

Project Number: 0136-014-002 **Report Date:** 01/30/15

SAMPLE RESULTS

Lab ID: L1501593-06 D Date Collected: 01/22/15 10:41
Client ID: SB-06 (4.5-6.5) Date Received: 01/23/15
Sample Location: BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	3300	140	25
p/m-Xylene	150000		ug/kg	3300	320	25
o-Xylene	63000		ug/kg	3300	280	25
cis-1,2-Dichloroethene	ND		ug/kg	1600	230	25
Styrene	ND		ug/kg	3300	660	25
Dichlorodifluoromethane	ND		ug/kg	16000	310	25
Acetone	8600	J	ug/kg	16000	1700	25
Carbon disulfide	ND		ug/kg	16000	1800	25
2-Butanone	ND		ug/kg	16000	450	25
4-Methyl-2-pentanone	ND		ug/kg	16000	400	25
2-Hexanone	ND		ug/kg	16000	1100	25
Bromochloromethane	ND		ug/kg	8200	450	25
1,2-Dibromoethane	ND		ug/kg	6600	290	25
n-Butylbenzene	4700		ug/kg	1600	190	25
sec-Butylbenzene	1800		ug/kg	1600	200	25
tert-Butylbenzene	ND		ug/kg	8200	220	25
1,2-Dibromo-3-chloropropane	ND		ug/kg	8200	650	25
Isopropylbenzene	3700		ug/kg	1600	170	25
p-Isopropyltoluene	980	J	ug/kg	1600	200	25
n-Propylbenzene	16000		ug/kg	1600	180	25
1,2,3-Trichlorobenzene	ND		ug/kg	8200	240	25
1,2,4-Trichlorobenzene	ND		ug/kg	8200	300	25
1,3,5-Trimethylbenzene	36000		ug/kg	8200	240	25
1,2,4-Trimethylbenzene	120000		ug/kg	8200	230	25
Methyl Acetate	ND		ug/kg	33000	440	25
Cyclohexane	ND		ug/kg	33000	240	25
1,4-Dioxane	ND		ug/kg	160000	24000	25
Freon-113	ND		ug/kg	33000	450	25
Methyl cyclohexane	8400		ug/kg	6600	250	25

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	86		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	91		70-130

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

SAMPLE RESULTS

Lab ID: L1501593-07
Client ID: SB-07 (6-8)
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/29/15 14:56
Analyst: BN
Percent Solids: 87%

Date Collected: 01/22/15 09:31
Date Received: 01/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	8.5	0.94	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.07	1
Chloroform	ND		ug/kg	1.3	0.31	1
Carbon tetrachloride	ND		ug/kg	0.85	0.18	1
1,2-Dichloropropane	ND		ug/kg	3.0	0.19	1
Dibromochloromethane	ND		ug/kg	0.85	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.26	1
Tetrachloroethene	ND		ug/kg	0.85	0.12	1
Chlorobenzene	ND		ug/kg	0.85	0.30	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.33	1
1,2-Dichloroethane	ND		ug/kg	0.85	0.10	1
1,1,1-Trichloroethane	ND		ug/kg	0.85	0.09	1
Bromodichloromethane	ND		ug/kg	0.85	0.15	1
trans-1,3-Dichloropropene	ND		ug/kg	0.85	0.10	1
cis-1,3-Dichloropropene	ND		ug/kg	0.85	0.10	1
Bromoform	ND		ug/kg	3.4	0.20	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.85	0.09	1
Benzene	ND		ug/kg	0.85	0.10	1
Toluene	ND		ug/kg	1.3	0.16	1
Ethylbenzene	ND		ug/kg	0.85	0.11	1
Chloromethane	ND		ug/kg	4.2	0.25	1
Bromomethane	ND		ug/kg	1.7	0.29	1
Vinyl chloride	ND		ug/kg	1.7	0.10	1
Chloroethane	ND		ug/kg	1.7	0.27	1
1,1-Dichloroethene	ND		ug/kg	0.85	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.18	1
Trichloroethene	ND		ug/kg	0.85	0.11	1
1,2-Dichlorobenzene	ND		ug/kg	4.2	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	4.2	0.11	1
1,4-Dichlorobenzene	ND		ug/kg	4.2	0.12	1

Project Name: 905 ELMWOOD AVE. **Lab Number:** L1501593

Project Number: 0136-014-002 **Report Date:** 01/30/15

SAMPLE RESULTS

Lab ID: L1501593-07 Date Collected: 01/22/15 09:31

Client ID: SB-07 (6-8) Date Received: 01/23/15

Sample Location: BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.7	0.07	1
p/m-Xylene	ND		ug/kg	1.7	0.17	1
o-Xylene	ND		ug/kg	1.7	0.14	1
cis-1,2-Dichloroethene	ND		ug/kg	0.85	0.12	1
Styrene	ND		ug/kg	1.7	0.34	1
Dichlorodifluoromethane	ND		ug/kg	8.5	0.16	1
Acetone	20		ug/kg	8.5	0.88	1
Carbon disulfide	ND		ug/kg	8.5	0.93	1
2-Butanone	ND		ug/kg	8.5	0.23	1
4-Methyl-2-pentanone	ND		ug/kg	8.5	0.21	1
2-Hexanone	ND		ug/kg	8.5	0.56	1
Bromochloromethane	ND		ug/kg	4.2	0.23	1
1,2-Dibromoethane	ND		ug/kg	3.4	0.15	1
n-Butylbenzene	0.24	J	ug/kg	0.85	0.10	1
sec-Butylbenzene	2.2		ug/kg	0.85	0.10	1
tert-Butylbenzene	ND		ug/kg	4.2	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.2	0.34	1
Isopropylbenzene	0.52	J	ug/kg	0.85	0.09	1
p-Isopropyltoluene	ND		ug/kg	0.85	0.11	1
n-Propylbenzene	0.55	J	ug/kg	0.85	0.09	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.2	0.12	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.2	0.15	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.2	0.12	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.2	0.12	1
Methyl Acetate	ND		ug/kg	17	0.23	1
Cyclohexane	ND		ug/kg	17	0.12	1
1,4-Dioxane	ND		ug/kg	85	12.	1
Freon-113	ND		ug/kg	17	0.23	1
Methyl cyclohexane	0.45	J	ug/kg	3.4	0.13	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	86		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	97		70-130

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

SAMPLE RESULTS

Lab ID: L1501593-08
Client ID: SB-08 (5-7)
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/29/15 15:21
Analyst: BN
Percent Solids: 89%

Date Collected: 01/22/15 14:54
Date Received: 01/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.39	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.24	1
Dibromochloromethane	ND		ug/kg	1.0	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.32	1
Tetrachloroethene	ND		ug/kg	1.0	0.15	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.2	0.40	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.12	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
Bromoform	ND		ug/kg	4.2	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.6	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.2	0.31	1
Bromomethane	ND		ug/kg	2.1	0.35	1
Vinyl chloride	ND		ug/kg	2.1	0.12	1
Chloroethane	ND		ug/kg	2.1	0.33	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	5.2	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.2	0.14	1

Project Name: 905 ELMWOOD AVE. **Lab Number:** L1501593

Project Number: 0136-014-002 **Report Date:** 01/30/15

SAMPLE RESULTS

Lab ID: L1501593-08 Date Collected: 01/22/15 14:54

Client ID: SB-08 (5-7) Date Received: 01/23/15

Sample Location: BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.1	0.09	1
p/m-Xylene	ND		ug/kg	2.1	0.21	1
o-Xylene	ND		ug/kg	2.1	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
Styrene	ND		ug/kg	2.1	0.42	1
Dichlorodifluoromethane	ND		ug/kg	10	0.20	1
Acetone	6.0	J	ug/kg	10	1.1	1
Carbon disulfide	ND		ug/kg	10	1.2	1
2-Butanone	2.5	J	ug/kg	10	0.28	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
2-Hexanone	ND		ug/kg	10	0.70	1
Bromochloromethane	ND		ug/kg	5.2	0.29	1
1,2-Dibromoethane	ND		ug/kg	4.2	0.18	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.13	1
tert-Butylbenzene	ND		ug/kg	5.2	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.2	0.41	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
n-Propylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.2	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.2	0.19	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.2	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.2	0.15	1
Methyl Acetate	ND		ug/kg	21	0.28	1
Cyclohexane	ND		ug/kg	21	0.15	1
1,4-Dioxane	ND		ug/kg	100	15.	1
Freon-113	ND		ug/kg	21	0.29	1
Methyl cyclohexane	ND		ug/kg	4.2	0.16	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	87		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	94		70-130

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

SAMPLE RESULTS

Lab ID: L1501593-09
Client ID: SB-09 (4.5-6.5)
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/29/15 15:46
Analyst: BN
Percent Solids: 87%

Date Collected: 01/22/15 15:17
Date Received: 01/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.3	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.10	1
Chloroform	ND		ug/kg	1.8	0.44	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.1	0.27	1
Dibromochloromethane	ND		ug/kg	1.2	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.36	1
Tetrachloroethene	ND		ug/kg	1.2	0.16	1
Chlorobenzene	ND		ug/kg	1.2	0.41	1
Trichlorofluoromethane	ND		ug/kg	5.9	0.46	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.20	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
Bromoform	ND		ug/kg	4.7	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.12	1
Benzene	0.59	J	ug/kg	1.2	0.14	1
Toluene	1.4	J	ug/kg	1.8	0.23	1
Ethylbenzene	ND		ug/kg	1.2	0.15	1
Chloromethane	ND		ug/kg	5.9	0.35	1
Bromomethane	ND		ug/kg	2.4	0.40	1
Vinyl chloride	ND		ug/kg	2.4	0.14	1
Chloroethane	ND		ug/kg	2.4	0.37	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.25	1
Trichloroethene	ND		ug/kg	1.2	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	5.9	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	5.9	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	5.9	0.16	1

Project Name: 905 ELMWOOD AVE. **Lab Number:** L1501593

Project Number: 0136-014-002 **Report Date:** 01/30/15

SAMPLE RESULTS

Lab ID: L1501593-09 Date Collected: 01/22/15 15:17

Client ID: SB-09 (4.5-6.5) Date Received: 01/23/15

Sample Location: BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.4	0.10	1
p/m-Xylene	0.53	J	ug/kg	2.4	0.23	1
o-Xylene	ND		ug/kg	2.4	0.20	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.17	1
Styrene	ND		ug/kg	2.4	0.47	1
Dichlorodifluoromethane	ND		ug/kg	12	0.22	1
Acetone	9.6	J	ug/kg	12	1.2	1
Carbon disulfide	ND		ug/kg	12	1.3	1
2-Butanone	3.4	J	ug/kg	12	0.32	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.29	1
2-Hexanone	ND		ug/kg	12	0.78	1
Bromochloromethane	ND		ug/kg	5.9	0.32	1
1,2-Dibromoethane	ND		ug/kg	4.7	0.20	1
n-Butylbenzene	ND		ug/kg	1.2	0.14	1
sec-Butylbenzene	ND		ug/kg	1.2	0.14	1
tert-Butylbenzene	ND		ug/kg	5.9	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.9	0.47	1
Isopropylbenzene	ND		ug/kg	1.2	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.15	1
n-Propylbenzene	ND		ug/kg	1.2	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.9	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.9	0.21	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.9	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.9	0.17	1
Methyl Acetate	ND		ug/kg	24	0.32	1
Cyclohexane	ND		ug/kg	24	0.17	1
1,4-Dioxane	ND		ug/kg	120	17.	1
Freon-113	ND		ug/kg	24	0.32	1
Methyl cyclohexane	ND		ug/kg	4.7	0.18	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	88		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	94		70-130

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

SAMPLE RESULTS

Lab ID:	L1501593-10	Date Collected:	01/22/15 00:00
Client ID:	BLIND DUP #1	Date Received:	01/23/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	01/29/15 16:12		
Analyst:	BN		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	13	1.4	1
1,1-Dichloroethane	ND		ug/kg	1.9	0.11	1
Chloroform	ND		ug/kg	1.9	0.47	1
Carbon tetrachloride	ND		ug/kg	1.3	0.27	1
1,2-Dichloropropane	ND		ug/kg	4.5	0.29	1
Dibromochloromethane	ND		ug/kg	1.3	0.20	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	0.39	1
Tetrachloroethene	ND		ug/kg	1.3	0.18	1
Chlorobenzene	ND		ug/kg	1.3	0.44	1
Trichlorofluoromethane	ND		ug/kg	6.4	0.50	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	0.14	1
Bromodichloromethane	ND		ug/kg	1.3	0.22	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	0.15	1
Bromoform	ND		ug/kg	5.1	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	0.13	1
Benzene	ND		ug/kg	1.3	0.15	1
Toluene	ND		ug/kg	1.9	0.25	1
Ethylbenzene	ND		ug/kg	1.3	0.16	1
Chloromethane	ND		ug/kg	6.4	0.38	1
Bromomethane	ND		ug/kg	2.6	0.43	1
Vinyl chloride	ND		ug/kg	2.6	0.15	1
Chloroethane	ND		ug/kg	2.6	0.40	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.33	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.27	1
Trichloroethene	ND		ug/kg	1.3	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	6.4	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	6.4	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	6.4	0.18	1

Project Name: 905 ELMWOOD AVE. **Lab Number:** L1501593

Project Number: 0136-014-002 **Report Date:** 01/30/15

SAMPLE RESULTS

Lab ID: L1501593-10 Date Collected: 01/22/15 00:00

Client ID: BLIND DUP #1 Date Received: 01/23/15

Sample Location: BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.6	0.11	1
p/m-Xylene	ND		ug/kg	2.6	0.25	1
o-Xylene	ND		ug/kg	2.6	0.22	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.18	1
Styrene	ND		ug/kg	2.6	0.51	1
Dichlorodifluoromethane	ND		ug/kg	13	0.24	1
Acetone	7.7	J	ug/kg	13	1.3	1
Carbon disulfide	ND		ug/kg	13	1.4	1
2-Butanone	3.0	J	ug/kg	13	0.35	1
4-Methyl-2-pentanone	ND		ug/kg	13	0.31	1
2-Hexanone	ND		ug/kg	13	0.85	1
Bromochloromethane	ND		ug/kg	6.4	0.35	1
1,2-Dibromoethane	ND		ug/kg	5.1	0.22	1
n-Butylbenzene	ND		ug/kg	1.3	0.15	1
sec-Butylbenzene	ND		ug/kg	1.3	0.16	1
tert-Butylbenzene	ND		ug/kg	6.4	0.17	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.4	0.50	1
Isopropylbenzene	ND		ug/kg	1.3	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.16	1
n-Propylbenzene	ND		ug/kg	1.3	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.4	0.19	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.4	0.23	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.4	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.4	0.18	1
Methyl Acetate	ND		ug/kg	26	0.34	1
Cyclohexane	ND		ug/kg	26	0.19	1
1,4-Dioxane	ND		ug/kg	130	18.	1
Freon-113	ND		ug/kg	26	0.35	1
Methyl cyclohexane	ND		ug/kg	5.1	0.20	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	87		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	96		70-130

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/29/15 08:39
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 06 Batch: WG759192-3					
Methylene chloride	ND		ug/kg	500	55.
1,1-Dichloroethane	ND		ug/kg	75	4.3
Chloroform	ND		ug/kg	75	18.
Carbon tetrachloride	ND		ug/kg	50	10.
1,2-Dichloropropane	ND		ug/kg	180	11.
Dibromochloromethane	ND		ug/kg	50	7.7
1,1,2-Trichloroethane	ND		ug/kg	75	15.
Tetrachloroethene	ND		ug/kg	50	7.0
Chlorobenzene	ND		ug/kg	50	17.
Trichlorofluoromethane	ND		ug/kg	250	19.
1,2-Dichloroethane	ND		ug/kg	50	5.7
1,1,1-Trichloroethane	ND		ug/kg	50	5.5
Bromodichloromethane	ND		ug/kg	50	8.7
trans-1,3-Dichloropropene	ND		ug/kg	50	6.0
cis-1,3-Dichloropropene	ND		ug/kg	50	5.9
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	5.0
Benzene	ND		ug/kg	50	5.9
Toluene	ND		ug/kg	75	9.7
Ethylbenzene	ND		ug/kg	50	6.4
Chloromethane	ND		ug/kg	250	15.
Bromomethane	ND		ug/kg	100	17.
Vinyl chloride	ND		ug/kg	100	5.9
Chloroethane	ND		ug/kg	100	16.
1,1-Dichloroethene	ND		ug/kg	50	13.
trans-1,2-Dichloroethene	ND		ug/kg	75	11.
Trichloroethene	ND		ug/kg	50	6.2
1,2-Dichlorobenzene	ND		ug/kg	250	7.7
1,3-Dichlorobenzene	ND		ug/kg	250	6.8

Project Name: 905 ELMWOOD AVE. **Lab Number:** L1501593

Project Number: 0136-014-002 **Report Date:** 01/30/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/29/15 08:39
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 06 Batch: WG759192-3					
1,4-Dichlorobenzene	ND		ug/kg	250	6.9
Methyl tert butyl ether	ND		ug/kg	100	4.2
p/m-Xylene	ND		ug/kg	100	9.9
o-Xylene	ND		ug/kg	100	8.6
cis-1,2-Dichloroethene	ND		ug/kg	50	7.1
Styrene	ND		ug/kg	100	20.
Dichlorodifluoromethane	ND		ug/kg	500	9.5
Acetone	360	J	ug/kg	500	52.
Carbon disulfide	ND		ug/kg	500	55.
2-Butanone	190	J	ug/kg	500	14.
4-Methyl-2-pentanone	ND		ug/kg	500	12.
2-Hexanone	ND		ug/kg	500	33.
Bromochloromethane	ND		ug/kg	250	14.
1,2-Dibromoethane	ND		ug/kg	200	8.7
n-Butylbenzene	ND		ug/kg	50	5.7
sec-Butylbenzene	ND		ug/kg	50	6.1
tert-Butylbenzene	ND		ug/kg	250	6.8
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	20.
Isopropylbenzene	ND		ug/kg	50	5.2
p-Isopropyltoluene	ND		ug/kg	50	6.2
Naphthalene	ND		ug/kg	250	6.9
n-Propylbenzene	ND		ug/kg	50	5.5
1,2,3-Trichlorobenzene	ND		ug/kg	250	7.4
1,2,4-Trichlorobenzene	ND		ug/kg	250	9.1
1,3,5-Trimethylbenzene	ND		ug/kg	250	7.2
1,2,4-Trimethylbenzene	ND		ug/kg	250	7.1
Methyl Acetate	ND		ug/kg	1000	14.
Cyclohexane	ND		ug/kg	1000	7.3
1,4-Dioxane	ND		ug/kg	5000	720

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1501593
Report Date: 01/30/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/29/15 08:39
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 06 Batch: WG759192-3					
Freon-113	ND		ug/kg	1000	14.
Methyl cyclohexane	ND		ug/kg	200	7.7

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	85		70-130
Toluene-d8	87		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	91		70-130

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/29/15 08:32
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,04-05,07-10 Batch: WG759458-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	0.41	J	ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/29/15 08:32
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,04-05,07-10 Batch: WG759458-3					
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	5.9	J	ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	3.0	J	ug/kg	10	0.27
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1501593
Report Date: 01/30/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/29/15 08:32
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,04-05,07-10 Batch: WG759458-3					
Freon-113	ND		ug/kg	20	0.27
Methyl cyclohexane	ND		ug/kg	4.0	0.15

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	87		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	92		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1501593
Report Date: 01/30/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06 Batch: WG759192-1 WG759192-2								
Methylene chloride	102		102		70-130	0		30
1,1-Dichloroethane	108		104		70-130	4		30
Chloroform	94		92		70-130	2		30
Carbon tetrachloride	101		97		70-130	4		30
1,2-Dichloropropane	111		109		70-130	2		30
Dibromochloromethane	93		95		70-130	2		30
2-Chloroethylvinyl ether	**38**	Q	**38**	Q	70-130	0		30
1,1,2-Trichloroethane	82		82		70-130	0		30
Tetrachloroethene	94		93		70-130	1		30
Chlorobenzene	88		87		70-130	1		30
Trichlorofluoromethane	81		77		70-139	5		30
1,2-Dichloroethane	91		91		70-130	0		30
1,1,1-Trichloroethane	92		88		70-130	4		30
Bromodichloromethane	93		93		70-130	0		30
trans-1,3-Dichloropropene	86		87		70-130	1		30
cis-1,3-Dichloropropene	104		103		70-130	1		30
1,1-Dichloropropene	98		95		70-130	3		30
Bromoform	83		85		70-130	2		30
1,1,2,2-Tetrachloroethane	70		71		70-130	1		30
Benzene	104		100		70-130	4		30
Toluene	86		83		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1501593
Report Date: 01/30/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06 Batch: WG759192-1 WG759192-2								
Ethylbenzene	87		85		70-130	2		30
Chloromethane	129		120		52-130	7		30
Bromomethane	118		107		57-147	10		30
Vinyl chloride	122		112		67-130	9		30
Chloroethane	96		90		50-151	6		30
1,1-Dichloroethene	104		100		65-135	4		30
trans-1,2-Dichloroethene	108		104		70-130	4		30
Trichloroethene	103		100		70-130	3		30
1,2-Dichlorobenzene	90		89		70-130	1		30
1,3-Dichlorobenzene	90		90		70-130	0		30
1,4-Dichlorobenzene	89		89		70-130	0		30
Methyl tert butyl ether	106		106		66-130	0		30
p/m-Xylene	92		90		70-130	2		30
o-Xylene	93		91		70-130	2		30
cis-1,2-Dichloroethene	106		104		70-130	2		30
Dibromomethane	91		90		70-130	1		30
Styrene	90		89		70-130	1		30
Dichlorodifluoromethane	96		89		30-146	8		30
Acetone	134		134		54-140	0		30
Carbon disulfide	92		87		59-130	6		30
2-Butanone	130		120		70-130	8		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1501593
Report Date: 01/30/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06 Batch: WG759192-1 WG759192-2								
Vinyl acetate	97		97		70-130	0		30
4-Methyl-2-pentanone	103		108		70-130	5		30
1,2,3-Trichloropropane	74		73		68-130	1		30
2-Hexanone	84		87		70-130	4		30
Bromochloromethane	114		114		70-130	0		30
2,2-Dichloropropane	96		93		70-130	3		30
1,2-Dibromoethane	86		87		70-130	1		30
1,3-Dichloropropane	84		84		69-130	0		30
1,1,1,2-Tetrachloroethane	93		93		70-130	0		30
Bromobenzene	91		91		70-130	0		30
n-Butylbenzene	78		76		70-130	3		30
sec-Butylbenzene	80		78		70-130	3		30
tert-Butylbenzene	87		85		70-130	2		30
o-Chlorotoluene	83		82		70-130	1		30
p-Chlorotoluene	84		82		70-130	2		30
1,2-Dibromo-3-chloropropane	76		82		68-130	8		30
Hexachlorobutadiene	88		87		67-130	1		30
Isopropylbenzene	83		81		70-130	2		30
p-Isopropyltoluene	88		85		70-130	3		30
Naphthalene	88		89		70-130	1		30
Acrylonitrile	125		116		70-130	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1501593
Report Date: 01/30/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06 Batch: WG759192-1 WG759192-2								
Isopropyl Ether	126		125		66-130	1		30
tert-Butyl Alcohol	94		96		70-130	2		30
n-Propylbenzene	80		77		70-130	4		30
1,2,3-Trichlorobenzene	88		89		70-130	1		30
1,2,4-Trichlorobenzene	94		94		70-130	0		30
1,3,5-Trimethylbenzene	84		82		70-130	2		30
1,2,4-Trimethylbenzene	84		84		70-130	0		30
Methyl Acetate	101		102		51-146	1		30
Ethyl Acetate	106		104		70-130	2		30
Acrolein	104		109		70-130	5		30
Cyclohexane	109		102		59-142	7		30
1,4-Dioxane	87		88		65-136	1		30
Freon-113	84		79		50-139	6		30
1,4-Diethylbenzene	89		87		70-130	2		30
4-Ethyltoluene	84		81		70-130	4		30
1,2,4,5-Tetramethylbenzene	92		91		70-130	1		30
Tetrahydrofuran	102		104		66-130	2		30
Ethyl ether	111		112		67-130	1		30
trans-1,4-Dichloro-2-butene	78		79		70-130	1		30
Methyl cyclohexane	90		86		70-130	5		30
Ethyl-Tert-Butyl-Ether	116		115		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1501593
Report Date: 01/30/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06 Batch: WG759192-1 WG759192-2								
Tertiary-Amyl Methyl Ether	104		105		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	82		83		70-130
Toluene-d8	88		88		70-130
4-Bromofluorobenzene	94		95		70-130
Dibromofluoromethane	95		94		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1501593
Report Date: 01/30/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,04-05,07-10 Batch: WG759458-1 WG759458-2								
Methylene chloride	111		108		70-130	3		30
1,1-Dichloroethane	107		103		70-130	4		30
Chloroform	108		105		70-130	3		30
Carbon tetrachloride	110		104		70-130	6		30
1,2-Dichloropropane	105		103		70-130	2		30
Dibromochloromethane	88		87		70-130	1		30
2-Chloroethylvinyl ether	88		87		70-130	1		30
1,1,2-Trichloroethane	94		94		70-130	0		30
Tetrachloroethene	110		103		70-130	7		30
Chlorobenzene	101		98		70-130	3		30
Trichlorofluoromethane	118		110		70-139	7		30
1,2-Dichloroethane	102		101		70-130	1		30
1,1,1-Trichloroethane	110		105		70-130	5		30
Bromodichloromethane	98		97		70-130	1		30
trans-1,3-Dichloropropene	85		84		70-130	1		30
cis-1,3-Dichloropropene	100		98		70-130	2		30
1,1-Dichloropropene	114		107		70-130	6		30
Bromoform	78		79		70-130	1		30
1,1,2,2-Tetrachloroethane	86		86		70-130	0		30
Benzene	114		110		70-130	4		30
Toluene	100		96		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1501593
Report Date: 01/30/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,04-05,07-10 Batch: WG759458-1 WG759458-2								
Ethylbenzene	100		96		70-130	4		30
Chloromethane	92		88		52-130	4		30
Bromomethane	123		120		57-147	2		30
Vinyl chloride	119		112		67-130	6		30
Chloroethane	129		124		50-151	4		30
1,1-Dichloroethene	118		110		65-135	7		30
trans-1,2-Dichloroethene	115		110		70-130	4		30
Trichloroethene	114		110		70-130	4		30
1,2-Dichlorobenzene	94		94		70-130	0		30
1,3-Dichlorobenzene	96		95		70-130	1		30
1,4-Dichlorobenzene	95		95		70-130	0		30
Methyl tert butyl ether	98		98		66-130	0		30
p/m-Xylene	102		98		70-130	4		30
o-Xylene	99		96		70-130	3		30
cis-1,2-Dichloroethene	115		111		70-130	4		30
Dibromomethane	102		102		70-130	0		30
Styrene	95		93		70-130	2		30
Dichlorodifluoromethane	91		84		30-146	8		30
Acetone	115		106		54-140	8		30
Carbon disulfide	104		99		59-130	5		30
2-Butanone	95		94		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1501593
Report Date: 01/30/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,04-05,07-10 Batch: WG759458-1 WG759458-2								
Vinyl acetate	92		92		70-130	0		30
4-Methyl-2-pentanone	80		79		70-130	1		30
1,2,3-Trichloropropane	86		87		68-130	1		30
2-Hexanone	**61**	Q	**62**	Q	70-130	2		30
Bromochloromethane	117		115		70-130	2		30
2,2-Dichloropropane	104		98		70-130	6		30
1,2-Dibromoethane	92		92		70-130	0		30
1,3-Dichloropropane	93		93		69-130	0		30
1,1,1,2-Tetrachloroethane	95		92		70-130	3		30
Bromobenzene	93		92		70-130	1		30
n-Butylbenzene	96		92		70-130	4		30
sec-Butylbenzene	96		92		70-130	4		30
tert-Butylbenzene	92		90		70-130	2		30
o-Chlorotoluene	92		90		70-130	2		30
p-Chlorotoluene	90		89		70-130	1		30
1,2-Dibromo-3-chloropropane	**67**	Q	68		68-130	1		30
Hexachlorobutadiene	88		84		67-130	5		30
Isopropylbenzene	101		98		70-130	3		30
p-Isopropyltoluene	93		90		70-130	3		30
Naphthalene	86		86		70-130	0		30
Acrylonitrile	94		94		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1501593
Report Date: 01/30/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,04-05,07-10 Batch: WG759458-1 WG759458-2								
Isopropyl Ether	98		96		66-130	2		30
tert-Butyl Alcohol	81		82		70-130	1		30
n-Propylbenzene	92		89		70-130	3		30
1,2,3-Trichlorobenzene	92		92		70-130	0		30
1,2,4-Trichlorobenzene	92		91		70-130	1		30
1,3,5-Trimethylbenzene	91		90		70-130	1		30
1,2,4-Trimethylbenzene	90		88		70-130	2		30
Methyl Acetate	93		91		51-146	2		30
Ethyl Acetate	92		91		70-130	1		30
Acrolein	90		90		70-130	0		30
Cyclohexane	118		110		59-142	7		30
1,4-Dioxane	106		105		65-136	1		30
Freon-113	128		120		50-139	6		30
1,4-Diethylbenzene	114		108		70-130	5		30
4-Ethyltoluene	116		111		70-130	4		30
1,2,4,5-Tetramethylbenzene	106		103		70-130	3		30
Tetrahydrofuran	94		93		66-130	1		30
Ethyl ether	105		104		67-130	1		30
trans-1,4-Dichloro-2-butene	72		73		70-130	1		30
Methyl cyclohexane	121		114		70-130	6		30
Ethyl-Tert-Butyl-Ether	99		98		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 905 ELMWOOD AVE.

Project Number: 0136-014-002

Lab Number: L1501593

Report Date: 01/30/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,04-05,07-10 Batch: WG759458-1 WG759458-2								
Tertiary-Amyl Methyl Ether	97		96		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	85		86		70-130
Toluene-d8	87		87		70-130
4-Bromofluorobenzene	89		91		70-130
Dibromofluoromethane	100		100		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,04-05,07-10 QC Batch ID: WG759458-4 WG759458-5 QC Sample: L1501593-04
Client ID: SB-04 (8-10)

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Methylene chloride	ND	29.5	33	112		29	107		70-130	12		30
1,1-Dichloroethane	ND	29.5	34	114		30	110		70-130	11		30
Chloroform	ND	29.5	33	113		30	109		70-130	11		30
Carbon tetrachloride	ND	29.5	34	115		30	110		70-130	12		30
1,2-Dichloropropane	ND	29.5	32	108		29	106		70-130	10		30
Dibromochloromethane	ND	29.5	26	88		23	85		70-130	11		30
2-Chloroethylvinyl ether	ND	29.5	26J	87		23.J	82		70-130	13		30
1,1,2-Trichloroethane	ND	29.5	29	97		26	94		70-130	11		30
Tetrachloroethene	ND	29.5	33	111		28	102		70-130	16		30
Chlorobenzene	ND	29.5	30	103		26	97		70-130	14		30
Trichlorofluoromethane	ND	29.5	35	120		31	114		70-139	13		30
1,2-Dichloroethane	ND	29.5	31	106		28	104		70-130	10		30
1,1,1-Trichloroethane	ND	29.5	34	117		31	114		70-130	10		30
Bromodichloromethane	ND	29.5	30	102		27	99		70-130	11		30
trans-1,3-Dichloropropene	ND	29.5	25	85		23	83		70-130	10		30
cis-1,3-Dichloropropene	ND	29.5	29	99		26	97		70-130	10		30
1,1-Dichloropropene	ND	29.5	36	121		31	115		70-130	13		30
Bromoform	ND	29.5	22	75		20	74		70-130	10		30
1,1,2,2-Tetrachloroethane	ND	29.5	25	84		23	82		70-130	9		30
Benzene	ND	29.5	35	119		31	115		70-130	11		30
Toluene	ND	29.5	30	103		27	98		70-130	12		30

Matrix Spike Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,04-05,07-10 QC Batch ID: WG759458-4 WG759458-5 QC Sample: L1501593-04
Client ID: SB-04 (8-10)

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Ethylbenzene	2.0	29.5	32	102		28	94		70-130	14		30
Chloromethane	ND	29.5	30	102		27	98		52-130	12		30
Bromomethane	ND	29.5	44	**148**	Q	37	135		57-147	17		30
Vinyl chloride	ND	29.5	39	**132**	Q	35	127		67-130	12		30
Chloroethane	ND	29.5	45	151		39	143		50-151	13		30
1,1-Dichloroethene	ND	29.5	36	122		32	116		65-135	13		30
trans-1,2-Dichloroethene	ND	29.5	35	119		32	116		70-130	11		30
Trichloroethene	ND	29.5	37	124		33	119		70-130	12		30
1,2-Dichlorobenzene	ND	29.5	27	91		24	87		70-130	13		30
1,3-Dichlorobenzene	ND	29.5	28	95		24	88		70-130	15		30
1,4-Dichlorobenzene	ND	29.5	28	94		24	87		70-130	16		30
Methyl tert butyl ether	ND	29.5	28	96		26	94		66-130	9		30
p/m-Xylene	2.0	58.9	63	107		55	101		70-130	14		30
o-Xylene	0.21J	58.9	60	102		53	97		70-130	13		30
cis-1,2-Dichloroethene	ND	29.5	35	118		31	114		70-130	11		30
Dibromomethane	ND	29.5	30	103		28	101		70-130	9		30
Styrene	ND	58.9	57	97		50	91		70-130	13		30
Dichlorodifluoromethane	ND	29.5	27	92		24	88		30-146	13		30
Acetone	12	29.5	40	95		37	91		54-140	8		30
Carbon disulfide	ND	29.5	33	111		29	106		59-130	11		30
2-Butanone	12	29.5	33	70		29	**60**	Q	70-130	14		30

Matrix Spike Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,04-05,07-10 QC Batch ID: WG759458-4 WG759458-5 QC Sample: L1501593-04 Client ID: SB-04 (8-10)												
Vinyl acetate	ND	29.5	24	82		23	83		70-130	7		30
4-Methyl-2-pentanone	ND	29.5	23	79		21	77		70-130	10		30
1,2,3-Trichloropropane	ND	29.5	26	86		23	84		68-130	10		30
2-Hexanone	ND	29.5	19	**64**	Q	17	**63**	Q	70-130	10		30
Bromochloromethane	ND	29.5	34	115		30	110		70-130	12		30
2,2-Dichloropropane	ND	29.5	33	111		29	106		70-130	13		30
1,2-Dibromoethane	ND	29.5	27	91		24	88		70-130	11		30
1,3-Dichloropropane	ND	29.5	28	94		25	92		69-130	10		30
1,1,1,2-Tetrachloroethane	ND	29.5	28	95		25	92		70-130	11		30
Bromobenzene	ND	29.5	27	90		24	86		70-130	12		30
n-Butylbenzene	ND	29.5	29	99		24	89		70-130	18		30
sec-Butylbenzene	0.27J	29.5	29	99		25	92		70-130	16		30
tert-Butylbenzene	ND	29.5	28	95		24	89		70-130	15		30
o-Chlorotoluene	ND	29.5	28	96		25	90		70-130	14		30
p-Chlorotoluene	ND	29.5	28	94		24	87		70-130	15		30
1,2-Dibromo-3-chloropropane	ND	29.5	19	**66**	Q	17	**63**	Q	68-130	12		30
Hexachlorobutadiene	ND	29.5	23	77		19	68		67-130	20		30
Isopropylbenzene	0.25J	29.5	32	108		27	100		70-130	15		30
p-Isopropyltoluene	ND	29.5	28	96		24	87		70-130	17		30
Naphthalene	ND	29.5	24	81		21	76		70-130	13		30
Acrylonitrile	ND	29.5	29	99		25	93		70-130	14		30

Matrix Spike Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,04-05,07-10 QC Batch ID: WG759458-4 WG759458-5 QC Sample: L1501593-04
Client ID: SB-04 (8-10)

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Isopropyl Ether	ND	29.5	30	102		28	101		66-130	9		30
tert-Butyl Alcohol	3.6J	147	110	77		100	76		70-130	8		30
n-Propylbenzene	0.49J	29.5	29	99		25	92		70-130	16		30
1,2,3-Trichlorobenzene	ND	29.5	25	84		21	77		70-130	16		30
1,2,4-Trichlorobenzene	ND	29.5	25	86		21	77		70-130	18		30
1,3,5-Trimethylbenzene	ND	29.5	28	96		24	88		70-130	16		30
1,2,4-Trimethylbenzene	1.6J	29.5	29	100		25	92		70-130	15		30
Methyl Acetate	ND	29.5	27J	91		25.J	92		51-146	7		30
Ethyl Acetate	ND	29.5	26J	90		26.J	94		70-130	3		30
Acrolein	ND	29.5	31J	105		23.J	84		70-130	30		30
Cyclohexane	5.7J	29.5	37	126		31	113		59-142	19		30
1,4-Dioxane	ND	1470	1300	89		1300	92		65-136	5		30
Freon-113	ND	29.5	36	122		31	114		50-139	14		30
1,4-Diethylbenzene	1.8J	29.5	35	119		30	110		70-130	15		30
4-Ethyltoluene	0.82J	29.5	36	122		31	113		70-130	15		30
1,2,4,5-Tetramethylbenzene	0.61J	29.5	32	109		27	98		70-130	18		30
Tetrahydrofuran	ND	29.5	29J	98		25.J	93		66-130	13		30
Ethyl ether	ND	29.5	30	101		28	101		67-130	8		30
trans-1,4-Dichloro-2-butene	ND	29.5	22	74		20	72		70-130	10		30
Methyl cyclohexane	5.4	29.5	36	102		30	89		70-130	18		30
Ethyl-Tert-Butyl-Ether	ND	29.5	29	99		27	97		70-130	10		30

Matrix Spike Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,04-05,07-10 QC Batch ID: WG759458-4 WG759458-5 QC Sample: L1501593-04 Client ID: SB-04 (8-10)												
Tertiary-Amyl Methyl Ether	ND	29.5	28	96		26	94		70-130	9		30

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		90		70-130
4-Bromofluorobenzene	92		92		70-130
Dibromofluoromethane	100		101		70-130
Toluene-d8	88		87		70-130

SEMIVOLATILES

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

SAMPLE RESULTS

Lab ID:	L1501593-02	Date Collected:	01/22/15 16:10
Client ID:	SB-02 (6-8)	Date Received:	01/23/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	01/28/15 20:53
Analytical Date:	01/29/15 23:23		
Analyst:	AS		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	38.	1
Hexachlorobenzene	ND		ug/kg	110	34.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	51.	1
2-Chloronaphthalene	ND		ug/kg	180	59.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	39.	1
2,6-Dinitrotoluene	ND		ug/kg	180	47.	1
Fluoranthene	ND		ug/kg	110	33.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	55.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	42.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	64.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	55.	1
Hexachlorobutadiene	ND		ug/kg	180	51.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	120	1
Hexachloroethane	ND		ug/kg	140	33.	1
Isophorone	ND		ug/kg	160	48.	1
Naphthalene	ND		ug/kg	180	60.	1
Nitrobenzene	ND		ug/kg	160	43.	1
NDPA/DPA	ND		ug/kg	140	38.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	54.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	48.	1
Butyl benzyl phthalate	ND		ug/kg	180	36.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	45.	1
Diethyl phthalate	ND		ug/kg	180	38.	1
Dimethyl phthalate	ND		ug/kg	180	46.	1
Benzo(a)anthracene	ND		ug/kg	110	36.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	37.	1
Benzo(k)fluoranthene	ND		ug/kg	110	35.	1

Project Name: 905 ELMWOOD AVE. **Lab Number:** L1501593

Project Number: 0136-014-002 **Report Date:** 01/30/15

SAMPLE RESULTS

Lab ID: L1501593-02 Date Collected: 01/22/15 16:10

Client ID: SB-02 (6-8) Date Received: 01/23/15

Sample Location: BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	ND		ug/kg	110	36.	1
Acenaphthylene	ND		ug/kg	140	34.	1
Anthracene	ND		ug/kg	110	30.	1
Benzo(ghi)perylene	ND		ug/kg	140	38.	1
Fluorene	ND		ug/kg	180	52.	1
Phenanthrene	ND		ug/kg	110	36.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	35.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	40.	1
Pyrene	ND		ug/kg	110	35.	1
Biphenyl	ND		ug/kg	420	60.	1
4-Chloroaniline	ND		ug/kg	180	48.	1
2-Nitroaniline	ND		ug/kg	180	51.	1
3-Nitroaniline	ND		ug/kg	180	50.	1
4-Nitroaniline	ND		ug/kg	180	49.	1
Dibenzofuran	ND		ug/kg	180	61.	1
2-Methylnaphthalene	ND		ug/kg	220	58.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	56.	1
Acetophenone	ND		ug/kg	180	56.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	53.	1
2-Chlorophenol	ND		ug/kg	180	55.	1
2,4-Dichlorophenol	ND		ug/kg	160	59.	1
2,4-Dimethylphenol	ND		ug/kg	180	54.	1
2-Nitrophenol	ND		ug/kg	390	57.	1
4-Nitrophenol	ND		ug/kg	260	59.	1
2,4-Dinitrophenol	ND		ug/kg	870	250	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	67.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	54.	1
2-Methylphenol	ND		ug/kg	180	59.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	60.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	59.	1
Carbazole	ND		ug/kg	180	39.	1
Benzaldehyde	ND		ug/kg	240	74.	1
Caprolactam	ND		ug/kg	180	50.	1
Atrazine	ND		ug/kg	140	41.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	31.	1

Project Name: 905 ELMWOOD AVE. **Lab Number:** L1501593

Project Number: 0136-014-002 **Report Date:** 01/30/15

SAMPLE RESULTS

Lab ID:	L1501593-02	Date Collected:	01/22/15 16:10
Client ID:	SB-02 (6-8)	Date Received:	01/23/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	105		25-120
Phenol-d6	113		10-120
Nitrobenzene-d5	114		23-120
2-Fluorobiphenyl	106		30-120
2,4,6-Tribromophenol	117		10-136
4-Terphenyl-d14	106		18-120

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

SAMPLE RESULTS

Lab ID:	L1501593-04	Date Collected:	01/22/15 11:00
Client ID:	SB-04 (8-10)	Date Received:	01/23/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	01/28/15 20:53
Analytical Date:	01/29/15 23:51		
Analyst:	AS		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	38.	1
Hexachlorobenzene	ND		ug/kg	110	34.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	51.	1
2-Chloronaphthalene	ND		ug/kg	180	60.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	40.	1
2,6-Dinitrotoluene	ND		ug/kg	180	47.	1
Fluoranthene	ND		ug/kg	110	34.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	56.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	42.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	65.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	56.	1
Hexachlorobutadiene	ND		ug/kg	180	52.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	120	1
Hexachloroethane	ND		ug/kg	150	33.	1
Isophorone	ND		ug/kg	160	49.	1
Naphthalene	ND		ug/kg	180	61.	1
Nitrobenzene	ND		ug/kg	160	44.	1
NDPA/DPA	ND		ug/kg	150	38.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	55.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	48.	1
Butyl benzyl phthalate	ND		ug/kg	180	36.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	45.	1
Diethyl phthalate	ND		ug/kg	180	39.	1
Dimethyl phthalate	ND		ug/kg	180	47.	1
Benzo(a)anthracene	ND		ug/kg	110	36.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	ND		ug/kg	110	37.	1
Benzo(k)fluoranthene	ND		ug/kg	110	35.	1

Project Name: 905 ELMWOOD AVE. **Lab Number:** L1501593

Project Number: 0136-014-002 **Report Date:** 01/30/15

SAMPLE RESULTS

Lab ID: L1501593-04 Date Collected: 01/22/15 11:00

Client ID: SB-04 (8-10) Date Received: 01/23/15

Sample Location: BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	ND		ug/kg	110	36.	1
Acenaphthylene	ND		ug/kg	150	34.	1
Anthracene	ND		ug/kg	110	30.	1
Benzo(ghi)perylene	ND		ug/kg	150	38.	1
Fluorene	ND		ug/kg	180	53.	1
Phenanthrene	ND		ug/kg	110	36.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	36.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	41.	1
Pyrene	ND		ug/kg	110	36.	1
Biphenyl	ND		ug/kg	420	60.	1
4-Chloroaniline	ND		ug/kg	180	48.	1
2-Nitroaniline	ND		ug/kg	180	52.	1
3-Nitroaniline	ND		ug/kg	180	51.	1
4-Nitroaniline	ND		ug/kg	180	50.	1
Dibenzofuran	ND		ug/kg	180	61.	1
2-Methylnaphthalene	ND		ug/kg	220	59.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	57.	1
Acetophenone	ND		ug/kg	180	57.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	53.	1
2-Chlorophenol	ND		ug/kg	180	55.	1
2,4-Dichlorophenol	ND		ug/kg	160	59.	1
2,4-Dimethylphenol	ND		ug/kg	180	55.	1
2-Nitrophenol	ND		ug/kg	400	57.	1
4-Nitrophenol	ND		ug/kg	260	59.	1
2,4-Dinitrophenol	ND		ug/kg	880	250	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	67.	1
Pentachlorophenol	ND		ug/kg	150	39.	1
Phenol	ND		ug/kg	180	54.	1
2-Methylphenol	ND		ug/kg	180	59.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	60.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	59.	1
Carbazole	ND		ug/kg	180	39.	1
Benzaldehyde	ND		ug/kg	240	74.	1
Caprolactam	ND		ug/kg	180	51.	1
Atrazine	ND		ug/kg	150	42.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	31.	1

Project Name: 905 ELMWOOD AVE. **Lab Number:** L1501593

Project Number: 0136-014-002 **Report Date:** 01/30/15

SAMPLE RESULTS

Lab ID:	L1501593-04	Date Collected:	01/22/15 11:00
Client ID:	SB-04 (8-10)	Date Received:	01/23/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	100		25-120
Phenol-d6	103		10-120
Nitrobenzene-d5	107		23-120
2-Fluorobiphenyl	94		30-120
2,4,6-Tribromophenol	109		10-136
4-Terphenyl-d14	101		18-120

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

SAMPLE RESULTS

Lab ID:	L1501593-05	Date Collected:	01/22/15 13:56
Client ID:	SB-05 (5-7)	Date Received:	01/23/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	01/28/15 20:53
Analytical Date:	01/30/15 00:19		
Analyst:	AS		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	39.	1
Hexachlorobenzene	ND		ug/kg	110	35.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	53.	1
2-Chloronaphthalene	ND		ug/kg	190	62.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	41.	1
2,6-Dinitrotoluene	ND		ug/kg	190	48.	1
Fluoranthene	ND		ug/kg	110	35.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	57.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	43.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	66.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	57.	1
Hexachlorobutadiene	ND		ug/kg	190	53.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	120	1
Hexachloroethane	ND		ug/kg	150	34.	1
Isophorone	ND		ug/kg	170	50.	1
Naphthalene	ND		ug/kg	190	63.	1
Nitrobenzene	ND		ug/kg	170	45.	1
NDPA/DPA	ND		ug/kg	150	40.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	56.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	49.	1
Butyl benzyl phthalate	ND		ug/kg	190	37.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	46.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	48.	1
Benzo(a)anthracene	ND		ug/kg	110	37.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	38.	1
Benzo(k)fluoranthene	ND		ug/kg	110	36.	1

Project Name: 905 ELMWOOD AVE. **Lab Number:** L1501593

Project Number: 0136-014-002 **Report Date:** 01/30/15

SAMPLE RESULTS

Lab ID: L1501593-05 Date Collected: 01/22/15 13:56

Client ID: SB-05 (5-7) Date Received: 01/23/15

Sample Location: BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	ND		ug/kg	110	37.	1
Acenaphthylene	ND		ug/kg	150	35.	1
Anthracene	ND		ug/kg	110	31.	1
Benzo(ghi)perylene	ND		ug/kg	150	39.	1
Fluorene	ND		ug/kg	190	54.	1
Phenanthrene	ND		ug/kg	110	37.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	36.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	42.	1
Pyrene	ND		ug/kg	110	37.	1
Biphenyl	ND		ug/kg	430	62.	1
4-Chloroaniline	ND		ug/kg	190	50.	1
2-Nitroaniline	ND		ug/kg	190	53.	1
3-Nitroaniline	ND		ug/kg	190	52.	1
4-Nitroaniline	ND		ug/kg	190	51.	1
Dibenzofuran	ND		ug/kg	190	63.	1
2-Methylnaphthalene	ND		ug/kg	230	60.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	58.	1
Acetophenone	ND		ug/kg	190	58.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	55.	1
2-Chlorophenol	ND		ug/kg	190	57.	1
2,4-Dichlorophenol	ND		ug/kg	170	61.	1
2,4-Dimethylphenol	ND		ug/kg	190	56.	1
2-Nitrophenol	ND		ug/kg	410	59.	1
4-Nitrophenol	ND		ug/kg	260	61.	1
2,4-Dinitrophenol	ND		ug/kg	910	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	69.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	190	56.	1
2-Methylphenol	ND		ug/kg	190	61.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	62.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	61.	1
Carbazole	ND		ug/kg	190	41.	1
Benzaldehyde	ND		ug/kg	250	76.	1
Caprolactam	ND		ug/kg	190	52.	1
Atrazine	ND		ug/kg	150	43.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	32.	1

Project Name: 905 ELMWOOD AVE. **Lab Number:** L1501593

Project Number: 0136-014-002 **Report Date:** 01/30/15

SAMPLE RESULTS

Lab ID:	L1501593-05	Date Collected:	01/22/15 13:56
Client ID:	SB-05 (5-7)	Date Received:	01/23/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	99		25-120
Phenol-d6	101		10-120
Nitrobenzene-d5	110		23-120
2-Fluorobiphenyl	98		30-120
2,4,6-Tribromophenol	103		10-136
4-Terphenyl-d14	100		18-120

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

SAMPLE RESULTS

Lab ID:	L1501593-06	Date Collected:	01/22/15 10:41
Client ID:	SB-06 (4.5-6.5)	Date Received:	01/23/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	01/28/15 20:53
Analytical Date:	01/30/15 00:46		
Analyst:	AS		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	40.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	55.	1
2-Chloronaphthalene	ND		ug/kg	200	64.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	42.	1
2,6-Dinitrotoluene	ND		ug/kg	200	50.	1
Fluoranthene	ND		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	60.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	45.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	69.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	59.	1
Hexachlorobutadiene	ND		ug/kg	200	55.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	120	1
Hexachloroethane	ND		ug/kg	160	36.	1
Isophorone	ND		ug/kg	180	52.	1
Naphthalene	5000		ug/kg	200	65.	1
Nitrobenzene	ND		ug/kg	180	46.	1
NDPA/DPA	ND		ug/kg	160	41.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	58.	1
Bis(2-ethylhexyl)phthalate	220		ug/kg	200	51.	1
Butyl benzyl phthalate	ND		ug/kg	200	38.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	48.	1
Diethyl phthalate	ND		ug/kg	200	41.	1
Dimethyl phthalate	ND		ug/kg	200	50.	1
Benzo(a)anthracene	ND		ug/kg	120	38.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	ND		ug/kg	120	40.	1
Benzo(k)fluoranthene	ND		ug/kg	120	37.	1

Project Name: 905 ELMWOOD AVE. **Lab Number:** L1501593

Project Number: 0136-014-002 **Report Date:** 01/30/15

SAMPLE RESULTS

Lab ID: L1501593-06 Date Collected: 01/22/15 10:41

Client ID: SB-06 (4.5-6.5) Date Received: 01/23/15

Sample Location: BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	ND		ug/kg	120	38.	1
Acenaphthylene	ND		ug/kg	160	36.	1
Anthracene	ND		ug/kg	120	32.	1
Benzo(ghi)perylene	ND		ug/kg	160	41.	1
Fluorene	ND		ug/kg	200	56.	1
Phenanthrene	72	J	ug/kg	120	38.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	38.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	43.	1
Pyrene	ND		ug/kg	120	38.	1
Biphenyl	74	J	ug/kg	450	64.	1
4-Chloroaniline	ND		ug/kg	200	52.	1
2-Nitroaniline	ND		ug/kg	200	55.	1
3-Nitroaniline	ND		ug/kg	200	54.	1
4-Nitroaniline	ND		ug/kg	200	53.	1
Dibenzofuran	ND		ug/kg	200	65.	1
2-Methylnaphthalene	5900		ug/kg	230	62.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	61.	1
Acetophenone	ND		ug/kg	200	61.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	200	57.	1
2-Chlorophenol	ND		ug/kg	200	59.	1
2,4-Dichlorophenol	ND		ug/kg	180	63.	1
2,4-Dimethylphenol	ND		ug/kg	200	58.	1
2-Nitrophenol	ND		ug/kg	420	61.	1
4-Nitrophenol	ND		ug/kg	270	63.	1
2,4-Dinitrophenol	ND		ug/kg	940	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	72.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	200	58.	1
2-Methylphenol	ND		ug/kg	200	63.	1
3-Methylphenol/4-Methylphenol	88	J	ug/kg	280	64.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	63.	1
Carbazole	ND		ug/kg	200	42.	1
Benzaldehyde	ND		ug/kg	260	79.	1
Caprolactam	ND		ug/kg	200	54.	1
Atrazine	ND		ug/kg	160	44.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	33.	1

Project Name: 905 ELMWOOD AVE. **Lab Number:** L1501593

Project Number: 0136-014-002 **Report Date:** 01/30/15

SAMPLE RESULTS

Lab ID:	L1501593-06	Date Collected:	01/22/15 10:41
Client ID:	SB-06 (4.5-6.5)	Date Received:	01/23/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	110		25-120
Phenol-d6	113		10-120
Nitrobenzene-d5	**124**	Q	23-120
2-Fluorobiphenyl	102		30-120
2,4,6-Tribromophenol	109		10-136
4-Terphenyl-d14	107		18-120

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

SAMPLE RESULTS

Lab ID:	L1501593-07	Date Collected:	01/22/15 09:31
Client ID:	SB-07 (6-8)	Date Received:	01/23/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	01/28/15 20:53
Analytical Date:	01/30/15 01:14		
Analyst:	AS		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	39.	1
Hexachlorobenzene	ND		ug/kg	110	35.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	53.	1
2-Chloronaphthalene	ND		ug/kg	190	61.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	41.	1
2,6-Dinitrotoluene	ND		ug/kg	190	48.	1
Fluoranthene	ND		ug/kg	110	34.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	57.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	43.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	66.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	57.	1
Hexachlorobutadiene	ND		ug/kg	190	53.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	120	1
Hexachloroethane	ND		ug/kg	150	34.	1
Isophorone	ND		ug/kg	170	50.	1
Naphthalene	ND		ug/kg	190	62.	1
Nitrobenzene	ND		ug/kg	170	45.	1
NDPA/DPA	ND		ug/kg	150	40.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	56.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	49.	1
Butyl benzyl phthalate	ND		ug/kg	190	37.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	46.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	48.	1
Benzo(a)anthracene	ND		ug/kg	110	37.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	38.	1
Benzo(k)fluoranthene	ND		ug/kg	110	36.	1

Project Name: 905 ELMWOOD AVE. **Lab Number:** L1501593

Project Number: 0136-014-002 **Report Date:** 01/30/15

SAMPLE RESULTS

Lab ID: L1501593-07 Date Collected: 01/22/15 09:31

Client ID: SB-07 (6-8) Date Received: 01/23/15

Sample Location: BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	ND		ug/kg	110	37.	1
Acenaphthylene	ND		ug/kg	150	35.	1
Anthracene	ND		ug/kg	110	31.	1
Benzo(ghi)perylene	ND		ug/kg	150	39.	1
Fluorene	ND		ug/kg	190	54.	1
Phenanthrene	ND		ug/kg	110	37.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	36.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	42.	1
Pyrene	ND		ug/kg	110	37.	1
Biphenyl	ND		ug/kg	430	62.	1
4-Chloroaniline	ND		ug/kg	190	50.	1
2-Nitroaniline	ND		ug/kg	190	53.	1
3-Nitroaniline	ND		ug/kg	190	52.	1
4-Nitroaniline	ND		ug/kg	190	51.	1
Dibenzofuran	ND		ug/kg	190	63.	1
2-Methylnaphthalene	ND		ug/kg	220	60.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	58.	1
Acetophenone	ND		ug/kg	190	58.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	55.	1
2-Chlorophenol	ND		ug/kg	190	57.	1
2,4-Dichlorophenol	ND		ug/kg	170	61.	1
2,4-Dimethylphenol	ND		ug/kg	190	56.	1
2-Nitrophenol	ND		ug/kg	410	59.	1
4-Nitrophenol	ND		ug/kg	260	61.	1
2,4-Dinitrophenol	ND		ug/kg	900	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	69.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	190	56.	1
2-Methylphenol	ND		ug/kg	190	61.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	62.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	61.	1
Carbazole	ND		ug/kg	190	40.	1
Benzaldehyde	ND		ug/kg	250	76.	1
Caprolactam	ND		ug/kg	190	52.	1
Atrazine	ND		ug/kg	150	43.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	32.	1

Project Name: 905 ELMWOOD AVE. **Lab Number:** L1501593

Project Number: 0136-014-002 **Report Date:** 01/30/15

SAMPLE RESULTS

Lab ID:	L1501593-07	Date Collected:	01/22/15 09:31
Client ID:	SB-07 (6-8)	Date Received:	01/23/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		25-120
Phenol-d6	86		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	94		10-136
4-Terphenyl-d14	86		18-120

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

SAMPLE RESULTS

Lab ID:	L1501593-08	Date Collected:	01/22/15 14:54
Client ID:	SB-08 (5-7)	Date Received:	01/23/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	01/28/15 20:53
Analytical Date:	01/30/15 01:42		
Analyst:	AS		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	38.	1
Hexachlorobenzene	ND		ug/kg	110	35.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	52.	1
2-Chloronaphthalene	ND		ug/kg	190	61.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	40.	1
2,6-Dinitrotoluene	ND		ug/kg	190	48.	1
Fluoranthene	ND		ug/kg	110	34.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	57.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	43.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	66.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	56.	1
Hexachlorobutadiene	ND		ug/kg	190	53.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	120	1
Hexachloroethane	ND		ug/kg	150	34.	1
Isophorone	ND		ug/kg	170	50.	1
Naphthalene	ND		ug/kg	190	62.	1
Nitrobenzene	ND		ug/kg	170	44.	1
NDPA/DPA	ND		ug/kg	150	39.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	56.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	49.	1
Butyl benzyl phthalate	ND		ug/kg	190	36.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	46.	1
Diethyl phthalate	ND		ug/kg	190	39.	1
Dimethyl phthalate	ND		ug/kg	190	47.	1
Benzo(a)anthracene	ND		ug/kg	110	36.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	38.	1
Benzo(k)fluoranthene	ND		ug/kg	110	36.	1

Project Name: 905 ELMWOOD AVE. **Lab Number:** L1501593

Project Number: 0136-014-002 **Report Date:** 01/30/15

SAMPLE RESULTS

Lab ID: L1501593-08 Date Collected: 01/22/15 14:54

Client ID: SB-08 (5-7) Date Received: 01/23/15

Sample Location: BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	ND		ug/kg	110	37.	1
Acenaphthylene	ND		ug/kg	150	35.	1
Anthracene	ND		ug/kg	110	31.	1
Benzo(ghi)perylene	ND		ug/kg	150	39.	1
Fluorene	ND		ug/kg	190	53.	1
Phenanthrene	ND		ug/kg	110	36.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	36.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	41.	1
Pyrene	ND		ug/kg	110	36.	1
Biphenyl	ND		ug/kg	420	62.	1
4-Chloroaniline	ND		ug/kg	190	49.	1
2-Nitroaniline	ND		ug/kg	190	53.	1
3-Nitroaniline	ND		ug/kg	190	52.	1
4-Nitroaniline	ND		ug/kg	190	50.	1
Dibenzofuran	ND		ug/kg	190	62.	1
2-Methylnaphthalene	ND		ug/kg	220	60.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	58.	1
Acetophenone	ND		ug/kg	190	58.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	190	54.	1
2-Chlorophenol	ND		ug/kg	190	56.	1
2,4-Dichlorophenol	ND		ug/kg	170	60.	1
2,4-Dimethylphenol	ND		ug/kg	190	56.	1
2-Nitrophenol	ND		ug/kg	400	58.	1
4-Nitrophenol	ND		ug/kg	260	60.	1
2,4-Dinitrophenol	ND		ug/kg	900	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	68.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	190	55.	1
2-Methylphenol	ND		ug/kg	190	60.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	61.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	60.	1
Carbazole	ND		ug/kg	190	40.	1
Benzaldehyde	ND		ug/kg	250	75.	1
Caprolactam	ND		ug/kg	190	52.	1
Atrazine	ND		ug/kg	150	42.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	32.	1

Project Name: 905 ELMWOOD AVE. **Lab Number:** L1501593

Project Number: 0136-014-002 **Report Date:** 01/30/15

SAMPLE RESULTS

Lab ID: L1501593-08 Date Collected: 01/22/15 14:54

Client ID: SB-08 (5-7) Date Received: 01/23/15

Sample Location: BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	104		25-120
Phenol-d6	106		10-120
Nitrobenzene-d5	109		23-120
2-Fluorobiphenyl	100		30-120
2,4,6-Tribromophenol	111		10-136
4-Terphenyl-d14	99		18-120

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

SAMPLE RESULTS

Lab ID:	L1501593-09	Date Collected:	01/22/15 15:17
Client ID:	SB-09 (4.5-6.5)	Date Received:	01/23/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	01/28/15 20:53
Analytical Date:	01/30/15 02:09		
Analyst:	AS		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	38.	1
Hexachlorobenzene	ND		ug/kg	110	35.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	52.	1
2-Chloronaphthalene	ND		ug/kg	190	61.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	40.	1
2,6-Dinitrotoluene	ND		ug/kg	190	48.	1
Fluoranthene	ND		ug/kg	110	34.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	57.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	43.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	66.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	57.	1
Hexachlorobutadiene	ND		ug/kg	190	53.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	120	1
Hexachloroethane	ND		ug/kg	150	34.	1
Isophorone	ND		ug/kg	170	50.	1
Naphthalene	ND		ug/kg	190	62.	1
Nitrobenzene	ND		ug/kg	170	44.	1
NDPA/DPA	ND		ug/kg	150	39.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	56.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	49.	1
Butyl benzyl phthalate	ND		ug/kg	190	36.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	46.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	48.	1
Benzo(a)anthracene	ND		ug/kg	110	37.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	38.	1
Benzo(k)fluoranthene	ND		ug/kg	110	36.	1

Project Name: 905 ELMWOOD AVE. **Lab Number:** L1501593

Project Number: 0136-014-002 **Report Date:** 01/30/15

SAMPLE RESULTS

Lab ID: L1501593-09 Date Collected: 01/22/15 15:17

Client ID: SB-09 (4.5-6.5) Date Received: 01/23/15

Sample Location: BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	ND		ug/kg	110	37.	1
Acenaphthylene	ND		ug/kg	150	35.	1
Anthracene	ND		ug/kg	110	31.	1
Benzo(ghi)perylene	ND		ug/kg	150	39.	1
Fluorene	ND		ug/kg	190	54.	1
Phenanthrene	ND		ug/kg	110	37.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	36.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	42.	1
Pyrene	ND		ug/kg	110	36.	1
Biphenyl	ND		ug/kg	430	62.	1
4-Chloroaniline	ND		ug/kg	190	49.	1
2-Nitroaniline	ND		ug/kg	190	53.	1
3-Nitroaniline	ND		ug/kg	190	52.	1
4-Nitroaniline	ND		ug/kg	190	50.	1
Dibenzofuran	ND		ug/kg	190	62.	1
2-Methylnaphthalene	ND		ug/kg	220	60.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	58.	1
Acetophenone	ND		ug/kg	190	58.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	190	54.	1
2-Chlorophenol	ND		ug/kg	190	56.	1
2,4-Dichlorophenol	ND		ug/kg	170	61.	1
2,4-Dimethylphenol	ND		ug/kg	190	56.	1
2-Nitrophenol	ND		ug/kg	400	58.	1
4-Nitrophenol	ND		ug/kg	260	61.	1
2,4-Dinitrophenol	ND		ug/kg	900	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	68.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	190	55.	1
2-Methylphenol	ND		ug/kg	190	60.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	61.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	61.	1
Carbazole	ND		ug/kg	190	40.	1
Benzaldehyde	ND		ug/kg	250	76.	1
Caprolactam	ND		ug/kg	190	52.	1
Atrazine	ND		ug/kg	150	42.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	32.	1

Project Name: 905 ELMWOOD AVE. **Lab Number:** L1501593

Project Number: 0136-014-002 **Report Date:** 01/30/15

SAMPLE RESULTS

Lab ID:	L1501593-09	Date Collected:	01/22/15 15:17
Client ID:	SB-09 (4.5-6.5)	Date Received:	01/23/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	90		25-120
Phenol-d6	96		10-120
Nitrobenzene-d5	99		23-120
2-Fluorobiphenyl	91		30-120
2,4,6-Tribromophenol	104		10-136
4-Terphenyl-d14	92		18-120

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

SAMPLE RESULTS

Lab ID:	L1501593-10	Date Collected:	01/22/15 00:00
Client ID:	BLIND DUP #1	Date Received:	01/23/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	01/28/15 20:53
Analytical Date:	01/30/15 02:37		
Analyst:	AS		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	40.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	54.	1
2-Chloronaphthalene	ND		ug/kg	190	63.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	42.	1
2,6-Dinitrotoluene	ND		ug/kg	190	49.	1
Fluoranthene	ND		ug/kg	120	35.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	58.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	44.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	68.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	58.	1
Hexachlorobutadiene	ND		ug/kg	190	54.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	120	1
Hexachloroethane	ND		ug/kg	150	35.	1
Isophorone	ND		ug/kg	170	51.	1
Naphthalene	ND		ug/kg	190	64.	1
Nitrobenzene	ND		ug/kg	170	46.	1
NDPA/DPA	ND		ug/kg	150	40.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	57.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	50.	1
Butyl benzyl phthalate	ND		ug/kg	190	38.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	47.	1
Diethyl phthalate	ND		ug/kg	190	41.	1
Dimethyl phthalate	ND		ug/kg	190	49.	1
Benzo(a)anthracene	ND		ug/kg	120	38.	1
Benzo(a)pyrene	ND		ug/kg	150	47.	1
Benzo(b)fluoranthene	ND		ug/kg	120	39.	1
Benzo(k)fluoranthene	ND		ug/kg	120	37.	1

Project Name: 905 ELMWOOD AVE. **Lab Number:** L1501593

Project Number: 0136-014-002 **Report Date:** 01/30/15

SAMPLE RESULTS

Lab ID: L1501593-10 Date Collected: 01/22/15 00:00

Client ID: BLIND DUP #1 Date Received: 01/23/15

Sample Location: BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	ND		ug/kg	120	38.	1
Acenaphthylene	ND		ug/kg	150	36.	1
Anthracene	ND		ug/kg	120	32.	1
Benzo(ghi)perylene	ND		ug/kg	150	40.	1
Fluorene	ND		ug/kg	190	55.	1
Phenanthrene	ND		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	37.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	43.	1
Pyrene	ND		ug/kg	120	37.	1
Biphenyl	ND		ug/kg	440	63.	1
4-Chloroaniline	ND		ug/kg	190	51.	1
2-Nitroaniline	ND		ug/kg	190	54.	1
3-Nitroaniline	ND		ug/kg	190	53.	1
4-Nitroaniline	ND		ug/kg	190	52.	1
Dibenzofuran	ND		ug/kg	190	64.	1
2-Methylnaphthalene	ND		ug/kg	230	61.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	60.	1
Acetophenone	ND		ug/kg	190	60.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	56.	1
2-Chlorophenol	ND		ug/kg	190	58.	1
2,4-Dichlorophenol	ND		ug/kg	170	62.	1
2,4-Dimethylphenol	ND		ug/kg	190	57.	1
2-Nitrophenol	ND		ug/kg	420	60.	1
4-Nitrophenol	ND		ug/kg	270	62.	1
2,4-Dinitrophenol	ND		ug/kg	920	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	70.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	57.	1
2-Methylphenol	ND		ug/kg	190	62.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	63.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	62.	1
Carbazole	ND		ug/kg	190	41.	1
Benzaldehyde	ND		ug/kg	250	78.	1
Caprolactam	ND		ug/kg	190	53.	1
Atrazine	ND		ug/kg	150	44.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	33.	1

Project Name: 905 ELMWOOD AVE. **Lab Number:** L1501593

Project Number: 0136-014-002 **Report Date:** 01/30/15

SAMPLE RESULTS

Lab ID:	L1501593-10	Date Collected:	01/22/15 00:00
Client ID:	BLIND DUP #1	Date Received:	01/23/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	101		25-120
Phenol-d6	104		10-120
Nitrobenzene-d5	108		23-120
2-Fluorobiphenyl	95		30-120
2,4,6-Tribromophenol	104		10-136
4-Terphenyl-d14	95		18-120

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1501593
Report Date: 01/30/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 01/29/15 19:43
Analyst: AS

Extraction Method: EPA 3546
Extraction Date: 01/28/15 20:53

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04-10 Batch: WG759014-1					
Acenaphthene	ND		ug/kg	130	34.
Hexachlorobenzene	ND		ug/kg	98	30.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	53.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	98	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	49.
4-Bromophenyl phenyl ether	ND		ug/kg	160	37.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	57.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	49.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	470	100
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	43.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	150	39.
NDPA/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	48.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	34.
Dimethyl phthalate	ND		ug/kg	160	41.
Benzo(a)anthracene	ND		ug/kg	98	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	33.

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1501593
Report Date: 01/30/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 01/29/15 19:43
Analyst: AS

Extraction Method: EPA 3546
Extraction Date: 01/28/15 20:53

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04-10 Batch: WG759014-1					
Benzo(k)fluoranthene	ND		ug/kg	98	31.
Chrysene	ND		ug/kg	98	32.
Acenaphthylene	ND		ug/kg	130	30.
Anthracene	ND		ug/kg	98	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	98	32.
Dibenzo(a,h)anthracene	ND		ug/kg	98	32.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	98	32.
Biphenyl	ND		ug/kg	370	54.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	54.
2-Methylnaphthalene	ND		ug/kg	200	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	50.
Acetophenone	ND		ug/kg	160	50.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	47.
2-Chlorophenol	ND		ug/kg	160	49.
2,4-Dichlorophenol	ND		ug/kg	150	53.
2,4-Dimethylphenol	ND		ug/kg	160	48.
2-Nitrophenol	ND		ug/kg	350	51.
4-Nitrophenol	ND		ug/kg	230	53.
2,4-Dinitrophenol	ND		ug/kg	780	220
4,6-Dinitro-o-cresol	ND		ug/kg	420	60.
Pentachlorophenol	ND		ug/kg	130	35.

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1501593
Report Date: 01/30/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 01/29/15 19:43
Analyst: AS

Extraction Method: EPA 3546
Extraction Date: 01/28/15 20:53

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04-10 Batch: WG759014-1					
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	52.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	53.
2,4,5-Trichlorophenol	ND		ug/kg	160	53.
Carbazole	ND		ug/kg	160	35.
Benzaldehyde	ND		ug/kg	210	66.
Caprolactam	ND		ug/kg	160	45.
Atrazine	ND		ug/kg	130	37.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	115		25-120
Phenol-d6	**121**	Q	10-120
Nitrobenzene-d5	**122**	Q	23-120
2-Fluorobiphenyl	110		30-120
2,4,6-Tribromophenol	121		10-136
4-Terphenyl-d14	118		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1501593
Report Date: 01/30/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04-10 Batch: WG759014-2 WG759014-3								
Acenaphthene	77		94		31-137	20		50
1,2,4-Trichlorobenzene	75		94		38-107	22		50
Hexachlorobenzene	82		99		40-140	19		50
Bis(2-chloroethyl)ether	76		98		40-140	25		50
2-Chloronaphthalene	80		97		40-140	19		50
1,2-Dichlorobenzene	73		95		40-140	26		50
1,3-Dichlorobenzene	72		94		40-140	27		50
1,4-Dichlorobenzene	71		93		28-104	27		50
3,3'-Dichlorobenzidine	65		71		40-140	9		50
2,4-Dinitrotoluene	82		**99**	Q	28-89	19		50
2,6-Dinitrotoluene	85		100		40-140	16		50
Fluoranthene	84		100		40-140	17		50
4-Chlorophenyl phenyl ether	81		98		40-140	19		50
4-Bromophenyl phenyl ether	84		99		40-140	16		50
Bis(2-chloroisopropyl)ether	94		119		40-140	23		50
Bis(2-chloroethoxy)methane	86		104		40-117	19		50
Hexachlorobutadiene	71		87		40-140	20		50
Hexachlorocyclopentadiene	74		91		40-140	21		50
Hexachloroethane	70		91		40-140	26		50
Isophorone	91		113		40-140	22		50
Naphthalene	73		93		40-140	24		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1501593
Report Date: 01/30/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04-10 Batch: WG759014-2 WG759014-3								
Nitrobenzene	83		104		40-140	22		50
NDPA/DPA	85		102		36-157	18		50
n-Nitrosodi-n-propylamine	97		119		32-121	20		50
Bis(2-ethylhexyl)phthalate	83		101		40-140	20		50
Butyl benzyl phthalate	84		99		40-140	16		50
Di-n-butylphthalate	85		102		40-140	18		50
Di-n-octylphthalate	86		103		40-140	18		50
Diethyl phthalate	80		95		40-140	17		50
Dimethyl phthalate	80		97		40-140	19		50
Benzo(a)anthracene	84		100		40-140	17		50
Benzo(a)pyrene	84		100		40-140	17		50
Benzo(b)fluoranthene	82		99		40-140	19		50
Benzo(k)fluoranthene	77		92		40-140	18		50
Chrysene	74		90		40-140	20		50
Acenaphthylene	83		101		40-140	20		50
Anthracene	82		99		40-140	19		50
Benzo(ghi)perylene	82		98		40-140	18		50
Fluorene	82		98		40-140	18		50
Phenanthrene	78		95		40-140	20		50
Dibenzo(a,h)anthracene	82		98		40-140	18		50
Indeno(1,2,3-cd)pyrene	87		104		40-140	18		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04-10 Batch: WG759014-2 WG759014-3								
Pyrene	82		98		35-142	18		50
Biphenyl	82		99		54-104	19		50
4-Chloroaniline	108		132		40-140	20		50
2-Nitroaniline	89		105		47-134	16		50
3-Nitroaniline	64		78		26-129	20		50
4-Nitroaniline	83		102		41-125	21		50
Dibenzofuran	83		101		40-140	20		50
2-Methylnaphthalene	82		100		40-140	20		50
1,2,4,5-Tetrachlorobenzene	78		96		40-117	21		50
Acetophenone	87		108		14-144	22		50
2,4,6-Trichlorophenol	88		108		30-130	20		50
p-Chloro-m-cresol	94		**113**	Q	26-103	18		50
2-Chlorophenol	86		**109**	Q	25-102	24		50
2,4-Dichlorophenol	90		108		30-130	18		50
2,4-Dimethylphenol	92		114		30-130	21		50
2-Nitrophenol	88		110		30-130	22		50
4-Nitrophenol	108		**128**	Q	11-114	17		50
2,4-Dinitrophenol	27		19		4-130	35		50
4,6-Dinitro-o-cresol	75		85		10-130	13		50
Pentachlorophenol	83		97		17-109	16		50
Phenol	**96**	Q	**118**	Q	26-90	21		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04-10 Batch: WG759014-2 WG759014-3								
2-Methylphenol	94		116		30-130.	21		50
3-Methylphenol/4-Methylphenol	95		117		30-130	21		50
2,4,5-Trichlorophenol	90		107		30-130	17		50
Benzoic Acid	**6**	Q	**3**	Q	10-66	**62**	Q	50
Benzyl Alcohol	97		118		40-140	20		50
Carbazole	85		104		54-128	20		50
Benzaldehyde	80		106		40-140	28		50
Caprolactam	109		**133**	Q	15-130	20		50
Atrazine	51		60		40-140	16		50
2,3,4,6-Tetrachlorophenol	86		102		40-140	17		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	90		115		25-120
Phenol-d6	98		**122**	Q	10-120
Nitrobenzene-d5	99		**124**	Q	23-120
2-Fluorobiphenyl	88		105		30-120
2,4,6-Tribromophenol	98		120		10-136
4-Terphenyl-d14	89		107		18-120

Matrix Spike Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04-10 QC Batch ID: WG759014-4 WG759014-5 QC Sample: L1501593-04 Client ID: SB-04 (8-10)

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Acenaphthene	ND	1480	1200	81		1200	81		31-137	0		50
1,2,4-Trichlorobenzene	ND	1480	1200	81		1200	81		38-107	0		50
Hexachlorobenzene	ND	1480	1200	81		1300	88		40-140	8		50
Bis(2-chloroethyl)ether	ND	1480	1200	81		1200	81		40-140	0		50
2-Chloronaphthalene	ND	1480	1200	81		1300	88		40-140	8		50
1,2-Dichlorobenzene	ND	1480	1200	81		1200	81		40-140	0		50
1,3-Dichlorobenzene	ND	1480	1200	81		1200	81		40-140	0		50
1,4-Dichlorobenzene	ND	1480	1200	81		1200	81		28-104	0		50
3,3'-Dichlorobenzidine	ND	1480	1100	74		1300	88		40-140	17		50
2,4-Dinitrotoluene	ND	1480	1200	81		1300	88		28-89	8		50
2,6-Dinitrotoluene	ND	1480	1300	88		1300	88		40-140	0		50
Fluoranthene	ND	1480	1200	81		1300	88		40-140	8		50
4-Chlorophenyl phenyl ether	ND	1480	1200	81		1300	88		40-140	8		50
4-Bromophenyl phenyl ether	ND	1480	1200	81		1300	88		40-140	8		50
Bis(2-chloroisopropyl)ether	ND	1480	1500	100		1500	100		40-140	0		50
Bis(2-chloroethoxy)methane	ND	1480	1300	88		1300	88		40-117	0		50
Hexachlorobutadiene	ND	1480	1100	74		1200	81		40-140	9		50
Hexachlorocyclopentadiene	ND	1480	1100	74		1200	81		40-140	9		50
Hexachloroethane	ND	1480	1200	81		1200	81		40-140	0		50
Isophorone	ND	1480	1400	94		1400	94		40-140	0		50
Naphthalene	ND	1480	1200	81		1200	81		40-140	0		50

Matrix Spike Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04-10 QC Batch ID: WG759014-4 WG759014-5 QC Sample: L1501593-04 Client ID: SB-04 (8-10)												
Nitrobenzene	ND	1480	1300	88		1300	88		40-140	0		50
NDPA/DPA	ND	1480	1300	88		1400	94		36-157	7		50
n-Nitrosodi-n-propylamine	ND	1480	1500	100		1500	100		32-121	0		50
Bis(2-ethylhexyl)phthalate	ND	1480	1300	88		1300	88		40-140	0		50
Butyl benzyl phthalate	ND	1480	1200	81		1300	88		40-140	8		50
Di-n-butylphthalate	ND	1480	1300	88		1300	88		40-140	0		50
Di-n-octylphthalate	ND	1480	1300	88		1400	94		40-140	7		50
Diethyl phthalate	ND	1480	1200	81		1200	81		40-140	0		50
Dimethyl phthalate	ND	1480	1200	81		1300	88		40-140	8		50
Benzo(a)anthracene	ND	1480	1300	88		1300	88		40-140	0		50
Benzo(a)pyrene	ND	1480	1300	88		1300	88		40-140	0		50
Benzo(b)fluoranthene	ND	1480	1300	88		1300	88		40-140	0		50
Benzo(k)fluoranthene	ND	1480	1200	81		1200	81		40-140	0		50
Chrysene	ND	1480	1100	74		1200	81		40-140	9		50
Acenaphthylene	ND	1480	1300	88		1300	88		40-140	0		50
Anthracene	ND	1480	1200	81		1300	88		40-140	8		50
Benzo(ghi)perylene	ND	1480	1200	81		1300	88		40-140	8		50
Fluorene	ND	1480	1200	81		1300	88		40-140	8		50
Phenanthrene	ND	1480	1200	81		1200	81		40-140	0		50
Dibenzo(a,h)anthracene	ND	1480	1200	81		1300	88		40-140	8		50
Indeno(1,2,3-cd)pyrene	ND	1480	1300	88		1400	94		40-140	7		50

Matrix Spike Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04-10 QC Batch ID: WG759014-4 WG759014-5 QC Sample: L1501593-04 Client ID: SB-04 (8-10)												
Pyrene	ND	1480	1200	81		1300	88		35-142	8		50
Biphenyl	ND	1480	1200	81		1300	88		54-104	8		50
4-Chloroaniline	ND	1480	1700	110		1700	110		40-140	0		50
2-Nitroaniline	ND	1480	1400	94		1400	94		47-134	0		50
3-Nitroaniline	ND	1480	910	61		1000	67		26-129	9		50
4-Nitroaniline	ND	1480	1200	81		1400	94		41-125	15		50
Dibenzofuran	ND	1480	1300	88		1300	88		40-140	0		50
2-Methylnaphthalene	ND	1480	1300	88		1300	88		40-140	0		50
1,2,4,5-Tetrachlorobenzene	ND	1480	1200	81		1200	81		40-117	0		50
Acetophenone	ND	1480	1400	94		1400	94		14-144	0		50
2,4,6-Trichlorophenol	ND	1480	1400	94		1400	94		30-130	0		50
p-Chloro-m-cresol	ND	1480	1400	94		1500	100		26-103	7		50
2-Chlorophenol	ND	1480	1400	94		1400	94		25-102	0		50
2,4-Dichlorophenol	ND	1480	1400	94		1400	94		30-130	0		50
2,4-Dimethylphenol	ND	1480	1500	100		1400	94		30-130	7		50
2-Nitrophenol	ND	1480	1400	94		1400	94		30-130	0		50
4-Nitrophenol	ND	1480	1700	110		1700	110		11-114	0		50
2,4-Dinitrophenol	ND	1480	ND	**0**	Q	280J	19		4-130	NC		50
4,6-Dinitro-o-cresol	ND	1480	1100	74		1200	81		10-130	9		50
Pentachlorophenol	ND	1480	1200	81		1300	88		17-109	8		50
Phenol	ND	1480	1500	**100**	Q	1500	**100**	Q	26-90	0		50

Matrix Spike Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04-10 QC Batch ID: WG759014-4 WG759014-5 QC Sample: L1501593-04 Client ID: SB-04 (8-10)												
2-Methylphenol	ND	1480	1500	100		1500	100		30-130.	0		50
3-Methylphenol/4-Methylphenol	ND	1480	1500	100		1500	100		30-130	0		50
2,4,5-Trichlorophenol	ND	1480	1400	94		1400	94		30-130	0		50
Benzoic Acid	ND	1480	ND	**0**	Q	ND	**0**	Q	10-66	NC		50
Benzyl Alcohol	ND	1480	1500	100		1500	100		40-140	0		50
Carbazole	ND	1480	1300	88		1300	88		54-128	0		50
Benzaldehyde	ND	1480	1400	94		1400	94		40-140	0		50
Caprolactam	ND	1480	1700	110		1700	110		15-130	0		50
Atrazine	ND	1480	770	52		810	55		40-140	5		50
2,3,4,6-Tetrachlorophenol	ND	1480	1300	88		1400	94		40-140	7		50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	101		106		10-136
2-Fluorobiphenyl	88		94		30-120
2-Fluorophenol	98		100		25-120
4-Terphenyl-d14	87		98		18-120
Nitrobenzene-d5	107		110		23-120
Phenol-d6	104		105		10-120

PCBS

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

SAMPLE RESULTS

Lab ID:	L1501593-01	Date Collected:	01/22/15 12:48
Client ID:	SB-01 (7-9)	Date Received:	01/23/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	01/25/15 11:29
Analytical Date:	01/26/15 17:02	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	01/26/15
Percent Solids:	88%	Cleanup Method:	EPA 3660B
		Cleanup Date:	01/26/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.6	2.97	1	A
Aroclor 1221	ND		ug/kg	37.6	3.47	1	A
Aroclor 1232	ND		ug/kg	37.6	4.41	1	A
Aroclor 1242	ND		ug/kg	37.6	4.61	1	A
Aroclor 1248	ND		ug/kg	37.6	3.18	1	A
Aroclor 1254	ND		ug/kg	37.6	3.10	1	A
Aroclor 1260	ND		ug/kg	37.6	2.87	1	A
Aroclor 1262	ND		ug/kg	37.6	1.87	1	A
Aroclor 1268	ND		ug/kg	37.6	5.46	1	A
PCBs, Total	ND		ug/kg	37.6	1.87	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	51		30-150	B

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

SAMPLE RESULTS

Lab ID:	L1501593-02	Date Collected:	01/22/15 16:10
Client ID:	SB-02 (6-8)	Date Received:	01/23/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	01/25/15 11:29
Analytical Date:	01/26/15 17:16	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	01/26/15
Percent Solids:	90%	Cleanup Method:	EPA 3660B
		Cleanup Date:	01/26/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.5	2.80	1	A
Aroclor 1221	ND		ug/kg	35.5	3.27	1	A
Aroclor 1232	ND		ug/kg	35.5	4.16	1	A
Aroclor 1242	ND		ug/kg	35.5	4.34	1	A
Aroclor 1248	ND		ug/kg	35.5	2.99	1	A
Aroclor 1254	ND		ug/kg	35.5	2.92	1	A
Aroclor 1260	ND		ug/kg	35.5	2.70	1	A
Aroclor 1262	ND		ug/kg	35.5	1.76	1	A
Aroclor 1268	ND		ug/kg	35.5	5.14	1	A
PCBs, Total	ND		ug/kg	35.5	1.76	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

SAMPLE RESULTS

Lab ID:	L1501593-04	Date Collected:	01/22/15 11:00
Client ID:	SB-04 (8-10)	Date Received:	01/23/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	01/25/15 11:29
Analytical Date:	01/26/15 17:29	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	01/26/15
Percent Solids:	89%	Cleanup Method:	EPA 3660B
		Cleanup Date:	01/26/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.6	2.81	1	A
Aroclor 1221	ND		ug/kg	35.6	3.28	1	A
Aroclor 1232	ND		ug/kg	35.6	4.17	1	A
Aroclor 1242	ND		ug/kg	35.6	4.35	1	A
Aroclor 1248	ND		ug/kg	35.6	3.00	1	A
Aroclor 1254	ND		ug/kg	35.6	2.92	1	A
Aroclor 1260	ND		ug/kg	35.6	2.71	1	A
Aroclor 1262	ND		ug/kg	35.6	1.76	1	A
Aroclor 1268	ND		ug/kg	35.6	5.16	1	A
PCBs, Total	ND		ug/kg	35.6	1.76	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	58		30-150	B

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

SAMPLE RESULTS

Lab ID:	L1501593-06	Date Collected:	01/22/15 10:41
Client ID:	SB-06 (4.5-6.5)	Date Received:	01/23/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	01/25/15 11:29
Analytical Date:	01/26/15 17:42	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	01/26/15
Percent Solids:	84%	Cleanup Method:	EPA 3660B
		Cleanup Date:	01/26/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.1	3.01	1	A
Aroclor 1221	ND		ug/kg	38.1	3.51	1	A
Aroclor 1232	ND		ug/kg	38.1	4.46	1	A
Aroclor 1242	ND		ug/kg	38.1	4.66	1	A
Aroclor 1248	ND		ug/kg	38.1	3.21	1	A
Aroclor 1254	ND		ug/kg	38.1	3.13	1	A
Aroclor 1260	ND		ug/kg	38.1	2.90	1	A
Aroclor 1262	ND		ug/kg	38.1	1.89	1	A
Aroclor 1268	ND		ug/kg	38.1	5.52	1	A
PCBs, Total	ND		ug/kg	38.1	1.89	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

SAMPLE RESULTS

Lab ID:	L1501593-07	Date Collected:	01/22/15 09:31
Client ID:	SB-07 (6-8)	Date Received:	01/23/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	01/25/15 11:29
Analytical Date:	01/26/15 17:56	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	01/26/15
Percent Solids:	87%	Cleanup Method:	EPA 3660B
		Cleanup Date:	01/26/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.4	2.87	1	A
Aroclor 1221	ND		ug/kg	36.4	3.35	1	A
Aroclor 1232	ND		ug/kg	36.4	4.26	1	A
Aroclor 1242	ND		ug/kg	36.4	4.45	1	A
Aroclor 1248	ND		ug/kg	36.4	3.07	1	A
Aroclor 1254	ND		ug/kg	36.4	2.99	1	A
Aroclor 1260	ND		ug/kg	36.4	2.77	1	A
Aroclor 1262	ND		ug/kg	36.4	1.80	1	A
Aroclor 1268	ND		ug/kg	36.4	5.27	1	A
PCBs, Total	ND		ug/kg	36.4	1.80	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	55		30-150	B

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

SAMPLE RESULTS

Lab ID:	L1501593-08	Date Collected:	01/22/15 14:54
Client ID:	SB-08 (5-7)	Date Received:	01/23/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	01/25/15 11:29
Analytical Date:	01/26/15 18:09	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	01/26/15
Percent Solids:	89%	Cleanup Method:	EPA 3660B
		Cleanup Date:	01/26/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.5	2.96	1	A
Aroclor 1221	ND		ug/kg	37.5	3.46	1	A
Aroclor 1232	ND		ug/kg	37.5	4.40	1	A
Aroclor 1242	ND		ug/kg	37.5	4.59	1	A
Aroclor 1248	ND		ug/kg	37.5	3.17	1	A
Aroclor 1254	ND		ug/kg	37.5	3.08	1	A
Aroclor 1260	ND		ug/kg	37.5	2.86	1	A
Aroclor 1262	ND		ug/kg	37.5	1.86	1	A
Aroclor 1268	ND		ug/kg	37.5	5.44	1	A
PCBs, Total	ND		ug/kg	37.5	1.86	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	54		30-150	B

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

SAMPLE RESULTS

Lab ID:	L1501593-09	Date Collected:	01/22/15 15:17
Client ID:	SB-09 (4.5-6.5)	Date Received:	01/23/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	01/25/15 11:29
Analytical Date:	01/26/15 18:23	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	01/26/15
Percent Solids:	87%	Cleanup Method:	EPA 3660B
		Cleanup Date:	01/26/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.7	2.98	1	A
Aroclor 1221	ND		ug/kg	37.7	3.47	1	A
Aroclor 1232	ND		ug/kg	37.7	4.42	1	A
Aroclor 1242	ND		ug/kg	37.7	4.61	1	A
Aroclor 1248	ND		ug/kg	37.7	3.18	1	A
Aroclor 1254	ND		ug/kg	37.7	3.10	1	A
Aroclor 1260	ND		ug/kg	37.7	2.87	1	A
Aroclor 1262	ND		ug/kg	37.7	1.87	1	A
Aroclor 1268	ND		ug/kg	37.7	5.46	1	A
PCBs, Total	ND		ug/kg	37.7	1.87	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	54		30-150	B

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

SAMPLE RESULTS

Lab ID:	L1501593-10	Date Collected:	01/22/15 00:00
Client ID:	BLIND DUP #1	Date Received:	01/23/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	01/25/15 11:29
Analytical Date:	01/26/15 18:36	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	01/26/15
Percent Solids:	85%	Cleanup Method:	EPA 3660B
		Cleanup Date:	01/26/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.9	2.92	1	A
Aroclor 1221	ND		ug/kg	36.9	3.40	1	A
Aroclor 1232	ND		ug/kg	36.9	4.32	1	A
Aroclor 1242	ND		ug/kg	36.9	4.52	1	A
Aroclor 1248	ND		ug/kg	36.9	3.11	1	A
Aroclor 1254	ND		ug/kg	36.9	3.03	1	A
Aroclor 1260	ND		ug/kg	36.9	2.81	1	A
Aroclor 1262	ND		ug/kg	36.9	1.83	1	A
Aroclor 1268	ND		ug/kg	36.9	5.35	1	A
PCBs, Total	ND		ug/kg	36.9	1.83	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	61		30-150	B

Project Name: 905 ELMWOOD AVE.

Project Number: 0136-014-002

Lab Number: L1501593

Report Date: 01/30/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 01/26/15 19:16
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 01/25/15 11:29
Cleanup Method: EPA 3665A
Cleanup Date: 01/26/15
Cleanup Method: EPA 3660B
Cleanup Date: 01/26/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02,04,06-10 Batch: WG758410-1						
Aroclor 1016	ND		ug/kg	31.5	2.49	A
Aroclor 1221	ND		ug/kg	31.5	2.90	A
Aroclor 1232	ND		ug/kg	31.5	3.69	A
Aroclor 1242	ND		ug/kg	31.5	3.85	A
Aroclor 1248	ND		ug/kg	31.5	2.66	A
Aroclor 1254	ND		ug/kg	31.5	2.59	A
Aroclor 1260	ND		ug/kg	31.5	2.40	A
Aroclor 1262	ND		ug/kg	31.5	1.56	A
Aroclor 1268	ND		ug/kg	31.5	4.56	A
PCBs, Total	ND		ug/kg	31.5	1.56	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	60		30-150	B

Matrix Spike Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02,04,06-10 QC Batch ID: WG758410-4 WG758410-5 QC Sample: L1501593-04 Client ID: SB-04 (8-10)													
Aroclor 1016	ND	228	175	77		169	75		40-140	3		50	A
Aroclor 1260	ND	228	174	76		167	74		40-140	4		50	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		69		30-150	A
Decachlorobiphenyl	57		57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		65		30-150	B
Decachlorobiphenyl	52		49		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 905 ELMWOOD AVE.

Project Number: 0136-014-002

Lab Number: L1501593

Report Date: 01/30/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02,04,06-10 Batch: WG758410-2 WG758410-3									
Aroclor 1016	65		72		40-140	10		50	A
Aroclor 1260	72		78		40-140	8		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		65		30-150	A
Decachlorobiphenyl	57		59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		69		30-150	B
Decachlorobiphenyl	52		55		30-150	B

PESTICIDES

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

SAMPLE RESULTS

Lab ID:	L1501593-01	Date Collected:	01/22/15 12:48
Client ID:	SB-01 (7-9)	Date Received:	01/23/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	01/26/15 16:57
Analytical Date:	01/29/15 17:09	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	01/29/15
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.73	0.339	1	A
Lindane	ND		ug/kg	0.722	0.322	1	A
Alpha-BHC	ND		ug/kg	0.722	0.205	1	A
Beta-BHC	ND		ug/kg	1.73	0.657	1	A
Heptachlor	ND		ug/kg	0.866	0.388	1	A
Aldrin	ND		ug/kg	1.73	0.610	1	A
Heptachlor epoxide	ND		ug/kg	3.25	0.974	1	A
Endrin	ND		ug/kg	0.722	0.296	1	A
Endrin aldehyde	ND		ug/kg	2.16	0.758	1	A
Endrin ketone	ND		ug/kg	1.73	0.446	1	A
Dieldrin	ND		ug/kg	1.08	0.541	1	A
4,4'-DDE	ND		ug/kg	1.73	0.400	1	A
4,4'-DDD	ND		ug/kg	1.73	0.618	1	A
4,4'-DDT	ND		ug/kg	3.25	1.39	1	A
Endosulfan I	ND		ug/kg	1.73	0.409	1	A
Endosulfan II	ND		ug/kg	1.73	0.579	1	A
Endosulfan sulfate	ND		ug/kg	0.722	0.344	1	A
Methoxychlor	ND		ug/kg	3.25	1.01	1	A
Toxaphene	ND		ug/kg	32.5	9.09	1	A
cis-Chlordane	ND		ug/kg	2.16	0.603	1	A
trans-Chlordane	ND		ug/kg	2.16	0.572	1	A
Chlordane	ND		ug/kg	14.1	5.74	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	53		30-150	B
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	49		30-150	A

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

SAMPLE RESULTS

Lab ID:	L1501593-01	Date Collected:	01/22/15 12:48
Client ID:	SB-01 (7-9)	Date Received:	01/23/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	01/26/15 12:31
Analytical Date:	01/29/15 17:34		
Analyst:	SS		
Percent Solids:	88%		
Methylation Date:	01/29/15 09:00		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	188	22.9	1	A
2,4,5-T	ND		ug/kg	188	11.8	1	A
2,4,5-TP (Silvex)	ND		ug/kg	188	10.4	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	56		30-150	A
DCAA	49		30-150	B

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

SAMPLE RESULTS

Lab ID:	L1501593-02	Date Collected:	01/22/15 16:10
Client ID:	SB-02 (6-8)	Date Received:	01/23/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	01/26/15 16:57
Analytical Date:	01/29/15 17:25	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	01/29/15
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.71	0.335	1	A
Lindane	ND		ug/kg	0.713	0.318	1	A
Alpha-BHC	ND		ug/kg	0.713	0.202	1	A
Beta-BHC	ND		ug/kg	1.71	0.648	1	A
Heptachlor	ND		ug/kg	0.855	0.383	1	A
Aldrin	ND		ug/kg	1.71	0.602	1	A
Heptachlor epoxide	ND		ug/kg	3.21	0.962	1	A
Endrin	ND		ug/kg	0.713	0.292	1	A
Endrin aldehyde	ND		ug/kg	2.14	0.748	1	A
Endrin ketone	ND		ug/kg	1.71	0.440	1	A
Dieldrin	ND		ug/kg	1.07	0.534	1	A
4,4'-DDE	ND		ug/kg	1.71	0.396	1	A
4,4'-DDD	ND		ug/kg	1.71	0.610	1	A
4,4'-DDT	ND		ug/kg	3.21	1.38	1	A
Endosulfan I	ND		ug/kg	1.71	0.404	1	A
Endosulfan II	ND		ug/kg	1.71	0.572	1	A
Endosulfan sulfate	ND		ug/kg	0.713	0.339	1	A
Methoxychlor	ND		ug/kg	3.21	0.998	1	A
Toxaphene	ND		ug/kg	32.1	8.98	1	A
cis-Chlordane	ND		ug/kg	2.14	0.596	1	A
trans-Chlordane	ND		ug/kg	2.14	0.564	1	A
Chlordane	ND		ug/kg	13.9	5.66	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	67		30-150	B
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	64		30-150	A

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

SAMPLE RESULTS

Lab ID:	L1501593-02	Date Collected:	01/22/15 16:10
Client ID:	SB-02 (6-8)	Date Received:	01/23/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	01/26/15 12:31
Analytical Date:	01/29/15 17:53		
Analyst:	SS		
Percent Solids:	90%		
Methylation Date:	01/29/15 09:00		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	180	22.0	1	A
2,4,5-T	ND		ug/kg	180	11.3	1	A
2,4,5-TP (Silvex)	ND		ug/kg	180	9.96	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	34		30-150	A
DCAA	33		30-150	B

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

SAMPLE RESULTS

Lab ID:	L1501593-04	Date Collected:	01/22/15 11:00
Client ID:	SB-04 (8-10)	Date Received:	01/23/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	01/26/15 16:57
Analytical Date:	01/29/15 17:41	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	01/29/15
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.73	0.338	1	A
Lindane	ND		ug/kg	0.720	0.322	1	A
Alpha-BHC	ND		ug/kg	0.720	0.204	1	A
Beta-BHC	ND		ug/kg	1.73	0.655	1	A
Heptachlor	ND		ug/kg	0.864	0.387	1	A
Aldrin	ND		ug/kg	1.73	0.608	1	A
Heptachlor epoxide	ND		ug/kg	3.24	0.972	1	A
Endrin	ND		ug/kg	0.720	0.295	1	A
Endrin aldehyde	ND		ug/kg	2.16	0.756	1	A
Endrin ketone	ND		ug/kg	1.73	0.445	1	A
Dieldrin	ND		ug/kg	1.08	0.540	1	A
4,4'-DDE	ND		ug/kg	1.73	0.400	1	A
4,4'-DDD	ND		ug/kg	1.73	0.616	1	A
4,4'-DDT	ND		ug/kg	3.24	1.39	1	A
Endosulfan I	ND		ug/kg	1.73	0.408	1	A
Endosulfan II	ND		ug/kg	1.73	0.578	1	A
Endosulfan sulfate	ND		ug/kg	0.720	0.343	1	A
Methoxychlor	ND		ug/kg	3.24	1.01	1	A
Toxaphene	ND		ug/kg	32.4	9.07	1	A
cis-Chlordane	ND		ug/kg	2.16	0.602	1	A
trans-Chlordane	ND		ug/kg	2.16	0.570	1	A
Chlordane	ND		ug/kg	14.0	5.72	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	57		30-150	B
2,4,5,6-Tetrachloro-m-xylene	52		30-150	A
Decachlorobiphenyl	52		30-150	A

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

SAMPLE RESULTS

Lab ID:	L1501593-04	Date Collected:	01/22/15 11:00
Client ID:	SB-04 (8-10)	Date Received:	01/23/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	01/26/15 12:31
Analytical Date:	01/29/15 18:13		
Analyst:	SS		
Percent Solids:	89%		
Methylation Date:	01/29/15 09:00		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	181	22.0	1	A
2,4,5-T	ND		ug/kg	181	11.3	1	A
2,4,5-TP (Silvex)	ND		ug/kg	181	10.0	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	33		30-150	A
DCAA	34		30-150	B

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

SAMPLE RESULTS

Lab ID:	L1501593-07	Date Collected:	01/22/15 09:31
Client ID:	SB-07 (6-8)	Date Received:	01/23/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	01/26/15 16:57
Analytical Date:	01/29/15 17:57	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	01/29/15
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.78	0.349	1	A
Lindane	ND		ug/kg	0.743	0.332	1	A
Alpha-BHC	ND		ug/kg	0.743	0.211	1	A
Beta-BHC	ND		ug/kg	1.78	0.676	1	A
Heptachlor	ND		ug/kg	0.891	0.400	1	A
Aldrin	ND		ug/kg	1.78	0.628	1	A
Heptachlor epoxide	ND		ug/kg	3.34	1.00	1	A
Endrin	ND		ug/kg	0.743	0.304	1	A
Endrin aldehyde	ND		ug/kg	2.23	0.780	1	A
Endrin ketone	ND		ug/kg	1.78	0.459	1	A
Dieldrin	ND		ug/kg	1.11	0.557	1	A
4,4'-DDE	ND		ug/kg	1.78	0.412	1	A
4,4'-DDD	ND		ug/kg	1.78	0.636	1	A
4,4'-DDT	ND		ug/kg	3.34	1.43	1	A
Endosulfan I	ND		ug/kg	1.78	0.421	1	A
Endosulfan II	ND		ug/kg	1.78	0.596	1	A
Endosulfan sulfate	ND		ug/kg	0.743	0.354	1	A
Methoxychlor	ND		ug/kg	3.34	1.04	1	A
Toxaphene	ND		ug/kg	33.4	9.36	1	A
cis-Chlordane	ND		ug/kg	2.23	0.621	1	A
trans-Chlordane	ND		ug/kg	2.23	0.588	1	A
Chlordane	ND		ug/kg	14.5	5.90	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	52		30-150	B
2,4,5,6-Tetrachloro-m-xylene	48		30-150	A
Decachlorobiphenyl	48		30-150	A

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

SAMPLE RESULTS

Lab ID:	L1501593-07	Date Collected:	01/22/15 09:31
Client ID:	SB-07 (6-8)	Date Received:	01/23/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	01/26/15 12:31
Analytical Date:	01/29/15 19:16		
Analyst:	SS		
Percent Solids:	87%		
Methylation Date:	01/29/15 09:00		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	187	22.7	1	A
2,4,5-T	ND		ug/kg	187	11.6	1	A
2,4,5-TP (Silvex)	ND		ug/kg	187	10.3	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	37		30-150	A
DCAA	41		30-150	B

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

SAMPLE RESULTS

Lab ID:	L1501593-08	Date Collected:	01/22/15 14:54
Client ID:	SB-08 (5-7)	Date Received:	01/23/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	01/26/15 16:57
Analytical Date:	01/29/15 18:13	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	01/29/15
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.74	0.340	1	A
Lindane	ND		ug/kg	0.724	0.324	1	A
Alpha-BHC	ND		ug/kg	0.724	0.206	1	A
Beta-BHC	ND		ug/kg	1.74	0.659	1	A
Heptachlor	ND		ug/kg	0.869	0.390	1	A
Aldrin	ND		ug/kg	1.74	0.612	1	A
Heptachlor epoxide	ND		ug/kg	3.26	0.978	1	A
Endrin	ND		ug/kg	0.724	0.297	1	A
Endrin aldehyde	ND		ug/kg	2.17	0.761	1	A
Endrin ketone	ND		ug/kg	1.74	0.448	1	A
Dieldrin	ND		ug/kg	1.09	0.543	1	A
4,4'-DDE	ND		ug/kg	1.74	0.402	1	A
4,4'-DDD	ND		ug/kg	1.74	0.620	1	A
4,4'-DDT	ND		ug/kg	3.26	1.40	1	A
Endosulfan I	ND		ug/kg	1.74	0.411	1	A
Endosulfan II	ND		ug/kg	1.74	0.581	1	A
Endosulfan sulfate	ND		ug/kg	0.724	0.345	1	A
Methoxychlor	ND		ug/kg	3.26	1.01	1	A
Toxaphene	ND		ug/kg	32.6	9.13	1	A
cis-Chlordane	ND		ug/kg	2.17	0.606	1	A
trans-Chlordane	ND		ug/kg	2.17	0.574	1	A
Chlordane	ND		ug/kg	14.1	5.76	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	54		30-150	B
2,4,5,6-Tetrachloro-m-xylene	51		30-150	A
Decachlorobiphenyl	48		30-150	A

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

SAMPLE RESULTS

Lab ID:	L1501593-08	Date Collected:	01/22/15 14:54
Client ID:	SB-08 (5-7)	Date Received:	01/23/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	01/26/15 12:31
Analytical Date:	01/29/15 19:36		
Analyst:	SS		
Percent Solids:	89%		
Methylation Date:	01/29/15 09:00		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	184	22.3	1	A
2,4,5-T	ND		ug/kg	184	11.5	1	A
2,4,5-TP (Silvex)	ND		ug/kg	184	10.1	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	42		30-150	A
DCAA	41		30-150	B

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

SAMPLE RESULTS

Lab ID:	L1501593-10	Date Collected:	01/22/15 00:00
Client ID:	BLIND DUP #1	Date Received:	01/23/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	01/26/15 16:57
Analytical Date:	01/29/15 18:29	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	01/29/15
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.79	0.351	1	A
Lindane	ND		ug/kg	0.748	0.334	1	A
Alpha-BHC	ND		ug/kg	0.748	0.212	1	A
Beta-BHC	ND		ug/kg	1.79	0.680	1	A
Heptachlor	ND		ug/kg	0.897	0.402	1	A
Aldrin	ND		ug/kg	1.79	0.632	1	A
Heptachlor epoxide	ND		ug/kg	3.36	1.01	1	A
Endrin	ND		ug/kg	0.748	0.306	1	A
Endrin aldehyde	ND		ug/kg	2.24	0.785	1	A
Endrin ketone	ND		ug/kg	1.79	0.462	1	A
Dieldrin	ND		ug/kg	1.12	0.561	1	A
4,4'-DDE	ND		ug/kg	1.79	0.415	1	A
4,4'-DDD	ND		ug/kg	1.79	0.640	1	A
4,4'-DDT	ND		ug/kg	3.36	1.44	1	A
Endosulfan I	ND		ug/kg	1.79	0.424	1	A
Endosulfan II	ND		ug/kg	1.79	0.600	1	A
Endosulfan sulfate	ND		ug/kg	0.748	0.356	1	A
Methoxychlor	ND		ug/kg	3.36	1.05	1	A
Toxaphene	ND		ug/kg	33.6	9.42	1	A
cis-Chlordane	ND		ug/kg	2.24	0.625	1	A
trans-Chlordane	ND		ug/kg	2.24	0.592	1	A
Chlordane	ND		ug/kg	14.6	5.94	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	54		30-150	B
2,4,5,6-Tetrachloro-m-xylene	51		30-150	A
Decachlorobiphenyl	52		30-150	A

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

SAMPLE RESULTS

Lab ID:	L1501593-10	Date Collected:	01/22/15 00:00
Client ID:	BLIND DUP #1	Date Received:	01/23/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	01/26/15 12:31
Analytical Date:	01/29/15 19:55		
Analyst:	SS		
Percent Solids:	85%		
Methylation Date:	01/29/15 09:00		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	191	23.2	1	A
2,4,5-T	ND		ug/kg	191	11.9	1	A
2,4,5-TP (Silvex)	ND		ug/kg	191	10.5	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	31		30-150	A
DCAA	38		30-150	B

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1501593
Report Date: 01/30/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 01/28/15 17:47
Analyst: SS

Extraction Method: EPA 8151A
Extraction Date: 01/26/15 12:31

Methylation Date: 01/28/15 16:09

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-02,04,07-08,10 Batch: WG758592-1						
2,4-D	ND		ug/kg	163	19.8	A
2,4,5-T	ND		ug/kg	163	10.2	A
2,4,5-TP (Silvex)	ND		ug/kg	163	9.00	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	78		30-150	A
DCAA	74		30-150	B

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1501593
Report Date: 01/30/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 01/29/15 15:50
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 01/26/15 16:57
Cleanup Method: EPA 3620B
Cleanup Date: 01/29/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02,04,07-08,10 Batch: WG758692-1						
Delta-BHC	ND		ug/kg	1.56	0.306	A
Lindane	ND		ug/kg	0.651	0.291	A
Alpha-BHC	ND		ug/kg	0.651	0.185	A
Beta-BHC	ND		ug/kg	1.56	0.592	A
Heptachlor	ND		ug/kg	0.781	0.350	A
Aldrin	ND		ug/kg	1.56	0.550	A
Heptachlor epoxide	ND		ug/kg	2.93	0.879	A
Endrin	ND		ug/kg	0.651	0.267	A
Endrin aldehyde	ND		ug/kg	1.95	0.684	A
Endrin ketone	ND		ug/kg	1.56	0.402	A
Dieldrin	ND		ug/kg	0.976	0.488	A
4,4'-DDE	ND		ug/kg	1.56	0.361	A
4,4'-DDD	ND		ug/kg	1.56	0.557	A
4,4'-DDT	ND		ug/kg	2.93	1.26	A
Endosulfan I	ND		ug/kg	1.56	0.369	A
Endosulfan II	ND		ug/kg	1.56	0.522	A
Endosulfan sulfate	ND		ug/kg	0.651	0.310	A
Methoxychlor	ND		ug/kg	2.93	0.911	A
Toxaphene	ND		ug/kg	29.3	8.20	A
cis-Chlordane	ND		ug/kg	1.95	0.544	A
trans-Chlordane	ND		ug/kg	1.95	0.516	A
Chlordane	ND		ug/kg	12.7	5.18	A

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1501593
Report Date: 01/30/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 01/29/15 15:50
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 01/26/15 16:57
Cleanup Method: EPA 3620B
Cleanup Date: 01/29/15

Parameter	Result	Qualifier	Units	RL	MDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02,04,07-08,10 Batch: WG758692-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		30-150	B
Decachlorobiphenyl	42		30-150	B
2,4,5,6-Tetrachloro-m-xylene	47		30-150	A
Decachlorobiphenyl	43		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1501593
Report Date: 01/30/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-02,04,07-08,10 Batch: WG758592-2 WG758592-3									
2,4-D	83		93		30-150	11		30	A
2,4,5-T	78		85		30-150	9		30	A
2,4,5-TP (Silvex)	74		78		30-150	5		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	76		75		30-150	A
DCAA	71		67		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1501593
Report Date: 01/30/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02,04,07-08,10 Batch: WG758692-2 WG758692-3									
Delta-BHC	50		41		30-150	20		30	A
Lindane	61		50		30-150	20		30	A
Alpha-BHC	69		57		30-150	19		30	A
Beta-BHC	64		56		30-150	13		30	A
Heptachlor	62		52		30-150	18		30	A
Aldrin	62		50		30-150	21		30	A
Heptachlor epoxide	60		49		30-150	20		30	A
Endrin	69		57		30-150	19		30	A
Endrin aldehyde	48		39		30-150	21		30	A
Endrin ketone	59		48		30-150	21		30	A
Dieldrin	63		52		30-150	19		30	A
4,4'-DDE	60		48		30-150	22		30	A
4,4'-DDD	62		51		30-150	19		30	A
4,4'-DDT	64		53		30-150	19		30	A
Endosulfan I	59		48		30-150	21		30	A
Endosulfan II	58		47		30-150	21		30	A
Endosulfan sulfate	60		50		30-150	18		30	A
Methoxychlor	71		59		30-150	18		30	A
cis-Chlordane	59		48		30-150	21		30	A
trans-Chlordane	78		62		30-150	23		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1501593
Report Date: 01/30/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02,04,07-08,10 Batch: WG758692-2 WG758692-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		41		30-150	B
Decachlorobiphenyl	46		35		30-150	B
2,4,5,6-Tetrachloro-m-xylene	47		37		30-150	A
Decachlorobiphenyl	46		36		30-150	A

Matrix Spike Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02,04,07-08,10 QC Batch ID: WG758692-4 WG758692-5 QC Sample: L1501593-04 Client ID: SB-04 (8-10)													
Delta-BHC	ND	35.3	11.2	32		20.5	56		30-150	**59**	Q	50	A
Lindane	ND	35.3	19.0	54		25.5	70		30-150	29		50	A
Alpha-BHC	ND	35.3	20.6	58		27.9	77		30-150	30		50	A
Beta-BHC	ND	35.3	20.3	57		28.0	77		30-150	32		50	A
Heptachlor	ND	35.3	19.9	56		25.2	69		30-150	24		50	A
Aldrin	ND	35.3	19.9	56		26.0	71		30-150	27		50	A
Heptachlor epoxide	ND	35.3	19.4	55		25.5	70		30-150	27		50	A
Endrin	ND	35.3	22.6	64		28.5	78		30-150	23		50	A
Endrin aldehyde	ND	35.3	15.4	44		20.1	55		30-150	26		50	A
Endrin ketone	ND	35.3	19.2	54		25.8	71		30-150	29		50	A
Dieldrin	ND	35.3	20.3	57		27.2	75		30-150	29		50	A
4,4'-DDE	ND	35.3	19.2	54		25.9	71		30-150	30		50	A
4,4'-DDD	ND	35.3	20.2	57		26.7	73		30-150	28		50	A
4,4'-DDT	ND	35.3	20.5	58		27.0	74		30-150	27		50	A
Endosulfan I	ND	35.3	18.1	51		25.5	70		30-150	34		50	A
Endosulfan II	ND	35.3	17.1	48		24.6	68		30-150	36		50	A
Endosulfan sulfate	ND	35.3	19.0	54		25.5	70		30-150	29		50	A
Methoxychlor	ND	35.3	23.5	67		31.2	86		30-150	28		50	A
cis-Chlordane	ND	35.3	18.9	54		24.9	68		30-150	27		50	A
trans-Chlordane	ND	35.3	21.0	59		31.0	85		30-150	38		50	A

Matrix Spike Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02,04,07-08,10 QC Batch ID: WG758692-4 WG758692-5 QC Sample: L1501593-04 Client ID: SB-04 (8-10)												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	50		59		30-150	B
Decachlorobiphenyl	44		57		30-150	B
2,4,5,6-Tetrachloro-m-xylene	41		50		30-150	A
Decachlorobiphenyl	39		53		30-150	A

METALS

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

SAMPLE RESULTS

Lab ID: L1501593-01
Client ID: SB-01 (7-9)
Sample Location: BUFFALO, NY
Matrix: Soil
Percent Solids: 88%

Date Collected: 01/22/15 12:48
Date Received: 01/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5600		mg/kg	8.6	1.7	2	01/29/15 13:06	01/29/15 19:04	EPA 3050B	1,6010C	JH
Antimony, Total	2.6	J	mg/kg	4.3	0.69	2	01/29/15 13:06	01/29/15 19:04	EPA 3050B	1,6010C	JH
Arsenic, Total	2.2		mg/kg	0.86	0.17	2	01/29/15 13:06	01/29/15 19:04	EPA 3050B	1,6010C	JH
Barium, Total	58		mg/kg	0.86	0.26	2	01/29/15 13:06	01/29/15 19:04	EPA 3050B	1,6010C	JH
Beryllium, Total	0.22	J	mg/kg	0.43	0.09	2	01/29/15 13:06	01/29/15 19:04	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.86	0.06	2	01/29/15 13:06	01/29/15 19:04	EPA 3050B	1,6010C	JH
Calcium, Total	60000		mg/kg	8.6	2.6	2	01/29/15 13:06	01/29/15 19:04	EPA 3050B	1,6010C	JH
Chromium, Total	9.0		mg/kg	0.86	0.17	2	01/29/15 13:06	01/29/15 19:04	EPA 3050B	1,6010C	JH
Cobalt, Total	4.1		mg/kg	1.7	0.43	2	01/29/15 13:06	01/29/15 19:04	EPA 3050B	1,6010C	JH
Copper, Total	11		mg/kg	0.86	0.17	2	01/29/15 13:06	01/29/15 19:04	EPA 3050B	1,6010C	JH
Iron, Total	11000		mg/kg	4.3	1.7	2	01/29/15 13:06	01/29/15 19:04	EPA 3050B	1,6010C	JH
Lead, Total	7.0		mg/kg	4.3	0.17	2	01/29/15 13:06	01/29/15 19:04	EPA 3050B	1,6010C	JH
Magnesium, Total	21000		mg/kg	8.6	0.86	2	01/29/15 13:06	01/29/15 19:04	EPA 3050B	1,6010C	JH
Manganese, Total	340		mg/kg	0.86	0.17	2	01/29/15 13:06	01/29/15 19:04	EPA 3050B	1,6010C	JH
Mercury, Total	ND		mg/kg	0.08	0.02	1	01/29/15 08:30	01/29/15 11:25	EPA 7471B	1,7471B	MC
Nickel, Total	8.6		mg/kg	2.2	0.34	2	01/29/15 13:06	01/29/15 19:04	EPA 3050B	1,6010C	JH
Potassium, Total	1200		mg/kg	220	34.	2	01/29/15 13:06	01/29/15 19:04	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	1.7	0.26	2	01/29/15 13:06	01/29/15 19:04	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.86	0.17	2	01/29/15 13:06	01/29/15 19:04	EPA 3050B	1,6010C	JH
Sodium, Total	220		mg/kg	170	26.	2	01/29/15 13:06	01/29/15 19:04	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.7	0.34	2	01/29/15 13:06	01/29/15 19:04	EPA 3050B	1,6010C	JH
Vanadium, Total	15		mg/kg	0.86	0.09	2	01/29/15 13:06	01/29/15 19:04	EPA 3050B	1,6010C	JH
Zinc, Total	63		mg/kg	4.3	0.60	2	01/29/15 13:06	01/29/15 19:04	EPA 3050B	1,6010C	JH

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

SAMPLE RESULTS

Lab ID: L1501593-02
Client ID: SB-02 (6-8)
Sample Location: BUFFALO, NY
Matrix: Soil
Percent Solids: 90%

Date Collected: 01/22/15 16:10
Date Received: 01/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5100		mg/kg	8.7	1.7	2	01/29/15 13:06	01/29/15 19:45	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.4	0.70	2	01/29/15 13:06	01/29/15 19:45	EPA 3050B	1,6010C	JH
Arsenic, Total	2.1		mg/kg	0.87	0.17	2	01/29/15 13:06	01/29/15 19:45	EPA 3050B	1,6010C	JH
Barium, Total	42		mg/kg	0.87	0.26	2	01/29/15 13:06	01/29/15 19:45	EPA 3050B	1,6010C	JH
Beryllium, Total	0.21	J	mg/kg	0.44	0.09	2	01/29/15 13:06	01/29/15 19:45	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.87	0.06	2	01/29/15 13:06	01/29/15 19:45	EPA 3050B	1,6010C	JH
Calcium, Total	65000		mg/kg	8.7	2.6	2	01/29/15 13:06	01/29/15 19:45	EPA 3050B	1,6010C	JH
Chromium, Total	8.6		mg/kg	0.87	0.17	2	01/29/15 13:06	01/29/15 19:45	EPA 3050B	1,6010C	JH
Cobalt, Total	3.9		mg/kg	1.7	0.44	2	01/29/15 13:06	01/29/15 19:45	EPA 3050B	1,6010C	JH
Copper, Total	11		mg/kg	0.87	0.17	2	01/29/15 13:06	01/29/15 19:45	EPA 3050B	1,6010C	JH
Iron, Total	9900		mg/kg	4.4	1.7	2	01/29/15 13:06	01/29/15 19:45	EPA 3050B	1,6010C	JH
Lead, Total	6.4		mg/kg	4.4	0.17	2	01/29/15 13:06	01/29/15 19:45	EPA 3050B	1,6010C	JH
Magnesium, Total	27000		mg/kg	8.7	0.87	2	01/29/15 13:06	01/29/15 19:45	EPA 3050B	1,6010C	JH
Manganese, Total	290		mg/kg	0.87	0.17	2	01/29/15 13:06	01/29/15 19:45	EPA 3050B	1,6010C	JH
Mercury, Total	ND		mg/kg	0.08	0.02	1	01/29/15 08:30	01/29/15 11:31	EPA 7471B	1,7471B	MC
Nickel, Total	8.2		mg/kg	2.2	0.35	2	01/29/15 13:06	01/29/15 19:45	EPA 3050B	1,6010C	JH
Potassium, Total	1100		mg/kg	220	35.	2	01/29/15 13:06	01/29/15 19:45	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	1.7	0.26	2	01/29/15 13:06	01/29/15 19:45	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.87	0.17	2	01/29/15 13:06	01/29/15 19:45	EPA 3050B	1,6010C	JH
Sodium, Total	170		mg/kg	170	26.	2	01/29/15 13:06	01/29/15 19:45	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.7	0.35	2	01/29/15 13:06	01/29/15 19:45	EPA 3050B	1,6010C	JH
Vanadium, Total	14		mg/kg	0.87	0.09	2	01/29/15 13:06	01/29/15 19:45	EPA 3050B	1,6010C	JH
Zinc, Total	64		mg/kg	4.4	0.61	2	01/29/15 13:06	01/29/15 19:45	EPA 3050B	1,6010C	JH

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

SAMPLE RESULTS

Lab ID: L1501593-03
Client ID: SB-03 (6-8)
Sample Location: BUFFALO, NY
Matrix: Soil
Percent Solids: 90%

Date Collected: 01/22/15 11:36
Date Received: 01/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4200		mg/kg	8.5	1.7	2	01/29/15 13:06	01/29/15 19:49	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.2	0.68	2	01/29/15 13:06	01/29/15 19:49	EPA 3050B	1,6010C	JH
Arsenic, Total	2.2		mg/kg	0.85	0.17	2	01/29/15 13:06	01/29/15 19:49	EPA 3050B	1,6010C	JH
Barium, Total	40		mg/kg	0.85	0.25	2	01/29/15 13:06	01/29/15 19:49	EPA 3050B	1,6010C	JH
Beryllium, Total	0.18	J	mg/kg	0.42	0.09	2	01/29/15 13:06	01/29/15 19:49	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.85	0.06	2	01/29/15 13:06	01/29/15 19:49	EPA 3050B	1,6010C	JH
Calcium, Total	71000		mg/kg	8.5	2.5	2	01/29/15 13:06	01/29/15 19:49	EPA 3050B	1,6010C	JH
Chromium, Total	7.3		mg/kg	0.85	0.17	2	01/29/15 13:06	01/29/15 19:49	EPA 3050B	1,6010C	JH
Cobalt, Total	3.0		mg/kg	1.7	0.42	2	01/29/15 13:06	01/29/15 19:49	EPA 3050B	1,6010C	JH
Copper, Total	10		mg/kg	0.85	0.17	2	01/29/15 13:06	01/29/15 19:49	EPA 3050B	1,6010C	JH
Iron, Total	8400		mg/kg	4.2	1.7	2	01/29/15 13:06	01/29/15 19:49	EPA 3050B	1,6010C	JH
Lead, Total	5.6		mg/kg	4.2	0.17	2	01/29/15 13:06	01/29/15 19:49	EPA 3050B	1,6010C	JH
Magnesium, Total	30000		mg/kg	8.5	0.85	2	01/29/15 13:06	01/29/15 19:49	EPA 3050B	1,6010C	JH
Manganese, Total	300		mg/kg	0.85	0.17	2	01/29/15 13:06	01/29/15 19:49	EPA 3050B	1,6010C	JH
Mercury, Total	0.02	J	mg/kg	0.07	0.02	1	01/29/15 08:30	01/29/15 11:32	EPA 7471B	1,7471B	MC
Nickel, Total	7.0		mg/kg	2.1	0.34	2	01/29/15 13:06	01/29/15 19:49	EPA 3050B	1,6010C	JH
Potassium, Total	960		mg/kg	210	34.	2	01/29/15 13:06	01/29/15 19:49	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	1.7	0.25	2	01/29/15 13:06	01/29/15 19:49	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.85	0.17	2	01/29/15 13:06	01/29/15 19:49	EPA 3050B	1,6010C	JH
Sodium, Total	240		mg/kg	170	25.	2	01/29/15 13:06	01/29/15 19:49	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.7	0.34	2	01/29/15 13:06	01/29/15 19:49	EPA 3050B	1,6010C	JH
Vanadium, Total	12		mg/kg	0.85	0.09	2	01/29/15 13:06	01/29/15 19:49	EPA 3050B	1,6010C	JH
Zinc, Total	57		mg/kg	4.2	0.59	2	01/29/15 13:06	01/29/15 19:49	EPA 3050B	1,6010C	JH

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

SAMPLE RESULTS

Lab ID: L1501593-04
Client ID: SB-04 (8-10)
Sample Location: BUFFALO, NY
Matrix: Soil
Percent Solids: 89%

Date Collected: 01/22/15 11:00
Date Received: 01/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5300		mg/kg	8.5	1.7	2	01/29/15 13:06	01/29/15 18:49	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.2	0.68	2	01/29/15 13:06	01/29/15 18:49	EPA 3050B	1,6010C	JH
Arsenic, Total	2.5		mg/kg	0.85	0.17	2	01/29/15 13:06	01/29/15 18:49	EPA 3050B	1,6010C	JH
Barium, Total	54		mg/kg	0.85	0.25	2	01/29/15 13:06	01/29/15 18:49	EPA 3050B	1,6010C	JH
Beryllium, Total	0.19	J	mg/kg	0.42	0.09	2	01/29/15 13:06	01/29/15 18:49	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.85	0.06	2	01/29/15 13:06	01/29/15 18:49	EPA 3050B	1,6010C	JH
Calcium, Total	62000		mg/kg	8.5	2.5	2	01/29/15 13:06	01/29/15 18:49	EPA 3050B	1,6010C	JH
Chromium, Total	8.7		mg/kg	0.85	0.17	2	01/29/15 13:06	01/29/15 18:49	EPA 3050B	1,6010C	JH
Cobalt, Total	4.0		mg/kg	1.7	0.42	2	01/29/15 13:06	01/29/15 18:49	EPA 3050B	1,6010C	JH
Copper, Total	12		mg/kg	0.85	0.17	2	01/29/15 13:06	01/29/15 18:49	EPA 3050B	1,6010C	JH
Iron, Total	11000		mg/kg	4.2	1.7	2	01/29/15 13:06	01/29/15 18:49	EPA 3050B	1,6010C	JH
Lead, Total	5.4		mg/kg	4.2	0.17	2	01/29/15 13:06	01/29/15 18:49	EPA 3050B	1,6010C	JH
Magnesium, Total	23000		mg/kg	8.5	0.85	2	01/29/15 13:06	01/29/15 18:49	EPA 3050B	1,6010C	JH
Manganese, Total	310		mg/kg	0.85	0.17	2	01/29/15 13:06	01/29/15 18:49	EPA 3050B	1,6010C	JH
Mercury, Total	0.03	J	mg/kg	0.07	0.02	1	01/29/15 08:30	01/29/15 11:34	EPA 7471B	1,7471B	MC
Nickel, Total	8.0		mg/kg	2.1	0.34	2	01/29/15 13:06	01/29/15 18:49	EPA 3050B	1,6010C	JH
Potassium, Total	1100		mg/kg	210	34.	2	01/29/15 13:06	01/29/15 18:49	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	1.7	0.25	2	01/29/15 13:06	01/29/15 18:49	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.85	0.17	2	01/29/15 13:06	01/29/15 18:49	EPA 3050B	1,6010C	JH
Sodium, Total	220		mg/kg	170	25.	2	01/29/15 13:06	01/29/15 18:49	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.7	0.34	2	01/29/15 13:06	01/29/15 18:49	EPA 3050B	1,6010C	JH
Vanadium, Total	15		mg/kg	0.85	0.09	2	01/29/15 13:06	01/29/15 18:49	EPA 3050B	1,6010C	JH
Zinc, Total	63		mg/kg	4.2	0.59	2	01/29/15 13:06	01/29/15 18:49	EPA 3050B	1,6010C	JH

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

SAMPLE RESULTS

Lab ID: L1501593-05
Client ID: SB-05 (5-7)
Sample Location: BUFFALO, NY
Matrix: Soil
Percent Solids: 87%

Date Collected: 01/22/15 13:56
Date Received: 01/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6300		mg/kg	8.6	1.7	2	01/29/15 13:06	01/29/15 19:52	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.3	0.68	2	01/29/15 13:06	01/29/15 19:52	EPA 3050B	1,6010C	JH
Arsenic, Total	2.7		mg/kg	0.86	0.17	2	01/29/15 13:06	01/29/15 19:52	EPA 3050B	1,6010C	JH
Barium, Total	58		mg/kg	0.86	0.26	2	01/29/15 13:06	01/29/15 19:52	EPA 3050B	1,6010C	JH
Beryllium, Total	0.26	J	mg/kg	0.43	0.09	2	01/29/15 13:06	01/29/15 19:52	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.86	0.06	2	01/29/15 13:06	01/29/15 19:52	EPA 3050B	1,6010C	JH
Calcium, Total	58000		mg/kg	8.6	2.6	2	01/29/15 13:06	01/29/15 19:52	EPA 3050B	1,6010C	JH
Chromium, Total	9.9		mg/kg	0.86	0.17	2	01/29/15 13:06	01/29/15 19:52	EPA 3050B	1,6010C	JH
Cobalt, Total	4.4		mg/kg	1.7	0.43	2	01/29/15 13:06	01/29/15 19:52	EPA 3050B	1,6010C	JH
Copper, Total	12		mg/kg	0.86	0.17	2	01/29/15 13:06	01/29/15 19:52	EPA 3050B	1,6010C	JH
Iron, Total	11000		mg/kg	4.3	1.7	2	01/29/15 13:06	01/29/15 19:52	EPA 3050B	1,6010C	JH
Lead, Total	7.9		mg/kg	4.3	0.17	2	01/29/15 13:06	01/29/15 19:52	EPA 3050B	1,6010C	JH
Magnesium, Total	20000		mg/kg	8.6	0.86	2	01/29/15 13:06	01/29/15 19:52	EPA 3050B	1,6010C	JH
Manganese, Total	340		mg/kg	0.86	0.17	2	01/29/15 13:06	01/29/15 19:52	EPA 3050B	1,6010C	JH
Mercury, Total	0.02	J	mg/kg	0.08	0.02	1	01/29/15 08:30	01/29/15 11:47	EPA 7471B	1,7471B	MC
Nickel, Total	9.0		mg/kg	2.1	0.34	2	01/29/15 13:06	01/29/15 19:52	EPA 3050B	1,6010C	JH
Potassium, Total	1100		mg/kg	210	34.	2	01/29/15 13:06	01/29/15 19:52	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	1.7	0.26	2	01/29/15 13:06	01/29/15 19:52	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.86	0.17	2	01/29/15 13:06	01/29/15 19:52	EPA 3050B	1,6010C	JH
Sodium, Total	270		mg/kg	170	26.	2	01/29/15 13:06	01/29/15 19:52	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.7	0.34	2	01/29/15 13:06	01/29/15 19:52	EPA 3050B	1,6010C	JH
Vanadium, Total	17		mg/kg	0.86	0.09	2	01/29/15 13:06	01/29/15 19:52	EPA 3050B	1,6010C	JH
Zinc, Total	58		mg/kg	4.3	0.60	2	01/29/15 13:06	01/29/15 19:52	EPA 3050B	1,6010C	JH

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

SAMPLE RESULTS

Lab ID: L1501593-06
Client ID: SB-06 (4.5-6.5)
Sample Location: BUFFALO, NY
Matrix: Soil
Percent Solids: 84%

Date Collected: 01/22/15 10:41
Date Received: 01/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6300		mg/kg	9.0	1.8	2	01/29/15 13:06	01/29/15 19:56	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.5	0.72	2	01/29/15 13:06	01/29/15 19:56	EPA 3050B	1,6010C	JH
Arsenic, Total	2.8		mg/kg	0.90	0.18	2	01/29/15 13:06	01/29/15 19:56	EPA 3050B	1,6010C	JH
Barium, Total	57		mg/kg	0.90	0.27	2	01/29/15 13:06	01/29/15 19:56	EPA 3050B	1,6010C	JH
Beryllium, Total	0.26	J	mg/kg	0.45	0.09	2	01/29/15 13:06	01/29/15 19:56	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.90	0.06	2	01/29/15 13:06	01/29/15 19:56	EPA 3050B	1,6010C	JH
Calcium, Total	61000		mg/kg	9.0	2.7	2	01/29/15 13:06	01/29/15 19:56	EPA 3050B	1,6010C	JH
Chromium, Total	10		mg/kg	0.90	0.18	2	01/29/15 13:06	01/29/15 19:56	EPA 3050B	1,6010C	JH
Cobalt, Total	5.2		mg/kg	1.8	0.45	2	01/29/15 13:06	01/29/15 19:56	EPA 3050B	1,6010C	JH
Copper, Total	15		mg/kg	0.90	0.18	2	01/29/15 13:06	01/29/15 19:56	EPA 3050B	1,6010C	JH
Iron, Total	12000		mg/kg	4.5	1.8	2	01/29/15 13:06	01/29/15 19:56	EPA 3050B	1,6010C	JH
Lead, Total	15		mg/kg	4.5	0.18	2	01/29/15 13:06	01/29/15 19:56	EPA 3050B	1,6010C	JH
Magnesium, Total	22000		mg/kg	9.0	0.90	2	01/29/15 13:06	01/29/15 19:56	EPA 3050B	1,6010C	JH
Manganese, Total	380		mg/kg	0.90	0.18	2	01/29/15 13:06	01/29/15 19:56	EPA 3050B	1,6010C	JH
Mercury, Total	ND		mg/kg	0.08	0.02	1	01/29/15 08:30	01/29/15 11:49	EPA 7471B	1,7471B	MC
Nickel, Total	10		mg/kg	2.2	0.36	2	01/29/15 13:06	01/29/15 19:56	EPA 3050B	1,6010C	JH
Potassium, Total	1100		mg/kg	220	36.	2	01/29/15 13:06	01/29/15 19:56	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	1.8	0.27	2	01/29/15 13:06	01/29/15 19:56	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.90	0.18	2	01/29/15 13:06	01/29/15 19:56	EPA 3050B	1,6010C	JH
Sodium, Total	210		mg/kg	180	27.	2	01/29/15 13:06	01/29/15 19:56	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.8	0.36	2	01/29/15 13:06	01/29/15 19:56	EPA 3050B	1,6010C	JH
Vanadium, Total	18		mg/kg	0.90	0.09	2	01/29/15 13:06	01/29/15 19:56	EPA 3050B	1,6010C	JH
Zinc, Total	73		mg/kg	4.5	0.63	2	01/29/15 13:06	01/29/15 19:56	EPA 3050B	1,6010C	JH

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

SAMPLE RESULTS

Lab ID: L1501593-07
Client ID: SB-07 (6-8)
Sample Location: BUFFALO, NY
Matrix: Soil
Percent Solids: 87%

Date Collected: 01/22/15 09:31
Date Received: 01/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5200		mg/kg	8.8	1.8	2	01/29/15 13:06	01/29/15 20:00	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.4	0.70	2	01/29/15 13:06	01/29/15 20:00	EPA 3050B	1,6010C	JH
Arsenic, Total	3.1		mg/kg	0.88	0.18	2	01/29/15 13:06	01/29/15 20:00	EPA 3050B	1,6010C	JH
Barium, Total	47		mg/kg	0.88	0.26	2	01/29/15 13:06	01/29/15 20:00	EPA 3050B	1,6010C	JH
Beryllium, Total	0.19	J	mg/kg	0.44	0.09	2	01/29/15 13:06	01/29/15 20:00	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.88	0.06	2	01/29/15 13:06	01/29/15 20:00	EPA 3050B	1,6010C	JH
Calcium, Total	58000		mg/kg	8.8	2.6	2	01/29/15 13:06	01/29/15 20:00	EPA 3050B	1,6010C	JH
Chromium, Total	7.8		mg/kg	0.88	0.18	2	01/29/15 13:06	01/29/15 20:00	EPA 3050B	1,6010C	JH
Cobalt, Total	3.7		mg/kg	1.8	0.44	2	01/29/15 13:06	01/29/15 20:00	EPA 3050B	1,6010C	JH
Copper, Total	9.9		mg/kg	0.88	0.18	2	01/29/15 13:06	01/29/15 20:00	EPA 3050B	1,6010C	JH
Iron, Total	10000		mg/kg	4.4	1.8	2	01/29/15 13:06	01/29/15 20:00	EPA 3050B	1,6010C	JH
Lead, Total	7.4		mg/kg	4.4	0.18	2	01/29/15 13:06	01/29/15 20:00	EPA 3050B	1,6010C	JH
Magnesium, Total	21000		mg/kg	8.8	0.88	2	01/29/15 13:06	01/29/15 20:00	EPA 3050B	1,6010C	JH
Manganese, Total	300		mg/kg	0.88	0.18	2	01/29/15 13:06	01/29/15 20:00	EPA 3050B	1,6010C	JH
Mercury, Total	ND		mg/kg	0.08	0.02	1	01/29/15 08:30	01/30/15 09:33	EPA 7471B	1,7471B	MC
Nickel, Total	7.5		mg/kg	2.2	0.35	2	01/29/15 13:06	01/29/15 20:00	EPA 3050B	1,6010C	JH
Potassium, Total	1200		mg/kg	220	35.	2	01/29/15 13:06	01/29/15 20:00	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	1.8	0.26	2	01/29/15 13:06	01/29/15 20:00	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.88	0.18	2	01/29/15 13:06	01/29/15 20:00	EPA 3050B	1,6010C	JH
Sodium, Total	180		mg/kg	180	26.	2	01/29/15 13:06	01/29/15 20:00	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.8	0.35	2	01/29/15 13:06	01/29/15 20:00	EPA 3050B	1,6010C	JH
Vanadium, Total	13		mg/kg	0.88	0.09	2	01/29/15 13:06	01/29/15 20:00	EPA 3050B	1,6010C	JH
Zinc, Total	65		mg/kg	4.4	0.61	2	01/29/15 13:06	01/29/15 20:00	EPA 3050B	1,6010C	JH

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

SAMPLE RESULTS

Lab ID: L1501593-08
Client ID: SB-08 (5-7)
Sample Location: BUFFALO, NY
Matrix: Soil
Percent Solids: 89%

Date Collected: 01/22/15 14:54
Date Received: 01/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6400		mg/kg	8.8	1.8	2	01/29/15 13:06	01/29/15 20:04	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.4	0.71	2	01/29/15 13:06	01/29/15 20:04	EPA 3050B	1,6010C	JH
Arsenic, Total	3.3		mg/kg	0.88	0.18	2	01/29/15 13:06	01/29/15 20:04	EPA 3050B	1,6010C	JH
Barium, Total	56		mg/kg	0.88	0.26	2	01/29/15 13:06	01/29/15 20:04	EPA 3050B	1,6010C	JH
Beryllium, Total	0.25	J	mg/kg	0.44	0.09	2	01/29/15 13:06	01/29/15 20:04	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.88	0.06	2	01/29/15 13:06	01/29/15 20:04	EPA 3050B	1,6010C	JH
Calcium, Total	63000		mg/kg	8.8	2.6	2	01/29/15 13:06	01/29/15 20:04	EPA 3050B	1,6010C	JH
Chromium, Total	9.9		mg/kg	0.88	0.18	2	01/29/15 13:06	01/29/15 20:04	EPA 3050B	1,6010C	JH
Cobalt, Total	4.6		mg/kg	1.8	0.44	2	01/29/15 13:06	01/29/15 20:04	EPA 3050B	1,6010C	JH
Copper, Total	14		mg/kg	0.88	0.18	2	01/29/15 13:06	01/29/15 20:04	EPA 3050B	1,6010C	JH
Iron, Total	13000		mg/kg	4.4	1.8	2	01/29/15 13:06	01/29/15 20:04	EPA 3050B	1,6010C	JH
Lead, Total	7.8		mg/kg	4.4	0.18	2	01/29/15 13:06	01/29/15 20:04	EPA 3050B	1,6010C	JH
Magnesium, Total	22000		mg/kg	8.8	0.88	2	01/29/15 13:06	01/29/15 20:04	EPA 3050B	1,6010C	JH
Manganese, Total	390		mg/kg	0.88	0.18	2	01/29/15 13:06	01/29/15 20:04	EPA 3050B	1,6010C	JH
Mercury, Total	ND		mg/kg	0.07	0.02	1	01/29/15 08:30	01/30/15 09:35	EPA 7471B	1,7471B	MC
Nickel, Total	10		mg/kg	2.2	0.35	2	01/29/15 13:06	01/29/15 20:04	EPA 3050B	1,6010C	JH
Potassium, Total	1200		mg/kg	220	35.	2	01/29/15 13:06	01/29/15 20:04	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	1.8	0.26	2	01/29/15 13:06	01/29/15 20:04	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.88	0.18	2	01/29/15 13:06	01/29/15 20:04	EPA 3050B	1,6010C	JH
Sodium, Total	180		mg/kg	180	26.	2	01/29/15 13:06	01/29/15 20:04	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.8	0.35	2	01/29/15 13:06	01/29/15 20:04	EPA 3050B	1,6010C	JH
Vanadium, Total	18		mg/kg	0.88	0.09	2	01/29/15 13:06	01/29/15 20:04	EPA 3050B	1,6010C	JH
Zinc, Total	59		mg/kg	4.4	0.62	2	01/29/15 13:06	01/29/15 20:04	EPA 3050B	1,6010C	JH

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

SAMPLE RESULTS

Lab ID: L1501593-09
Client ID: SB-09 (4.5-6.5)
Sample Location: BUFFALO, NY
Matrix: Soil
Percent Solids: 87%

Date Collected: 01/22/15 15:17
Date Received: 01/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6600		mg/kg	8.8	1.8	2	01/29/15 13:06	01/29/15 20:08	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.4	0.70	2	01/29/15 13:06	01/29/15 20:08	EPA 3050B	1,6010C	JH
Arsenic, Total	2.4		mg/kg	0.88	0.18	2	01/29/15 13:06	01/29/15 20:08	EPA 3050B	1,6010C	JH
Barium, Total	64		mg/kg	0.88	0.26	2	01/29/15 13:06	01/29/15 20:08	EPA 3050B	1,6010C	JH
Beryllium, Total	0.26	J	mg/kg	0.44	0.09	2	01/29/15 13:06	01/29/15 20:08	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.88	0.06	2	01/29/15 13:06	01/29/15 20:08	EPA 3050B	1,6010C	JH
Calcium, Total	64000		mg/kg	8.8	2.6	2	01/29/15 13:06	01/29/15 20:08	EPA 3050B	1,6010C	JH
Chromium, Total	10		mg/kg	0.88	0.18	2	01/29/15 13:06	01/29/15 20:08	EPA 3050B	1,6010C	JH
Cobalt, Total	4.6		mg/kg	1.8	0.44	2	01/29/15 13:06	01/29/15 20:08	EPA 3050B	1,6010C	JH
Copper, Total	12		mg/kg	0.88	0.18	2	01/29/15 13:06	01/29/15 20:08	EPA 3050B	1,6010C	JH
Iron, Total	12000		mg/kg	4.4	1.8	2	01/29/15 13:06	01/29/15 20:08	EPA 3050B	1,6010C	JH
Lead, Total	8.3		mg/kg	4.4	0.18	2	01/29/15 13:06	01/29/15 20:08	EPA 3050B	1,6010C	JH
Magnesium, Total	22000		mg/kg	8.8	0.88	2	01/29/15 13:06	01/29/15 20:08	EPA 3050B	1,6010C	JH
Manganese, Total	360		mg/kg	0.88	0.18	2	01/29/15 13:06	01/29/15 20:08	EPA 3050B	1,6010C	JH
Mercury, Total	ND		mg/kg	0.08	0.02	1	01/29/15 08:30	01/30/15 09:40	EPA 7471B	1,7471B	MC
Nickel, Total	10		mg/kg	2.2	0.35	2	01/29/15 13:06	01/29/15 20:08	EPA 3050B	1,6010C	JH
Potassium, Total	1400		mg/kg	220	35.	2	01/29/15 13:06	01/29/15 20:08	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	1.8	0.26	2	01/29/15 13:06	01/29/15 20:08	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.88	0.18	2	01/29/15 13:06	01/29/15 20:08	EPA 3050B	1,6010C	JH
Sodium, Total	200		mg/kg	180	26.	2	01/29/15 13:06	01/29/15 20:08	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.8	0.35	2	01/29/15 13:06	01/29/15 20:08	EPA 3050B	1,6010C	JH
Vanadium, Total	17		mg/kg	0.88	0.09	2	01/29/15 13:06	01/29/15 20:08	EPA 3050B	1,6010C	JH
Zinc, Total	65		mg/kg	4.4	0.62	2	01/29/15 13:06	01/29/15 20:08	EPA 3050B	1,6010C	JH

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

SAMPLE RESULTS

Lab ID: L1501593-10
Client ID: BLIND DUP #1
Sample Location: BUFFALO, NY
Matrix: Soil
Percent Solids: 85%

Date Collected: 01/22/15 00:00
Date Received: 01/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6300		mg/kg	9.2	1.8	2	01/29/15 13:06	01/29/15 20:12	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.6	0.73	2	01/29/15 13:06	01/29/15 20:12	EPA 3050B	1,6010C	JH
Arsenic, Total	3.4		mg/kg	0.92	0.18	2	01/29/15 13:06	01/29/15 20:12	EPA 3050B	1,6010C	JH
Barium, Total	55		mg/kg	0.92	0.27	2	01/29/15 13:06	01/29/15 20:12	EPA 3050B	1,6010C	JH
Beryllium, Total	0.25	J	mg/kg	0.46	0.09	2	01/29/15 13:06	01/29/15 20:12	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.92	0.06	2	01/29/15 13:06	01/29/15 20:12	EPA 3050B	1,6010C	JH
Calcium, Total	63000		mg/kg	9.2	2.7	2	01/29/15 13:06	01/29/15 20:12	EPA 3050B	1,6010C	JH
Chromium, Total	10		mg/kg	0.92	0.18	2	01/29/15 13:06	01/29/15 20:12	EPA 3050B	1,6010C	JH
Cobalt, Total	4.2		mg/kg	1.8	0.46	2	01/29/15 13:06	01/29/15 20:12	EPA 3050B	1,6010C	JH
Copper, Total	13		mg/kg	0.92	0.18	2	01/29/15 13:06	01/29/15 20:12	EPA 3050B	1,6010C	JH
Iron, Total	12000		mg/kg	4.6	1.8	2	01/29/15 13:06	01/29/15 20:12	EPA 3050B	1,6010C	JH
Lead, Total	7.2		mg/kg	4.6	0.18	2	01/29/15 13:06	01/29/15 20:12	EPA 3050B	1,6010C	JH
Magnesium, Total	23000		mg/kg	9.2	0.92	2	01/29/15 13:06	01/29/15 20:12	EPA 3050B	1,6010C	JH
Manganese, Total	360		mg/kg	0.92	0.18	2	01/29/15 13:06	01/29/15 20:12	EPA 3050B	1,6010C	JH
Mercury, Total	0.02	J	mg/kg	0.07	0.02	1	01/29/15 08:30	01/30/15 09:42	EPA 7471B	1,7471B	MC
Nickel, Total	9.3		mg/kg	2.3	0.37	2	01/29/15 13:06	01/29/15 20:12	EPA 3050B	1,6010C	JH
Potassium, Total	1200		mg/kg	230	37.	2	01/29/15 13:06	01/29/15 20:12	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	1.8	0.27	2	01/29/15 13:06	01/29/15 20:12	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.92	0.18	2	01/29/15 13:06	01/29/15 20:12	EPA 3050B	1,6010C	JH
Sodium, Total	170	J	mg/kg	180	27.	2	01/29/15 13:06	01/29/15 20:12	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.8	0.37	2	01/29/15 13:06	01/29/15 20:12	EPA 3050B	1,6010C	JH
Vanadium, Total	17		mg/kg	0.92	0.09	2	01/29/15 13:06	01/29/15 20:12	EPA 3050B	1,6010C	JH
Zinc, Total	62		mg/kg	4.6	0.64	2	01/29/15 13:06	01/29/15 20:12	EPA 3050B	1,6010C	JH

Project Name: 905 ELMWOOD AVE. **Lab Number:** L1501593

Project Number: 0136-014-002 **Report Date:** 01/30/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-10 Batch: WG759070-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	01/29/15 08:30	01/29/15 11:21	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-10 Batch: WG759204-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	01/29/15 13:06	01/29/15 18:41	1,6010C	JH
Antimony, Total	ND		mg/kg	2.0	0.32	1	01/29/15 13:06	01/29/15 18:41	1,6010C	JH
Arsenic, Total	ND		mg/kg	0.40	0.08	1	01/29/15 13:06	01/29/15 18:41	1,6010C	JH
Barium, Total	ND		mg/kg	0.40	0.12	1	01/29/15 13:06	01/29/15 18:41	1,6010C	JH
Beryllium, Total	ND		mg/kg	0.20	0.04	1	01/29/15 13:06	01/29/15 18:41	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.40	0.03	1	01/29/15 13:06	01/29/15 18:41	1,6010C	JH
Calcium, Total	ND		mg/kg	4.0	1.2	1	01/29/15 13:06	01/29/15 18:41	1,6010C	JH
Chromium, Total	ND		mg/kg	0.40	0.08	1	01/29/15 13:06	01/29/15 18:41	1,6010C	JH
Cobalt, Total	ND		mg/kg	0.80	0.20	1	01/29/15 13:06	01/29/15 18:41	1,6010C	JH
Copper, Total	ND		mg/kg	0.40	0.08	1	01/29/15 13:06	01/29/15 18:41	1,6010C	JH
Iron, Total	ND		mg/kg	2.0	0.80	1	01/29/15 13:06	01/29/15 18:41	1,6010C	JH
Lead, Total	ND		mg/kg	2.0	0.08	1	01/29/15 13:06	01/29/15 18:41	1,6010C	JH
Magnesium, Total	ND		mg/kg	4.0	0.40	1	01/29/15 13:06	01/29/15 18:41	1,6010C	JH
Manganese, Total	ND		mg/kg	0.40	0.08	1	01/29/15 13:06	01/29/15 18:41	1,6010C	JH
Nickel, Total	ND		mg/kg	1.0	0.16	1	01/29/15 13:06	01/29/15 18:41	1,6010C	JH
Potassium, Total	ND		mg/kg	100	16.	1	01/29/15 13:06	01/29/15 18:41	1,6010C	JH
Selenium, Total	ND		mg/kg	0.80	0.12	1	01/29/15 13:06	01/29/15 18:41	1,6010C	JH
Silver, Total	ND		mg/kg	0.40	0.08	1	01/29/15 13:06	01/29/15 18:41	1,6010C	JH
Sodium, Total	ND		mg/kg	80	12.	1	01/29/15 13:06	01/29/15 18:41	1,6010C	JH
Thallium, Total	ND		mg/kg	0.80	0.16	1	01/29/15 13:06	01/29/15 18:41	1,6010C	JH
Vanadium, Total	ND		mg/kg	0.40	0.04	1	01/29/15 13:06	01/29/15 18:41	1,6010C	JH
Zinc, Total	ND		mg/kg	2.0	0.28	1	01/29/15 13:06	01/29/15 18:41	1,6010C	JH

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1501593
Report Date: 01/30/15

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1501593
Report Date: 01/30/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-10 Batch: WG759070-2 SRM Lot Number: D083-540								
Mercury, Total	126		-		75-126	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1501593
Report Date: 01/30/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-10 Batch: WG759204-2 SRM Lot Number: D083-540					
Aluminum, Total	86	-	51-148	-	
Antimony, Total	181	-	1-210	-	
Arsenic, Total	106	-	78-122	-	
Barium, Total	102	-	82-117	-	
Beryllium, Total	105	-	82-118	-	
Cadmium, Total	103	-	82-118	-	
Calcium, Total	98	-	82-118	-	
Chromium, Total	95	-	79-121	-	
Cobalt, Total	101	-	83-117	-	
Copper, Total	97	-	80-120	-	
Iron, Total	106	-	47-153	-	
Lead, Total	94	-	81-119	-	
Magnesium, Total	86	-	75-124	-	
Manganese, Total	100	-	81-119	-	
Nickel, Total	101	-	82-118	-	
Potassium, Total	96	-	70-130	-	
Selenium, Total	109	-	78-123	-	
Silver, Total	94	-	74-125	-	
Sodium, Total	93	-	70-130	-	
Thallium, Total	103	-	78-122	-	
Vanadium, Total	98	-	65-135	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1501593
Report Date: 01/30/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-10 Batch: WG759204-2 SRM Lot Number: D083-540					
Zinc, Total	101	-	80-121	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG759070-3 WG759070-4 QC Sample: L1501593-04 Client ID: SB-04 (8-10)												
Mercury, Total	0.03J	0.151	0.24	**158**	Q	0.21	**144**	Q	80-120	13		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1501593
Report Date: 01/30/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG759204-4 WG759204-5 QC Sample: L1501593-04 Client ID: SB-04 (8-10)											
Aluminum, Total	5300	177	5900	**340**	Q	5800	**292**	Q	75-125	2	20
Antimony, Total	ND	44.2	42	95		41	96		75-125	2	20
Arsenic, Total	2.5	10.6	13	99		13	102		75-125	0	20
Barium, Total	54.	177	220	94		210	91		75-125	5	20
Beryllium, Total	0.19J	4.42	4.3	97		4.2	98		75-125	2	20
Cadmium, Total	ND	4.5	3.9	86		3.8	87		75-125	3	20
Calcium, Total	62000	883	65000	**340**	Q	74000	**1400**	Q	75-125	13	20
Chromium, Total	8.7	17.7	25	92		25	95		75-125	0	20
Cobalt, Total	4.0	44.2	42	86		41	86		75-125	2	20
Copper, Total	12.	22.1	34	100		34	103		75-125	0	20
Iron, Total	11000	88.3	10000	**0**	Q	10000	**0**	Q	75-125	0	20
Lead, Total	5.4	45	45	88		44	88		75-125	2	20
Magnesium, Total	23000	883	25000	**226**	Q	30000	**817**	Q	75-125	18	20
Manganese, Total	310	44.2	350	90		370	**140**	Q	75-125	6	20
Nickel, Total	8.0	44.2	44	82		43	82		75-125	2	20
Potassium, Total	1100	883	2200	124		2200	**128**	Q	75-125	0	20
Selenium, Total	ND	10.6	10	94		11	107		75-125	10	20
Silver, Total	ND	26.5	24	90		25	97		75-125	4	20
Sodium, Total	220	883	1100	100		1000	91		75-125	10	20
Thallium, Total	ND	10.6	7.3	**69**	Q	7.4	**72**	Q	75-125	1	20
Vanadium, Total	15.	44.2	57	95		56	96		75-125	2	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1501593
Report Date: 01/30/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG759204-4 WG759204-5 QC Sample: L1501593-04 Client ID: SB-04 (8-10)									
Zinc, Total	63.	44.2	100	84	100	86	75-125	0	20

INORGANICS
&
MISCELLANEOUS

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1501593
Report Date: 01/30/15

SAMPLE RESULTS

Lab ID: L1501593-01
Client ID: SB-01 (7-9)
Sample Location: BUFFALO, NY
Matrix: Soil

Date Collected: 01/22/15 12:48
Date Received: 01/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.7		%	0.100	NA	1	-	01/24/15 01:50	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.25	1	01/24/15 12:00	01/26/15 12:24	1,9010C/9012B	JO

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1501593
Report Date: 01/30/15

SAMPLE RESULTS

Lab ID: L1501593-02
Client ID: SB-02 (6-8)
Sample Location: BUFFALO, NY
Matrix: Soil

Date Collected: 01/22/15 16:10
Date Received: 01/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.3		%	0.100	NA	1	-	01/24/15 01:50	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.0	0.24	1	01/24/15 12:00	01/26/15 12:37	1,9010C/9012B	JO

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1501593
Report Date: 01/30/15

SAMPLE RESULTS

Lab ID: L1501593-03
Client ID: SB-03 (6-8)
Sample Location: BUFFALO, NY
Matrix: Soil

Date Collected: 01/22/15 11:36
Date Received: 01/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.7		%	0.100	NA	1	-	01/24/15 01:50	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.25	1	01/24/15 12:00	01/26/15 12:38	1,9010C/9012B	JO

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1501593
Report Date: 01/30/15

SAMPLE RESULTS

Lab ID: L1501593-04
Client ID: SB-04 (8-10)
Sample Location: BUFFALO, NY
Matrix: Soil

Date Collected: 01/22/15 11:00
Date Received: 01/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.3		%	0.100	NA	1	-	01/24/15 01:50	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.25	1	01/24/15 12:00	01/26/15 12:39	1,9010C/9012B	JO

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1501593
Report Date: 01/30/15

SAMPLE RESULTS

Lab ID: L1501593-05
Client ID: SB-05 (5-7)
Sample Location: BUFFALO, NY
Matrix: Soil

Date Collected: 01/22/15 13:56
Date Received: 01/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.0		%	0.100	NA	1	-	01/24/15 01:50	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	01/24/15 12:00	01/26/15 12:41	1,9010C/9012B	JO

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1501593
Report Date: 01/30/15

SAMPLE RESULTS

Lab ID: L1501593-06
Client ID: SB-06 (4.5-6.5)
Sample Location: BUFFALO, NY
Matrix: Soil

Date Collected: 01/22/15 10:41
Date Received: 01/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.0		%	0.100	NA	1	-	01/24/15 01:50	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	01/24/15 12:00	01/26/15 12:42	1,9010C/9012B	JO

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1501593
Report Date: 01/30/15

SAMPLE RESULTS

Lab ID: L1501593-07
Client ID: SB-07 (6-8)
Sample Location: BUFFALO, NY
Matrix: Soil

Date Collected: 01/22/15 09:31
Date Received: 01/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.7		%	0.100	NA	1	-	01/24/15 01:50	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.25	1	01/24/15 12:00	01/26/15 13:04	1,9010C/9012B	JO

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1501593
Report Date: 01/30/15

SAMPLE RESULTS

Lab ID: L1501593-08
Client ID: SB-08 (5-7)
Sample Location: BUFFALO, NY
Matrix: Soil

Date Collected: 01/22/15 14:54
Date Received: 01/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.6		%	0.100	NA	1	-	01/24/15 01:50	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.0	0.24	1	01/24/15 12:00	01/26/15 13:05	1,9010C/9012B	JO

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1501593
Report Date: 01/30/15

SAMPLE RESULTS

Lab ID: L1501593-09
Client ID: SB-09 (4.5-6.5)
Sample Location: BUFFALO, NY
Matrix: Soil

Date Collected: 01/22/15 15:17
Date Received: 01/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.6		%	0.100	NA	1	-	01/24/15 01:50	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	01/24/15 12:00	01/26/15 13:06	1,9010C/9012B	JO

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1501593
Report Date: 01/30/15

SAMPLE RESULTS

Lab ID: L1501593-10
Client ID: BLIND DUP #1
Sample Location: BUFFALO, NY
Matrix: Soil

Date Collected: 01/22/15 00:00
Date Received: 01/23/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.1		%	0.100	NA	1	-	01/24/15 01:50	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.27	1	01/24/15 12:00	01/26/15 13:06	1,9010C/9012B	JO

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1501593
Report Date: 01/30/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-10 Batch: WG758334-1										
Cyanide, Total	ND		mg/kg	0.94	0.22	1	01/24/15 12:00	01/26/15 12:08	1,9010C/9012B	JO

Lab Control Sample Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1501593
Report Date: 01/30/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-10 Batch: WG758334-2 WG758334-3								
Cyanide, Total	119		82		80-120	33		35

Matrix Spike Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1501593
Report Date: 01/30/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG758334-4 WG758334-5 QC Sample: L1501593-04 Client ID: SB-04 (8-10)												
Cyanide, Total	ND	11	7.1	66		11	100		65-135	**49**	Q	35

Lab Duplicate Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1501593
Report Date: 01/30/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG758256-1 QC Sample: L1501593-01 Client ID: SB-01 (7-9)						
Solids, Total	87.7	87.1	%	1		20

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1501593
Report Date: 01/30/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 01/24/2015 00:19

Cooler Information	Custody Seal
Cooler	
B	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1501593-01A	Glass 500ml/16oz unpreserved	C	N/A	2.8	Y	Absent	BE-TI(180),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1501593-02A	5 gram Encore Sampler	C	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1501593-02B	5 gram Encore Sampler	C	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1501593-02C	5 gram Encore Sampler	C	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1501593-02D	Glass 60mL/2oz unpreserved	C	N/A	2.8	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1501593
Report Date: 01/30/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1501593-02E	Glass 250ml/8oz unpreserved	C	N/A	2.8	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1501593-02F	Glass 250ml/8oz unpreserved	C	N/A	2.8	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1501593-02X	Vial MeOH preserved split	C	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1501593-02Y	Vial Water preserved split	C	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1501593-02Z	Vial Water preserved split	C	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1501593-03A	Glass 250ml/8oz unpreserved	C	N/A	2.8	Y	Absent	BE-TI(180),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1501593-04A	5 gram Encore Sampler	C	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1501593-04A1	5 gram Encore Sampler	C	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1501593-04A2	5 gram Encore Sampler	C	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1501593-04A3	5 gram Encore Sampler	C	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1501593-04B	5 gram Encore Sampler	C	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)

*Values in parentheses indicate holding time in days

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1501593
Report Date: 01/30/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1501593-04B1	5 gram Encore Sampler	C	N/A	2.8	Y	Absent	BE-TI(180),NYTCL-8260HLW(2),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1501593-04B2	5 gram Encore Sampler	C	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1501593-04C	5 gram Encore Sampler	C	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1501593-04C1	5 gram Encore Sampler	C	N/A	2.8	Y	Absent	BE-TI(180),NYTCL-8260HLW(2),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1501593-04C2	5 gram Encore Sampler	C	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1501593-04D	Glass 60mL/2oz unpreserved	C	N/A	2.8	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),MS/MSD(),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1501593
Report Date: 01/30/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1501593-04D1	Glass 60mL/2oz unpreserved	C	N/A	2.8	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),MS/MSD(),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1501593-04D2	Glass 60mL/2oz unpreserved	C	N/A	2.8	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),MS/MSD(),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1501593-04E	Glass 500ml/16oz unpreserved	C	N/A	2.8	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),MS/MSD(),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1501593-04E1	Glass 500ml/16oz unpreserved	C	N/A	2.8	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),MS/MSD(),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

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Report Date: 01/30/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1501593-04E2	Glass 500ml/16oz unpreserved	C	N/A	2.8	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),MS/MSD(),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1501593-04X	Vial MeOH preserved split	C	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1501593-04Y	Vial Water preserved split	C	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1501593-04Z	Vial water preserved	C	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1501593-04Z1	Vial Water preserved split	C	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1501593-05A	5 gram Encore Sampler	B	N/A	3.7	Y	Absent	NYTCL-8260HLW(2)
L1501593-05B	5 gram Encore Sampler	B	N/A	3.7	Y	Absent	NYTCL-8260HLW(2)
L1501593-05C	5 gram Encore Sampler	B	N/A	3.7	Y	Absent	NYTCL-8260HLW(2)
L1501593-05D	Glass 60mL/2oz unpreserved	B	N/A	3.7	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1501593-05E	Glass 500ml/16oz unpreserved	B	N/A	3.7	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1501593-05X	Vial MeOH preserved split	B	N/A	3.7	Y	Absent	NYTCL-8260HLW(14)
L1501593-05Y	Vial Water preserved split	B	N/A	3.7	Y	Absent	NYTCL-8260HLW(14)
L1501593-05Z	Vial Water preserved split	B	N/A	3.7	Y	Absent	NYTCL-8260HLW(14)
L1501593-06A	5 gram Encore Sampler	B	N/A	3.7	Y	Absent	NYTCL-8260HLW(2)
L1501593-06B	5 gram Encore Sampler	B	N/A	3.7	Y	Absent	NYTCL-8260HLW(2)

*Values in parentheses indicate holding time in days

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Project Number: 0136-014-002

Lab Number: L1501593
Report Date: 01/30/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1501593-06C	5 gram Encore Sampler	B	N/A	3.7	Y	Absent	NYTCL-8260HLW(2)
L1501593-06D	Glass 60mL/2oz unpreserved	B	N/A	3.7	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1501593-06E	Glass 500ml/16oz unpreserved	B	N/A	3.7	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1501593-06X	Vial MeOH preserved split	B	N/A	3.7	Y	Absent	NYTCL-8260HLW(14)
L1501593-06Y	Vial Water preserved split	B	N/A	3.7	Y	Absent	NYTCL-8260HLW(14)
L1501593-06Z	Vial Water preserved split	B	N/A	3.7	Y	Absent	NYTCL-8260HLW(14)
L1501593-07A	5 gram Encore Sampler	B	N/A	3.7	Y	Absent	NYTCL-8260HLW(2)
L1501593-07B	5 gram Encore Sampler	B	N/A	3.7	Y	Absent	NYTCL-8260HLW(2)
L1501593-07C	5 gram Encore Sampler	B	N/A	3.7	Y	Absent	NYTCL-8260HLW(2)
L1501593-07D	Glass 60mL/2oz unpreserved	B	N/A	3.7	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1501593
Report Date: 01/30/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1501593-07E	Glass 500ml/16oz unpreserved	B	N/A	3.7	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1501593-07X	Vial MeOH preserved split	B	N/A	3.7	Y	Absent	NYTCL-8260HLW(14)
L1501593-07Y	Vial Water preserved split	B	N/A	3.7	Y	Absent	NYTCL-8260HLW(14)
L1501593-07Z	Vial Water preserved split	B	N/A	3.7	Y	Absent	NYTCL-8260HLW(14)
L1501593-08A	5 gram Encore Sampler	B	N/A	3.7	Y	Absent	NYTCL-8260HLW(2)
L1501593-08B	5 gram Encore Sampler	B	N/A	3.7	Y	Absent	NYTCL-8260HLW(2)
L1501593-08C	5 gram Encore Sampler	B	N/A	3.7	Y	Absent	NYTCL-8260HLW(2)
L1501593-08D	Glass 60mL/2oz unpreserved	B	N/A	3.7	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1501593-08E	Glass 500ml/16oz unpreserved	B	N/A	3.7	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1501593-08X	Vial MeOH preserved split	B	N/A	3.7	Y	Absent	NYTCL-8260HLW(14)
L1501593-08Y	Vial Water preserved split	B	N/A	3.7	Y	Absent	NYTCL-8260HLW(14)
L1501593-08Z	Vial Water preserved split	B	N/A	3.7	Y	Absent	NYTCL-8260HLW(14)
L1501593-09A	5 gram Encore Sampler	C	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1501593-09B	5 gram Encore Sampler	C	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)

*Values in parentheses indicate holding time in days

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

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Report Date: 01/30/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1501593-09C	5 gram Encore Sampler	C	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1501593-09D	Glass 60mL/2oz unpreserved	C	N/A	2.8	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1501593-09E	Glass 120ml/4oz unpreserved	C	N/A	2.8	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1501593-09F	Glass 250ml/8oz unpreserved	C	N/A	2.8	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1501593-09X	Vial MeOH preserved split	C	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1501593-09Y	Vial Water preserved split	C	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1501593-09Z	Vial Water preserved split	C	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1501593-10A	5 gram Encore Sampler	C	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1501593-10B	5 gram Encore Sampler	C	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1501593-10C	5 gram Encore Sampler	C	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)

*Values in parentheses indicate holding time in days

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Report Date: 01/30/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1501593-10D	Glass 60mL/2oz unpreserved	C	N/A	2.8	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1501593-10E	Glass 500ml/16oz unpreserved	C	N/A	2.8	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1501593-10X	Vial MeOH preserved split	C	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1501593-10Y	Vial Water preserved split	C	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1501593-10Z	Vial Water preserved split	C	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name:	905 ELMWOOD AVE.	**Lab Number:**	L1501593
Project Number:	0136-014-002	**Report Date:**	01/30/15

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).
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.
NI	- Not Ignitable.
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.

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

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.

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.

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.

Report Format: DU Report with 'J' Qualifiers

Project Name:	905 ELMWOOD AVE.	**Lab Number:**	L1501593
Project Number:	0136-014-002	**Report Date:**	01/30/15

Data Qualifiers

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: 905 ELMWOOD AVE. **Lab Number:** L1501593
Project Number: 0136-014-002 **Report Date:** 01/30/15

REFERENCES

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

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

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

Last revised December 16, 2014

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

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: 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.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F,**
EPA 353.2: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: 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: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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

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

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

Page 1 of 1

Date Rec'd in Lab: 1/23/15

ALPHA Job #: L1501593

Client Information
Client: Turnkey Environmental
Address: 2558 Hamburg Turnpike, Lackawanna NY 14218
Phone: (716) 856-0635
Fax: (716) 856-0583
Email: tBerendt@TurnkeyllC.com

Project Information
Project Name: 905 Elmwood Ave
Project Location: Buffalo NY
Project # 0136-014-002
(Use Project name as Project #) ☐
Project Manager: Nate Murphy
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date: 1/30/15
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:

CAT B

Please specify Metals or TAL. TAL METALS + T.CN

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

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Total Solids	8260 TCL+CP-51 VOC	TCL SVOC's	TAL METALS+T.CN	PCBs	PEST/Herb			Sample Specific Comments	Total Bottle
01593-01	SB-01 (7-9)		1248	Soil	TAB				X	X	X				1
02	SB-02 (6-8)		1610			X	X	X	X	X	X				6
03	SB-03 (6-8)		1136						X						1
04	SB-04 (8-10) MS/MSD		1100			X	X	X	X	X	X				12
05	SB-05 (5-7)		1356			X	X	X	X						5
06	SB-06 (4.5-6.5)		1041			X	X	X	X	X					5
07	SB-07 (6-8)		931			X	X	X	X	X	X				5
08	SB-08 (5-7)		1454			X	X	X	X	X	X				5
09	SB-09 (4.5-6.5)		1517			X	X	X	X	X					6
10	Blind Dup #1					X	X	X	X	X	X				5
					Container Type	A	E	A	A	A	A				
					Preservative	A	E	A	A	A	A				

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

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	1/23/15 1107	[illegible]	1.23.15 1107
[illegible] AAL	1.23.15 1540	[illegible]	1/23/15 1540
[illegible]	1/23/15 1742	[illegible]	1/23/15 1742
[illegible]	1/23/15 2019	[illegible]	1/23/15 2019
[illegible]	1/23/15 2305	[illegible]	1/23/15 2305

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)

ANALYTICAL REPORT

Lab Number:	L1502543
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Nate Munley
Phone:	(716) 225-3314
Project Name:	905 ELMWOOD AVE.
Project Number:	0136-014-002
Report Date:	02/17/15

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), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

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

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1502543-01	TMW-1	WATER	BUFFALO, NY	02/09/15 14:23	02/10/15
L1502543-02	TMW-2	WATER	BUFFALO, NY	02/09/15 12:48	02/10/15
L1502543-03	TMW-3	WATER	BUFFALO, NY	02/09/15 14:00	02/10/15
L1502543-04	BLIND DUP	WATER	BUFFALO, NY	02/09/15 12:00	02/10/15
L1502543-05	TMW-4	WATER	BUFFALO, NY	02/09/15 15:13	02/10/15
L1502543-06	TRIP BLANK	WATER	BUFFALO, NY	02/09/15 00:00	02/10/15

Project Name: 905 ELMWOOD AVE. **Lab Number:** L1502543
Project Number: 0136-014-002 **Report Date:** 02/17/15

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 all of the requirements of NELAC, for all NELAC accredited parameters. 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. 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:	905 ELMWOOD AVE.	**Lab Number:**	L1502543
Project Number:	0136-014-002	**Report Date:**	02/17/15

Case Narrative (continued)

Report Submission

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

Sample Receipt

The analysis of Herbicides could not be performed on sample "TMW-4" due to insufficient sample volume received.

Volatile Organics

The WG762370-4/-5 MS/MSD recoveries, performed on L1502543-02, are outside the acceptance criteria for acetone (181%/152%); however, the associated LCS/LCSD recoveries are within overall method allowances. No further action was required.

Semivolatile Organics

L1502543-03, -04, and -05 have elevated detection limits due to limited sample volume available for analysis.
The WG762285-4/-5 MS/MSD recoveries, performed on L1502543-02, are outside the acceptance criteria for 3,3'-dichlorobenzidine (5%/21%), 2,4-dinitrotoluene (MS 110%), hexachlorocyclopentadiene (MSD 24%), and p-chloro-m-cresol (MS 100%).
The WG762285-4/-5 MS/MSD RPDs are above the acceptance criteria for 3,3'-dichlorobenzidine (122%), hexachlorocyclopentadiene (108%), 3-nitroaniline (40%), 2,4-dimethylphenol (86%), 2,4-dinitrophenol (100%), and 4,6-dinitro-o-cresol (119%).

Semivolatile Organics by SIM

L1502543-03, -04, and -05 have elevated detection limits due to limited sample volume available for analysis.

PCBs

L1502543-01, -03, and -05 have elevated detection limits due to limited sample volume available for analysis.

Project Name: 905 ELMWOOD AVE. **Lab Number:** L1502543
Project Number: 0136-014-002 **Report Date:** 02/17/15

Case Narrative (continued)

Pesticides

L1502543-03, -04, and -05 have elevated detection limits due to limited sample volume available for analysis.

Metals

The WG762221-1 Method Blank, associated with L1502543-01 through -05, has a concentration above the reporting limit for sodium. Since the associated sample concentrations are greater than 10x the blank concentration for this analyte, no qualification of the results was performed.

The WG762228-2 LCS recovery, associated with L1502543-01 through -05, is above the acceptance criteria for mercury (126%); however, the associated samples are non-detect for this target compound. The results of the original analysis are reported.

The WG762221-3/-4 MS/MSD recoveries for calcium (28%/53%) and iron (MSD 24%), performed on L1502543-02, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG762221-3/-4 MS/MSD recoveries, performed on L1502543-02, are outside the acceptance criteria for potassium (58%/46%) and sodium (0%/0%). A post digestion spike was performed and was within acceptance criteria.

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: Kelly Stenstrom

Title: Technical Director/Representative Date: 02/17/15

ORGANICS

VOLATILES

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1502543
Report Date: 02/17/15

SAMPLE RESULTS

Lab ID: L1502543-01 D
Client ID: TMW-1
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 02/12/15 13:44
Analyst: PD

Date Collected: 02/09/15 14:23
Date Received: 02/10/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	ND		ug/l	5.0	1.4	2
Chloroform	ND		ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	ND		ug/l	3.0	1.0	2
Tetrachloroethene	ND		ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	ND		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	ND		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.29	2
Benzene	7.9		ug/l	1.0	0.32	2
Toluene	ND		ug/l	5.0	1.4	2
Ethylbenzene	ND		ug/l	5.0	1.4	2
Chloromethane	ND		ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	ND		ug/l	2.0	0.66	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	ND		ug/l	1.0	0.28	2
trans-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2
Trichloroethene	ND		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,3-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2

Project Name: 905 ELMWOOD AVE. **Lab Number:** L1502543

Project Number: 0136-014-002 **Report Date:** 02/17/15

SAMPLE RESULTS

Lab ID: L1502543-01 D Date Collected: 02/09/15 14:23
Client ID: TMW-1 Date Received: 02/10/15
Sample Location: BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	260		ug/l	5.0	1.4	2
p/m-Xylene	3.4	J	ug/l	5.0	1.4	2
o-Xylene	ND		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2
Styrene	ND		ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	ND		ug/l	10	2.9	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	ND		ug/l	10	3.9	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
n-Butylbenzene	ND		ug/l	5.0	1.4	2
sec-Butylbenzene	ND		ug/l	5.0	1.4	2
tert-Butylbenzene	ND		ug/l	5.0	1.4	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Isopropylbenzene	ND		ug/l	5.0	1.4	2
p-Isopropyltoluene	ND		ug/l	5.0	1.4	2
n-Propylbenzene	ND		ug/l	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,3,5-Trimethylbenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trimethylbenzene	ND		ug/l	5.0	1.4	2
Methyl Acetate	ND		ug/l	4.0	0.47	2
Cyclohexane	16	J	ug/l	20	0.54	2
1,4-Dioxane	ND		ug/l	500	82.	2
Freon-113	ND		ug/l	5.0	1.4	2
Methyl cyclohexane	6.2	J	ug/l	20	0.79	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	101		70-130

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1502543
Report Date: 02/17/15

SAMPLE RESULTS

Lab ID: L1502543-02
Client ID: TMW-2
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 02/12/15 14:12
Analyst: PD

Date Collected: 02/09/15 12:48
Date Received: 02/10/15
Field Prep: Not Specified

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	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	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	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 905 ELMWOOD AVE. **Lab Number:** L1502543

Project Number: 0136-014-002 **Report Date:** 02/17/15

SAMPLE RESULTS

Lab ID: L1502543-02 Date Collected: 02/09/15 12:48

Client ID: TMW-2 Date Received: 02/10/15

Sample Location: BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	5.1		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	4.0	J	ug/l	5.0	1.5	1
Carbon disulfide	2.4	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
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	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	104		70-130

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1502543
Report Date: 02/17/15

SAMPLE RESULTS

Lab ID: L1502543-03
Client ID: TMW-3
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 02/12/15 14:40
Analyst: PD

Date Collected: 02/09/15 14:00
Date Received: 02/10/15
Field Prep: Not Specified

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	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.22	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
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	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	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1502543
Report Date: 02/17/15

SAMPLE RESULTS

Lab ID: L1502543-03
Client ID: TMW-3
Sample Location: BUFFALO, NY
Date Collected: 02/09/15 14:00
Date Received: 02/10/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	4.8	J	ug/l	5.0	1.5	1
Carbon disulfide	6.2		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
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	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	104		70-130

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1502543
Report Date: 02/17/15

SAMPLE RESULTS

Lab ID: L1502543-04
Client ID: BLIND DUP
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 02/12/15 15:08
Analyst: PD

Date Collected: 02/09/15 12:00
Date Received: 02/10/15
Field Prep: Not Specified

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	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.24	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
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	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	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1502543
Report Date: 02/17/15

SAMPLE RESULTS

Lab ID: L1502543-04
Client ID: BLIND DUP
Sample Location: BUFFALO, NY
Date Collected: 02/09/15 12:00
Date Received: 02/10/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	5.0		ug/l	5.0	1.5	1
Carbon disulfide	6.7		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
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	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	103		70-130

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1502543
Report Date: 02/17/15

SAMPLE RESULTS

Lab ID: L1502543-05
Client ID: TMW-4
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 02/12/15 15:35
Analyst: PD

Date Collected: 02/09/15 15:13
Date Received: 02/10/15
Field Prep: Not Specified

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	0.13	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
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	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	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 905 ELMWOOD AVE. **Lab Number:** L1502543

Project Number: 0136-014-002 **Report Date:** 02/17/15

SAMPLE RESULTS

Lab ID: L1502543-05 Date Collected: 02/09/15 15:13

Client ID: TMW-4 Date Received: 02/10/15

Sample Location: BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	0.70	J	ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	84		ug/l	5.0	1.5	1
Carbon disulfide	11		ug/l	5.0	1.0	1
2-Butanone	21		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	3.3	J	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	1.1	J	ug/l	2.5	0.70	1
sec-Butylbenzene	9.5		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	5.6		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	8.1		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	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	102		70-130

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1502543
Report Date: 02/17/15

SAMPLE RESULTS

Lab ID: L1502543-06
Client ID: TRIP BLANK
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 02/11/15 13:15
Analyst: PD

Date Collected: 02/09/15 00:00
Date Received: 02/10/15
Field Prep: Not Specified

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	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	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	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1502543
Report Date: 02/17/15

SAMPLE RESULTS

Lab ID: L1502543-06
Client ID: TRIP BLANK
Sample Location: BUFFALO, NY
Date Collected: 02/09/15 00:00
Date Received: 02/10/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
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
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	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	104		70-130

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1502543
Report Date: 02/17/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/11/15 10:01
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG761992-3					
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	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
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	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/11/15 10:01
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG761992-3					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
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
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	41.

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/11/15 10:01
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG761992-3					
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND		ug/l

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	104		70-130

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/12/15 10:31
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG762370-3					
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	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
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	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/12/15 10:31
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG762370-3					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
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
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
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/12/15 10:31
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG762370-3					
Methyl cyclohexane	ND		ug/l	10	0.40

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	105		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG761992-1 WG761992-2								
Methylene chloride	92		91		70-130	1		20
1,1-Dichloroethane	90		90		70-130	0		20
Chloroform	91		91		70-130	0		20
2-Chloroethylvinyl ether	90		81		70-130	11		20
Carbon tetrachloride	86		86		63-132	0		20
1,2-Dichloropropane	90		88		70-130	2		20
Dibromochloromethane	102		97		63-130	5		20
1,1,2-Trichloroethane	113		106		70-130	6		20
Tetrachloroethene	89		88		70-130	1		20
Chlorobenzene	94		93		75-130	1		20
Trichlorofluoromethane	93		94		62-150	1		20
1,2-Dichloroethane	104		99		70-130	5		20
1,1,1-Trichloroethane	90		90		67-130	0		20
Bromodichloromethane	89		88		67-130	1		20
trans-1,3-Dichloropropene	111		106		70-130	5		20
cis-1,3-Dichloropropene	87		85		70-130	2		20
1,1-Dichloropropene	91		90		70-130	1		20
Bromoform	107		100		54-136	7		20
1,1,2,2-Tetrachloroethane	108		99		67-130	9		20
Benzene	87		87		70-130	0		20
Toluene	91		90		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1502543
Report Date: 02/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG761992-1 WG761992-2								
Ethylbenzene	96		95		70-130	1		20
Chloromethane	90		105		64-130	15		20
Bromomethane	122		117		39-139	4		20
Vinyl chloride	100		99		55-140	1		20
Chloroethane	104		108		55-138	4		20
1,1-Dichloroethene	93		93		61-145	0		20
trans-1,2-Dichloroethene	92		90		70-130	2		20
Trichloroethene	88		87		70-130	1		20
1,2-Dichlorobenzene	94		92		70-130	2		20
1,3-Dichlorobenzene	96		94		70-130	2		20
1,4-Dichlorobenzene	98		97		70-130	1		20
Methyl tert butyl ether	106		98		63-130	8		20
p/m-Xylene	103		103		70-130	0		20
o-Xylene	104		103		70-130	1		20
cis-1,2-Dichloroethene	88		86		70-130	2		20
Dibromomethane	99		94		70-130	5		20
1,2,3-Trichloropropane	**139**	Q	125		64-130	11		20
Acrylonitrile	**132**	Q	118		70-130	11		20
Isopropyl Ether	99		97		70-130	2		20
tert-Butyl Alcohol	**133**	Q	110		70-130	19		20
Styrene	103		102		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG761992-1 WG761992-2								
Dichlorodifluoromethane	84		84		36-147	0		20
Acetone	113		79		58-148	**35**	Q	20
Carbon disulfide	88		88		51-130	0		20
2-Butanone	**146**	Q	123		63-138	17		20
Vinyl acetate	118		107		70-130	10		20
4-Methyl-2-pentanone	122		106		59-130	14		20
2-Hexanone	**131**	Q	113		57-130	15		20
Bromochloromethane	97		95		70-130	2		20
2,2-Dichloropropane	90		90		63-133	0		20
1,2-Dibromoethane	108		102		70-130	6		20
1,3-Dichloropropane	110		104		70-130	6		20
1,1,1,2-Tetrachloroethane	102		99		64-130	3		20
Bromobenzene	76		76		70-130	0		20
n-Butylbenzene	94		95		53-136	1		20
sec-Butylbenzene	87		89		70-130	2		20
tert-Butylbenzene	81		83		70-130	2		20
o-Chlorotoluene	91		92		70-130	1		20
p-Chlorotoluene	91		92		70-130	1		20
1,2-Dibromo-3-chloropropane	96		91		41-144	5		20
Hexachlorobutadiene	77		78		63-130	1		20
Isopropylbenzene	74		75		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG761992-1 WG761992-2								
p-Isopropyltoluene	89		89		70-130	0		20
Naphthalene	97		90		70-130	7		20
n-Propylbenzene	81		82		69-130	1		20
1,2,3-Trichlorobenzene	89		86		70-130	3		20
1,2,4-Trichlorobenzene	85		82		70-130	4		20
1,3,5-Trimethylbenzene	95		96		64-130	1		20
1,2,4-Trimethylbenzene	91		91		70-130	0		20
Methyl Acetate	**135**	Q	121		70-130	11		20
Ethyl Acetate	**137**	Q	119		70-130	14		20
Cyclohexane	92		92		70-130	0		20
Ethyl-Tert-Butyl-Ether	101		96		70-130	5		20
Tertiary-Amyl Methyl Ether	100		95		66-130	5		20
1,4-Dioxane	129		121		56-162	6		20
Freon-113	92		93		70-130	1		20
1,4-Diethylbenzene	88		90		70-130	2		20
4-Ethyltoluene	86		87		70-130	1		20
1,2,4,5-Tetramethylbenzene	81		81		70-130	0		20
Ethyl ether	109		102		59-134	7		20
trans-1,4-Dichloro-2-butene	**144**	Q	129		70-130	11		20
Methyl cyclohexane	80		82		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG761992-1 WG761992-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	124		121		70-130
Toluene-d8	101		100		70-130
4-Bromofluorobenzene	88		89		70-130
Dibromofluoromethane	109		108		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG762370-1 WG762370-2								
Methylene chloride	93		84		70-130	10		20
1,1-Dichloroethane	90		83		70-130	8		20
Chloroform	90		84		70-130	7		20
Carbon tetrachloride	81		75		63-132	8		20
1,2-Dichloropropane	88		81		70-130	8		20
Dibromochloromethane	97		89		63-130	9		20
1,1,2-Trichloroethane	110		99		70-130	11		20
Tetrachloroethene	83		77		70-130	8		20
Chlorobenzene	91		84		75-130	8		20
Trichlorofluoromethane	89		80		62-150	11		20
1,2-Dichloroethane	103		93		70-130	10		20
1,1,1-Trichloroethane	87		80		67-130	8		20
Bromodichloromethane	88		81		67-130	8		20
trans-1,3-Dichloropropene	107		97		70-130	10		20
cis-1,3-Dichloropropene	84		78		70-130	7		20
1,1-Dichloropropene	86		79		70-130	8		20
Bromoform	104		89		54-136	16		20
1,1,2,2-Tetrachloroethane	106		91		67-130	15		20
Benzene	85		79		70-130	7		20
Toluene	87		82		70-130	6		20
Ethylbenzene	93		86		70-130	8		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG762370-1 WG762370-2								
Chloromethane	108		75		64-130	**36**	Q	20
Bromomethane	113		94		39-139	18		20
Vinyl chloride	95		80		55-140	17		20
Chloroethane	103		87		55-138	17		20
1,1-Dichloroethene	89		82		61-145	8		20
trans-1,2-Dichloroethene	88		80		70-130	10		20
Trichloroethene	85		78		70-130	9		20
1,2-Dichlorobenzene	92		86		70-130	7		20
1,3-Dichlorobenzene	94		86		70-130	9		20
1,4-Dichlorobenzene	98		89		70-130	10		20
Methyl tert butyl ether	103		91		63-130	12		20
p/m-Xylene	101		93		70-130	8		20
o-Xylene	101		93		70-130	8		20
cis-1,2-Dichloroethene	86		79		70-130	8		20
Dibromomethane	97		86		70-130	12		20
1,2,3-Trichloropropane	**135**	Q	114		64-130	17		20
Acrylonitrile	126		109		70-130	14		20
Isopropyl Ether	99		90		70-130	10		20
tert-Butyl Alcohol	120		105		70-130	13		20
Styrene	101		93		70-130	8		20
Dichlorodifluoromethane	77		71		36-147	8		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG762370-1 WG762370-2								
Acetone	93		72		58-148	**25**	Q	20
Carbon disulfide	86		79		51-130	8		20
2-Butanone	131		117		63-138	11		20
Vinyl acetate	115		101		70-130	13		20
4-Methyl-2-pentanone	114		98		59-130	15		20
2-Hexanone	119		104		57-130	13		20
Bromochloromethane	95		88		70-130	8		20
2,2-Dichloropropane	88		79		63-133	11		20
1,2-Dibromoethane	105		92		70-130	13		20
1,3-Dichloropropane	107		96		70-130	11		20
1,1,1,2-Tetrachloroethane	98		91		64-130	7		20
Bromobenzene	77		**69**	Q	70-130	11		20
n-Butylbenzene	89		82		53-136	8		20
sec-Butylbenzene	84		77		70-130	9		20
tert-Butylbenzene	79		72		70-130	9		20
o-Chlorotoluene	90		82		70-130	9		20
p-Chlorotoluene	90		83		70-130	8		20
1,2-Dibromo-3-chloropropane	93		82		41-144	13		20
Hexachlorobutadiene	73		67		63-130	9		20
Isopropylbenzene	73		**66**	Q	70-130	10		20
p-Isopropyltoluene	85		78		70-130	9		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG762370-1 WG762370-2								
n-Propylbenzene	80		72		69-130	11		20
1,2,3-Trichlorobenzene	85		77		70-130	10		20
1,2,4-Trichlorobenzene	81		74		70-130	9		20
1,3,5-Trimethylbenzene	94		85		64-130	10		20
1,2,4-Trimethylbenzene	90		82		70-130	9		20
Methyl Acetate	126		112		70-130	12		20
Ethyl Acetate	**131**	Q	111		70-130	17		20
Cyclohexane	86		78		70-130	10		20
Ethyl-Tert-Butyl-Ether	99		89		70-130	11		20
Tertiary-Amyl Methyl Ether	97		87		66-130	11		20
1,4-Dioxane	136		107		56-162	**24**	Q	20
Freon-113	87		79		70-130	10		20
1,4-Diethylbenzene	85		79		70-130	7		20
4-Ethyltoluene	85		77		70-130	10		20
1,2,4,5-Tetramethylbenzene	78		73		70-130	7		20
Ethyl ether	107		95		59-134	12		20
trans-1,4-Dichloro-2-butene	**134**	Q	114		70-130	16		20
Methyl cyclohexane	74		**68**	Q	70-130	8		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG762370-1 WG762370-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	126		121		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	90		88		70-130
Dibromofluoromethane	109		109		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1502543
Report Date: 02/17/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG762370-4 WG762370-5 QC Sample: L1502543-02 Client ID: TMW-2												
Methylene chloride	ND	10	9.4	94		9.9	99		70-130	5		20
1,1-Dichloroethane	ND	10	9.4	94		9.9	99		70-130	5		20
Chloroform	ND	10	9.5	95		9.9	99		70-130	4		20
Carbon tetrachloride	ND	10	8.9	89		9.3	93		63-132	4		20
1,2-Dichloropropane	ND	10	9.1	91		9.6	96		70-130	5		20
Dibromochloromethane	ND	10	9.6	96		10	100		63-130	4		20
1,1,2-Trichloroethane	ND	10	11	109		11	111		70-130	0		20
Tetrachloroethene	ND	10	9.2	93		9.5	95		70-130	3		20
Chlorobenzene	ND	10	9.5	95		9.8	98		75-130	3		20
Trichlorofluoromethane	ND	10	9.9	99		10	103		62-150	1		20
1,2-Dichloroethane	ND	10	10	101		10	105		70-130	0		20
1,1,1-Trichloroethane	ND	10	9.5	95		9.9	99		67-130	4		20
Bromodichloromethane	ND	10	8.9	89		9.3	93		67-130	4		20
trans-1,3-Dichloropropene	ND	10	10	103		11	107		70-130	10		20
cis-1,3-Dichloropropene	ND	10	8.4	84		8.8	88		70-130	5		20
1,1-Dichloropropene	ND	10	9.4	95		9.7	97		70-130	3		20
Bromoform	ND	10	9.7	97		9.8	98		54-136	1		20
1,1,2,2-Tetrachloroethane	ND	10	10	101		10	100		67-130	0		20
Benzene	ND	10	9.2	92		9.6	96		70-130	4		20
Toluene	ND	10	9.5	96		9.8	98		70-130	3		20
Ethylbenzene	ND	10	10	100		10	102		70-130	0		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1502543
Report Date: 02/17/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG762370-4 WG762370-5 QC Sample: L1502543-02 Client ID: TMW-2												
Chloromethane	ND	10	10	100		11	113		64-130	10		20
Bromomethane	ND	10	12	117		13	129		39-139	8		20
Vinyl chloride	ND	10	9.9	99		10	104		55-140	1		20
Chloroethane	ND	10	11	110		12	117		55-138	9		20
1,1-Dichloroethene	ND	10	9.7	97		10	100		61-145	3		20
trans-1,2-Dichloroethene	ND	10	9.2	92		9.6	96		70-130	4		20
Trichloroethene	ND	10	9.1	91		9.4	94		70-130	3		20
1,2-Dichlorobenzene	ND	10	9.4	95		9.5	95		70-130	1		20
1,3-Dichlorobenzene	ND	10	9.7	97		9.7	98		70-130	0		20
1,4-Dichlorobenzene	ND	10	9.8	98		9.9	99		70-130	1		20
Methyl tert butyl ether	5.1	10	15	99		15	100		63-130	0		20
p/m-Xylene	ND	20	22	108		22	111		70-130	0		20
o-Xylene	ND	20	21	106		22	110		70-130	5		20
cis-1,2-Dichloroethene	ND	10	9.0	90		9.3	93		70-130	3		20
Dibromomethane	ND	10	9.4	94		9.7	97		70-130	3		20
1,2,3-Trichloropropane	ND	10	13	128		12	122		64-130	8		20
Acrylonitrile	ND	10	12	116		12	117		70-130	0		20
Isopropyl Ether	ND	10	10	100		10	104		70-130	0		20
tert-Butyl Alcohol	ND	50	56	112		55	110		70-130	2		20
Styrene	ND	20	21	104		21	107		70-130	0		20
Dichlorodifluoromethane	ND	10	9.0	90		9.1	91		36-147	1		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG762370-4 WG762370-5 QC Sample: L1502543-02 Client ID: TMW-2												
Acetone	4.0J	10	18	**181**	Q	15	**152**	Q	58-148	18		20
Carbon disulfide	2.4J	10	12	121		12	124		51-130	0		20
2-Butanone	ND	10	13	131		13	127		63-138	0		20
Vinyl acetate	ND	10	11	113		12	117		70-130	9		20
4-Methyl-2-pentanone	ND	10	11	114		12	115		59-130	9		20
2-Hexanone	ND	10	12	118		12	117		57-130	0		20
Bromochloromethane	ND	10	9.5	95		9.8	99		70-130	3		20
2,2-Dichloropropane	ND	10	8.9	89		9.1	91		63-133	2		20
1,2-Dibromoethane	ND	10	10	101		10	103		70-130	0		20
1,3-Dichloropropane	ND	10	10	104		11	106		70-130	10		20
1,1,1,2-Tetrachloroethane	ND	10	10	102		11	106		64-130	10		20
Bromobenzene	ND	10	7.7	77		7.8	78		70-130	1		20
n-Butylbenzene	ND	10	9.7	97		9.8	98		53-136	1		20
sec-Butylbenzene	ND	10	9.2	92		9.2	92		70-130	0		20
tert-Butylbenzene	ND	10	8.5	85		8.6	86		70-130	1		20
o-Chlorotoluene	ND	10	10	104		7.8	78		70-130	**25**	Q	20
p-Chlorotoluene	ND	10	9.4	94		9.4	94		70-130	0		20
1,2-Dibromo-3-chloropropane	ND	10	9.2	92		9.3	93		41-144	1		20
Hexachlorobutadiene	ND	10	7.6	76		8.1	81		63-130	6		20
Isopropylbenzene	ND	10	7.8	78		7.8	78		70-130	0		20
p-Isopropyltoluene	ND	10	9.2	92		9.3	93		70-130	1		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1502543
Report Date: 02/17/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG762370-4 WG762370-5 QC Sample: L1502543-02 Client ID: TMW-2												
n-Propylbenzene	ND	10	8.6	86		8.6	86		69-130	0		20
1,2,3-Trichlorobenzene	ND	10	8.5	85		9.0	90		70-130	6		20
1,2,4-Trichlorobenzene	ND	10	8.3	83		8.5	85		70-130	2		20
1,3,5-Trimethylbenzene	ND	10	10	100		9.9	99		64-130	1		20
1,2,4-Trimethylbenzene	ND	10	9.5	95		9.6	96		70-130	1		20
Methyl Acetate	ND	10	12	117		10	105		70-130	18		20
Ethyl Acetate	ND	10	12	125		12	122		70-130	0		20
Cyclohexane	ND	10	9.9J	99		10	103		70-130	1		20
Ethyl-Tert-Butyl-Ether	ND	10	9.9	99		10	103		70-130	1		20
Tertiary-Amyl Methyl Ether	ND	10	9.8	98		10	101		66-130	2		20
1,4-Dioxane	ND	500	520	104		500	100		56-162	4		20
Freon-113	ND	10	9.7	97		9.9	99		70-130	2		20
1,4-Diethylbenzene	ND	10	9.3	93		9.3	93		70-130	0		20
4-Ethyltoluene	ND	10	9.0	90		9.0	90		70-130	0		20
1,2,4,5-Tetramethylbenzene	ND	10	8.7	87		8.6	86		70-130	1		20
Ethyl ether	ND	10	10	104		11	108		59-134	10		20
trans-1,4-Dichloro-2-butene	ND	10	12	119		12	116		70-130	0		20
Methyl cyclohexane	ND	10	8.7J	87		9.1J	91		70-130	4		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG762370-4 WG762370-5 QC Sample: L1502543-02 Client ID: TMW-2												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		115		70-130
4-Bromofluorobenzene	89		87		70-130
Dibromofluoromethane	109		108		70-130
Toluene-d8	99		99		70-130

SEMIVOLATILES

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1502543
Report Date: 02/17/15

SAMPLE RESULTS

Lab ID:	L1502543-01	Date Collected:	02/09/15 14:23
Client ID:	TMW-1	Date Received:	02/10/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	02/12/15 11:55
Analytical Date:	02/16/15 14:27		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NDPA/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	2.4	J	ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1502543
Report Date: 02/17/15

SAMPLE RESULTS

Lab ID: L1502543-01
Client ID: TMW-1
Sample Location: BUFFALO, NY
Date Collected: 02/09/15 14:23
Date Received: 02/10/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Carbazole	ND		ug/l	2.0	0.37	1
Benzaldehyde	ND		ug/l	5.0	0.99	1
Caprolactam	ND		ug/l	10	0.39	1
Atrazine	ND		ug/l	10	0.79	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.59	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	32		21-120
Phenol-d6	23		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	62		15-120
2,4,6-Tribromophenol	69		10-120
4-Terphenyl-d14	70		41-149

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

SAMPLE RESULTS

Lab ID:	L1502543-01	Date Collected:	02/09/15 14:23
Client ID:	TMW-1	Date Received:	02/10/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	02/12/15 11:54
Analytical Date:	02/13/15 17:52		
Analyst:	KV		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.07	J	ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	ND		ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	0.08	J	ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.08	1
Pyrene	ND		ug/l	0.20	0.06	1
2-Methylnaphthalene	0.47		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Project Name: 905 ELMWOOD AVE.
Lab Number: L1502543
Project Number: 0136-014-002
Report Date: 02/17/15

SAMPLE RESULTS

Lab ID: L1502543-01
Client ID: TMW-1
Sample Location: BUFFALO, NY

Date Collected: 02/09/15 14:23
Date Received: 02/10/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	28		21-120
Phenol-d6	21		10-120
Nitrobenzene-d5	46		23-120
2-Fluorobiphenyl	51		15-120
2,4,6-Tribromophenol	64		10-120
4-Terphenyl-d14	60		41-149

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1502543
Report Date: 02/17/15

SAMPLE RESULTS

Lab ID:	L1502543-02	Date Collected:	02/09/15 12:48
Client ID:	TMW-2	Date Received:	02/10/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	02/12/15 11:55
Analytical Date:	02/17/15 02:21		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NDPA/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1502543
Report Date: 02/17/15

SAMPLE RESULTS

Lab ID: L1502543-02
Client ID: TMW-2
Sample Location: BUFFALO, NY
Date Collected: 02/09/15 12:48
Date Received: 02/10/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Carbazole	ND		ug/l	2.0	0.37	1
Benzaldehyde	ND		ug/l	5.0	0.99	1
Caprolactam	ND		ug/l	10	0.39	1
Atrazine	ND		ug/l	10	0.79	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.59	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	81		15-120
2,4,6-Tribromophenol	93		10-120
4-Terphenyl-d14	85		41-149

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

SAMPLE RESULTS

Lab ID:	L1502543-02	Date Collected:	02/09/15 12:48
Client ID:	TMW-2	Date Received:	02/10/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	02/12/15 11:54
Analytical Date:	02/16/15 20:04		
Analyst:	KV		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	ND		ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	ND		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.08	1
Pyrene	ND		ug/l	0.20	0.06	1
2-Methylnaphthalene	ND		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Project Name: 905 ELMWOOD AVE. **Lab Number:** L1502543

Project Number: 0136-014-002 **Report Date:** 02/17/15

SAMPLE RESULTS

Lab ID:	L1502543-02	Date Collected:	02/09/15 12:48
Client ID:	TMW-2	Date Received:	02/10/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	83		15-120
2,4,6-Tribromophenol	89		10-120
4-Terphenyl-d14	86		41-149

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1502543
Report Date: 02/17/15

SAMPLE RESULTS

Lab ID:	L1502543-03	Date Collected:	02/09/15 14:00
Client ID:	TMW-3	Date Received:	02/10/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	02/12/15 11:55
Analytical Date:	02/17/15 02:47		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	3.4	0.70	1
3,3'-Dichlorobenzidine	ND		ug/l	8.6	0.82	1
2,4-Dinitrotoluene	ND		ug/l	8.6	1.8	1
2,6-Dinitrotoluene	ND		ug/l	8.6	1.5	1
4-Chlorophenyl phenyl ether	ND		ug/l	3.4	0.61	1
4-Bromophenyl phenyl ether	ND		ug/l	3.4	0.74	1
Bis(2-chloroisopropyl)ether	ND		ug/l	3.4	1.0	1
Bis(2-chloroethoxy)methane	ND		ug/l	8.6	1.0	1
Hexachlorocyclopentadiene	ND		ug/l	34	1.0	1
Isophorone	ND		ug/l	8.6	1.4	1
Nitrobenzene	ND		ug/l	3.4	0.69	1
NDPA/DPA	ND		ug/l	3.4	0.59	1
n-Nitrosodi-n-propylamine	ND		ug/l	8.6	1.1	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	5.2	1.6	1
Butyl benzyl phthalate	ND		ug/l	8.6	1.9	1
Di-n-butylphthalate	ND		ug/l	8.6	1.3	1
Di-n-octylphthalate	ND		ug/l	8.6	2.1	1
Diethyl phthalate	ND		ug/l	8.6	0.68	1
Dimethyl phthalate	ND		ug/l	8.6	0.57	1
Biphenyl	ND		ug/l	3.4	0.41	1
4-Chloroaniline	ND		ug/l	8.6	1.4	1
2-Nitroaniline	ND		ug/l	8.6	1.6	1
3-Nitroaniline	ND		ug/l	8.6	1.2	1
4-Nitroaniline	ND		ug/l	8.6	1.4	1
Dibenzofuran	ND		ug/l	3.4	0.38	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	17	0.62	1
Acetophenone	ND		ug/l	8.6	0.74	1
2,4,6-Trichlorophenol	ND		ug/l	8.6	1.3	1
p-Chloro-m-cresol	ND		ug/l	3.4	0.94	1
2-Chlorophenol	ND		ug/l	3.4	1.0	1

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1502543
Report Date: 02/17/15

SAMPLE RESULTS

Lab ID: L1502543-03
Client ID: TMW-3
Sample Location: BUFFALO, NY
Date Collected: 02/09/15 14:00
Date Received: 02/10/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4-Dichlorophenol	ND		ug/l	8.6	0.97	1
2,4-Dimethylphenol	ND		ug/l	8.6	1.0	1
2-Nitrophenol	ND		ug/l	17	1.8	1
4-Nitrophenol	ND		ug/l	17	1.9	1
2,4-Dinitrophenol	ND		ug/l	34	2.4	1
4,6-Dinitro-o-cresol	ND		ug/l	17	2.3	1
Phenol	ND		ug/l	8.6	0.46	1
2-Methylphenol	ND		ug/l	8.6	1.2	1
3-Methylphenol/4-Methylphenol	ND		ug/l	8.6	1.2	1
2,4,5-Trichlorophenol	ND		ug/l	8.6	1.3	1
Carbazole	ND		ug/l	3.4	0.64	1
Benzaldehyde	ND		ug/l	8.6	1.7	1
Caprolactam	ND		ug/l	17	0.67	1
Atrazine	ND		ug/l	17	1.4	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	8.6	1.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		21-120
Phenol-d6	44		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	81		10-120
4-Terphenyl-d14	75		41-149

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

SAMPLE RESULTS

Lab ID:	L1502543-03	Date Collected:	02/09/15 14:00
Client ID:	TMW-3	Date Received:	02/10/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	02/12/15 11:54
Analytical Date:	02/16/15 20:29		
Analyst:	KV		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.34	0.11	1
2-Chloronaphthalene	ND		ug/l	0.34	0.11	1
Fluoranthene	ND		ug/l	0.34	0.07	1
Hexachlorobutadiene	ND		ug/l	0.86	0.12	1
Naphthalene	ND		ug/l	0.34	0.11	1
Benzo(a)anthracene	ND		ug/l	0.34	0.10	1
Benzo(a)pyrene	ND		ug/l	0.34	0.12	1
Benzo(b)fluoranthene	ND		ug/l	0.34	0.12	1
Benzo(k)fluoranthene	ND		ug/l	0.34	0.12	1
Chrysene	ND		ug/l	0.34	0.08	1
Acenaphthylene	ND		ug/l	0.34	0.09	1
Anthracene	ND		ug/l	0.34	0.11	1
Benzo(ghi)perylene	ND		ug/l	0.34	0.12	1
Fluorene	ND		ug/l	0.34	0.10	1
Phenanthrene	0.84		ug/l	0.34	0.11	1
Dibenzo(a,h)anthracene	ND		ug/l	0.34	0.12	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.34	0.14	1
Pyrene	ND		ug/l	0.34	0.10	1
2-Methylnaphthalene	ND		ug/l	0.34	0.10	1
Pentachlorophenol	ND		ug/l	1.4	0.32	1
Hexachlorobenzene	ND		ug/l	1.4	0.02	1
Hexachloroethane	ND		ug/l	1.4	0.11	1

Project Name: 905 ELMWOOD AVE. **Lab Number:** L1502543

Project Number: 0136-014-002 **Report Date:** 02/17/15

SAMPLE RESULTS

Lab ID:	L1502543-03	Date Collected:	02/09/15 14:00
Client ID:	TMW-3	Date Received:	02/10/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		21-120
Phenol-d6	45		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	84		15-120
2,4,6-Tribromophenol	84		10-120
4-Terphenyl-d14	81		41-149

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1502543
Report Date: 02/17/15

SAMPLE RESULTS

Lab ID:	L1502543-04	Date Collected:	02/09/15 12:00
Client ID:	BLIND DUP	Date Received:	02/10/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	02/12/15 11:55
Analytical Date:	02/17/15 03:12		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.5	0.52	1
3,3'-Dichlorobenzidine	ND		ug/l	6.3	0.60	1
2,4-Dinitrotoluene	ND		ug/l	6.3	1.3	1
2,6-Dinitrotoluene	ND		ug/l	6.3	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.5	0.45	1
4-Bromophenyl phenyl ether	ND		ug/l	2.5	0.54	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.5	0.76	1
Bis(2-chloroethoxy)methane	ND		ug/l	6.3	0.75	1
Hexachlorocyclopentadiene	ND		ug/l	25	0.74	1
Isophorone	ND		ug/l	6.3	1.0	1
Nitrobenzene	ND		ug/l	2.5	0.51	1
NDPA/DPA	ND		ug/l	2.5	0.43	1
n-Nitrosodi-n-propylamine	ND		ug/l	6.3	0.82	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.8	1.2	1
Butyl benzyl phthalate	ND		ug/l	6.3	1.4	1
Di-n-butylphthalate	ND		ug/l	6.3	0.97	1
Di-n-octylphthalate	ND		ug/l	6.3	1.5	1
Diethyl phthalate	ND		ug/l	6.3	0.50	1
Dimethyl phthalate	ND		ug/l	6.3	0.42	1
Biphenyl	ND		ug/l	2.5	0.30	1
4-Chloroaniline	ND		ug/l	6.3	1.0	1
2-Nitroaniline	ND		ug/l	6.3	1.2	1
3-Nitroaniline	ND		ug/l	6.3	0.84	1
4-Nitroaniline	ND		ug/l	6.3	1.0	1
Dibenzofuran	ND		ug/l	2.5	0.28	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	13	0.45	1
Acetophenone	ND		ug/l	6.3	0.54	1
2,4,6-Trichlorophenol	ND		ug/l	6.3	0.98	1
p-Chloro-m-cresol	ND		ug/l	2.5	0.69	1
2-Chlorophenol	ND		ug/l	2.5	0.73	1

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1502543
Report Date: 02/17/15

SAMPLE RESULTS

Lab ID: L1502543-04
Client ID: BLIND DUP
Sample Location: BUFFALO, NY
Date Collected: 02/09/15 12:00
Date Received: 02/10/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4-Dichlorophenol	ND		ug/l	6.3	0.71	1
2,4-Dimethylphenol	ND		ug/l	6.3	0.73	1
2-Nitrophenol	ND		ug/l	13	1.3	1
4-Nitrophenol	ND		ug/l	13	1.4	1
2,4-Dinitrophenol	ND		ug/l	25	1.8	1
4,6-Dinitro-o-cresol	ND		ug/l	13	1.7	1
Phenol	ND		ug/l	6.3	0.34	1
2-Methylphenol	ND		ug/l	6.3	0.89	1
3-Methylphenol/4-Methylphenol	ND		ug/l	6.3	0.91	1
2,4,5-Trichlorophenol	ND		ug/l	6.3	0.95	1
Carbazole	ND		ug/l	2.5	0.47	1
Benzaldehyde	ND		ug/l	6.3	1.2	1
Caprolactam	ND		ug/l	13	0.49	1
Atrazine	ND		ug/l	13	1.0	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	6.3	0.75	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	87		10-120
4-Terphenyl-d14	80		41-149

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

SAMPLE RESULTS

Lab ID:	L1502543-04	Date Collected:	02/09/15 12:00
Client ID:	BLIND DUP	Date Received:	02/10/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	02/12/15 11:54
Analytical Date:	02/13/15 18:22		
Analyst:	KV		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.25	0.08	1
2-Chloronaphthalene	ND		ug/l	0.25	0.08	1
Fluoranthene	ND		ug/l	0.25	0.05	1
Hexachlorobutadiene	ND		ug/l	0.63	0.09	1
Naphthalene	ND		ug/l	0.25	0.08	1
Benzo(a)anthracene	ND		ug/l	0.25	0.07	1
Benzo(a)pyrene	ND		ug/l	0.25	0.09	1
Benzo(b)fluoranthene	ND		ug/l	0.25	0.09	1
Benzo(k)fluoranthene	ND		ug/l	0.25	0.09	1
Chrysene	ND		ug/l	0.25	0.06	1
Acenaphthylene	ND		ug/l	0.25	0.06	1
Anthracene	ND		ug/l	0.25	0.08	1
Benzo(ghi)perylene	ND		ug/l	0.25	0.09	1
Fluorene	ND		ug/l	0.25	0.07	1
Phenanthrene	0.95		ug/l	0.25	0.08	1
Dibenzo(a,h)anthracene	ND		ug/l	0.25	0.09	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.25	0.10	1
Pyrene	ND		ug/l	0.25	0.07	1
2-Methylnaphthalene	0.09	J	ug/l	0.25	0.08	1
Pentachlorophenol	ND		ug/l	1.0	0.24	1
Hexachlorobenzene	ND		ug/l	1.0	0.02	1
Hexachloroethane	ND		ug/l	1.0	0.08	1

Project Name: 905 ELMWOOD AVE. **Lab Number:** L1502543

Project Number: 0136-014-002 **Report Date:** 02/17/15

SAMPLE RESULTS

Lab ID:	L1502543-04	Date Collected:	02/09/15 12:00
Client ID:	BLIND DUP	Date Received:	02/10/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		21-120
Phenol-d6	41		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	83		15-120
2,4,6-Tribromophenol	99		10-120
4-Terphenyl-d14	96		41-149

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1502543
Report Date: 02/17/15

SAMPLE RESULTS

Lab ID:	L1502543-05	Date Collected:	02/09/15 15:13
Client ID:	TMW-4	Date Received:	02/10/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	02/12/15 16:21
Analytical Date:	02/17/15 03:38		
Analyst:	JB		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.6	0.52	1
3,3'-Dichlorobenzidine	ND		ug/l	6.4	0.61	1
2,4-Dinitrotoluene	ND		ug/l	6.4	1.3	1
2,6-Dinitrotoluene	ND		ug/l	6.4	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.6	0.46	1
4-Bromophenyl phenyl ether	ND		ug/l	2.6	0.55	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.6	0.76	1
Bis(2-chloroethoxy)methane	ND		ug/l	6.4	0.76	1
Hexachlorocyclopentadiene	ND		ug/l	26	0.75	1
Isophorone	ND		ug/l	6.4	1.0	1
Nitrobenzene	ND		ug/l	2.6	0.51	1
NDPA/DPA	ND		ug/l	2.6	0.44	1
n-Nitrosodi-n-propylamine	ND		ug/l	6.4	0.83	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.8	1.2	1
Butyl benzyl phthalate	ND		ug/l	6.4	1.4	1
Di-n-butylphthalate	ND		ug/l	6.4	0.98	1
Di-n-octylphthalate	ND		ug/l	6.4	1.5	1
Diethyl phthalate	ND		ug/l	6.4	0.50	1
Dimethyl phthalate	ND		ug/l	6.4	0.43	1
Biphenyl	0.57	J	ug/l	2.6	0.30	1
4-Chloroaniline	ND		ug/l	6.4	1.1	1
2-Nitroaniline	ND		ug/l	6.4	1.2	1
3-Nitroaniline	ND		ug/l	6.4	0.86	1
4-Nitroaniline	ND		ug/l	6.4	1.1	1
Dibenzofuran	ND		ug/l	2.6	0.28	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	13	0.46	1
Acetophenone	ND		ug/l	6.4	0.55	1
2,4,6-Trichlorophenol	ND		ug/l	6.4	0.99	1
p-Chloro-m-cresol	ND		ug/l	2.6	0.70	1
2-Chlorophenol	ND		ug/l	2.6	0.74	1

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1502543
Report Date: 02/17/15

SAMPLE RESULTS

Lab ID: L1502543-05
Client ID: TMW-4
Sample Location: BUFFALO, NY
Date Collected: 02/09/15 15:13
Date Received: 02/10/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4-Dichlorophenol	ND		ug/l	6.4	0.72	1
2,4-Dimethylphenol	ND		ug/l	6.4	0.74	1
2-Nitrophenol	ND		ug/l	13	1.3	1
4-Nitrophenol	ND		ug/l	13	1.4	1
2,4-Dinitrophenol	ND		ug/l	26	1.8	1
4,6-Dinitro-o-cresol	ND		ug/l	13	1.7	1
Phenol	ND		ug/l	6.4	0.35	1
2-Methylphenol	ND		ug/l	6.4	0.90	1
3-Methylphenol/4-Methylphenol	ND		ug/l	6.4	0.92	1
2,4,5-Trichlorophenol	ND		ug/l	6.4	0.96	1
Carbazole	ND		ug/l	2.6	0.48	1
Benzaldehyde	ND		ug/l	6.4	1.3	1
Caprolactam	ND		ug/l	13	0.50	1
Atrazine	ND		ug/l	13	1.0	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	6.4	0.76	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	48		23-120
2-Fluorobiphenyl	58		15-120
2,4,6-Tribromophenol	70		10-120
4-Terphenyl-d14	64		41-149

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

SAMPLE RESULTS

Lab ID:	L1502543-05	Date Collected:	02/09/15 15:13
Client ID:	TMW-4	Date Received:	02/10/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	02/12/15 18:33
Analytical Date:	02/13/15 11:38		
Analyst:	KV		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.14	J	ug/l	0.26	0.08	1
2-Chloronaphthalene	ND		ug/l	0.26	0.09	1
Fluoranthene	0.06	J	ug/l	0.26	0.06	1
Hexachlorobutadiene	ND		ug/l	0.64	0.09	1
Naphthalene	ND		ug/l	0.26	0.08	1
Benzo(a)anthracene	ND		ug/l	0.26	0.07	1
Benzo(a)pyrene	ND		ug/l	0.26	0.09	1
Benzo(b)fluoranthene	ND		ug/l	0.26	0.09	1
Benzo(k)fluoranthene	ND		ug/l	0.26	0.09	1
Chrysene	ND		ug/l	0.26	0.06	1
Acenaphthylene	ND		ug/l	0.26	0.06	1
Anthracene	ND		ug/l	0.26	0.08	1
Benzo(ghi)perylene	ND		ug/l	0.26	0.09	1
Fluorene	0.54		ug/l	0.26	0.07	1
Phenanthrene	1.5		ug/l	0.26	0.08	1
Dibenzo(a,h)anthracene	ND		ug/l	0.26	0.09	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.26	0.10	1
Pyrene	ND		ug/l	0.26	0.07	1
2-Methylnaphthalene	0.62		ug/l	0.26	0.08	1
Pentachlorophenol	ND		ug/l	1.0	0.24	1
Hexachlorobenzene	ND		ug/l	1.0	0.02	1
Hexachloroethane	ND		ug/l	1.0	0.08	1

Project Name: 905 ELMWOOD AVE. **Lab Number:** L1502543

Project Number: 0136-014-002 **Report Date:** 02/17/15

SAMPLE RESULTS

Lab ID:	L1502543-05	Date Collected:	02/09/15 15:13
Client ID:	TMW-4	Date Received:	02/10/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	85		10-120
4-Terphenyl-d14	81		41-149

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 02/16/15 13:10
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 02/12/15 11:55

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG762285-1					
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60
Hexachlorocyclopentadiene	ND		ug/l	20	0.58
Isophorone	ND		ug/l	5.0	0.79
Nitrobenzene	ND		ug/l	2.0	0.40
NDPA/DPA	ND		ug/l	2.0	0.34
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.93
Butyl benzyl phthalate	ND		ug/l	5.0	1.1
Di-n-butylphthalate	ND		ug/l	5.0	0.77
Di-n-octylphthalate	ND		ug/l	5.0	1.2
Diethyl phthalate	ND		ug/l	5.0	0.39
Dimethyl phthalate	ND		ug/l	5.0	0.33
Biphenyl	ND		ug/l	2.0	0.24
4-Chloroaniline	ND		ug/l	5.0	0.84
2-Nitroaniline	ND		ug/l	5.0	0.96
3-Nitroaniline	ND		ug/l	5.0	0.67
4-Nitroaniline	ND		ug/l	5.0	0.83
Dibenzofuran	ND		ug/l	2.0	0.22
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36
Acetophenone	ND		ug/l	5.0	0.43
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78
p-Chloro-m-cresol	ND		ug/l	2.0	0.54

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 02/16/15 13:10
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 02/12/15 11:55

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG762285-1					
2-Chlorophenol	ND		ug/l	2.0	0.58
2,4-Dichlorophenol	ND		ug/l	5.0	0.56
2,4-Dimethylphenol	ND		ug/l	5.0	0.58
2-Nitrophenol	ND		ug/l	10	1.0
4-Nitrophenol	ND		ug/l	10	1.1
2,4-Dinitrophenol	ND		ug/l	20	1.4
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4
Phenol	ND		ug/l	5.0	0.27
2-Methylphenol	ND		ug/l	5.0	0.70
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75
Carbazole	ND		ug/l	2.0	0.37
Benzaldehyde	ND		ug/l	5.0	0.99
Caprolactam	ND		ug/l	10	0.39
Atrazine	ND		ug/l	10	0.79
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.59

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	30		21-120
Phenol-d6	20		10-120
Nitrobenzene-d5	48		23-120
2-Fluorobiphenyl	53		15-120
2,4,6-Tribromophenol	56		10-120
4-Terphenyl-d14	70		41-149

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 02/13/15 16:22
Analyst: KV

Extraction Method: EPA 3510C
Extraction Date: 02/12/15 11:54

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-04 Batch: WG762289-1					
Acenaphthene	ND		ug/l	0.20	0.06
2-Chloronaphthalene	ND		ug/l	0.20	0.07
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.07
Naphthalene	ND		ug/l	0.20	0.06
Benzo(a)anthracene	ND		ug/l	0.20	0.06
Benzo(a)pyrene	ND		ug/l	0.20	0.07
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07
Chrysene	ND		ug/l	0.20	0.05
Acenaphthylene	ND		ug/l	0.20	0.05
Anthracene	ND		ug/l	0.20	0.06
Benzo(ghi)perylene	ND		ug/l	0.20	0.07
Fluorene	ND		ug/l	0.20	0.06
Phenanthrene	ND		ug/l	0.20	0.06
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.08
Pyrene	ND		ug/l	0.20	0.06
2-Methylnaphthalene	ND		ug/l	0.20	0.06
Pentachlorophenol	ND		ug/l	0.80	0.19
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.07

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 02/13/15 16:22
Analyst: KV

Extraction Method: EPA 3510C
Extraction Date: 02/12/15 11:54

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-04 Batch: WG762289-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	29		21-120
Phenol-d6	22		10-120
Nitrobenzene-d5	48		23-120
2-Fluorobiphenyl	49		15-120
2,4,6-Tribromophenol	60		10-120
4-Terphenyl-d14	61		41-149

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 02/13/15 10:06
Analyst: KV

Extraction Method: EPA 3510C
Extraction Date: 02/12/15 16:17

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 05 Batch: WG762362-1					
Acenaphthene	ND		ug/l	0.20	0.06
Fluoranthene	ND		ug/l	0.20	0.04
Naphthalene	0.07	J	ug/l	0.20	0.06
Benzo(a)anthracene	ND		ug/l	0.20	0.06
Benzo(a)pyrene	ND		ug/l	0.20	0.07
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07
Chrysene	ND		ug/l	0.20	0.05
Acenaphthylene	ND		ug/l	0.20	0.05
Anthracene	ND		ug/l	0.20	0.06
Benzo(ghi)perylene	ND		ug/l	0.20	0.07
Fluorene	ND		ug/l	0.20	0.06
Phenanthrene	ND		ug/l	0.20	0.06
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.08
Pyrene	ND		ug/l	0.20	0.06

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	72		15-120
4-Terphenyl-d14	90		41-149

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 02/13/15 08:58
Analyst: JB

Extraction Method: EPA 3510C
Extraction Date: 02/12/15 16:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG762364-1					
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60
Hexachlorocyclopentadiene	ND		ug/l	20	0.58
Isophorone	ND		ug/l	5.0	0.79
Nitrobenzene	ND		ug/l	2.0	0.40
NDPA/DPA	ND		ug/l	2.0	0.34
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.93
Butyl benzyl phthalate	ND		ug/l	5.0	1.1
Di-n-butylphthalate	ND		ug/l	5.0	0.77
Di-n-octylphthalate	ND		ug/l	5.0	1.2
Diethyl phthalate	ND		ug/l	5.0	0.39
Dimethyl phthalate	ND		ug/l	5.0	0.33
Biphenyl	ND		ug/l	2.0	0.24
4-Chloroaniline	ND		ug/l	5.0	0.84
2-Nitroaniline	ND		ug/l	5.0	0.96
3-Nitroaniline	ND		ug/l	5.0	0.67
4-Nitroaniline	ND		ug/l	5.0	0.83
Dibenzofuran	ND		ug/l	2.0	0.22
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36
Acetophenone	ND		ug/l	5.0	0.43
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78
p-Chloro-m-cresol	ND		ug/l	2.0	0.54

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 02/13/15 08:58
Analyst: JB

Extraction Method: EPA 3510C
Extraction Date: 02/12/15 16:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG762364-1					
2-Chlorophenol	ND		ug/l	2.0	0.58
2,4-Dichlorophenol	ND		ug/l	5.0	0.56
2,4-Dimethylphenol	ND		ug/l	5.0	0.58
2-Nitrophenol	ND		ug/l	10	1.0
4-Nitrophenol	ND		ug/l	10	1.1
2,4-Dinitrophenol	ND		ug/l	20	1.4
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4
Phenol	ND		ug/l	5.0	0.27
2-Methylphenol	ND		ug/l	5.0	0.70
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75
Carbazole	ND		ug/l	2.0	0.37
Benzaldehyde	ND		ug/l	5.0	0.99
Caprolactam	ND		ug/l	10	0.39
Atrazine	ND		ug/l	10	0.79
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.59

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	77		10-120
4-Terphenyl-d14	84		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

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 Batch: WG762285-2 WG762285-3								
1,2,4-Trichlorobenzene	67		65		39-98	3		30
Bis(2-chloroethyl)ether	79		79		40-140	0		30
1,2-Dichlorobenzene	63		61		40-140	3		30
1,3-Dichlorobenzene	61		58		40-140	5		30
1,4-Dichlorobenzene	62		59		36-97	5		30
3,3'-Dichlorobenzidine	48		48		40-140	0		30
2,4-Dinitrotoluene	92		92		24-96	0		30
2,6-Dinitrotoluene	102		102		40-140	0		30
4-Chlorophenyl phenyl ether	89		89		40-140	0		30
4-Bromophenyl phenyl ether	92		94		40-140	2		30
Bis(2-chloroisopropyl)ether	72		71		40-140	1		30
Bis(2-chloroethoxy)methane	82		82		40-140	0		30
Hexachlorocyclopentadiene	55		55		40-140	0		30
Isophorone	87		86		40-140	1		30
Nitrobenzene	88		87		40-140	1		30
NDPA/DPA	90		90		40-140	0		30
n-Nitrosodi-n-propylamine	83		82		29-132	1		30
Bis(2-ethylhexyl)phthalate	87		88		40-140	1		30
Butyl benzyl phthalate	90		91		40-140	1		30
Di-n-butylphthalate	99		99		40-140	0		30
Di-n-octylphthalate	89		90		40-140	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

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 Batch: WG762285-2 WG762285-3								
Diethyl phthalate	97		97		40-140	0		30
Dimethyl phthalate	94		94		40-140	0		30
Biphenyl	79		78		54-104	1		30
4-Chloroaniline	70		67		40-140	4		30
2-Nitroaniline	94		96		52-143	2		30
3-Nitroaniline	42		39		25-145	7		30
4-Nitroaniline	88		88		51-143	0		30
Dibenzofuran	84		84		40-140	0		30
1,2,4,5-Tetrachlorobenzene	74		72		2-134	3		30
Acetophenone	82		82		39-129	0		30
2,4,6-Trichlorophenol	90		89		30-130	1		30
p-Chloro-m-cresol	94		94		23-97	0		30
2-Chlorophenol	80		80		27-123	0		30
2,4-Dichlorophenol	92		93		30-130	1		30
2,4-Dimethylphenol	60		50		30-130	18		30
2-Nitrophenol	87		88		30-130	1		30
4-Nitrophenol	64		63		10-80	2		30
2,4-Dinitrophenol	95		96		20-130	1		30
4,6-Dinitro-o-cresol	96		96		20-164	0		30
Phenol	41		40		12-110	2		30
2-Methylphenol	71		68		30-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

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 Batch: WG762285-2 WG762285-3								
3-Methylphenol/4-Methylphenol	71		69		30-130	3		30
2,4,5-Trichlorophenol	94		93		30-130	1		30
Benzoic Acid	35		36		10-110	3		30
Benzyl Alcohol	73		73		15-110	0		30
Carbazole	96		96		55-144	0		30
Benzaldehyde	71		71		40-140	0		30
Caprolactam	30		30		10-130	0		30
Atrazine	95		96		40-140	1		30
2,3,4,6-Tetrachlorophenol	94		94		54-145	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	55		54		21-120
Phenol-d6	40		39		10-120
Nitrobenzene-d5	87		87		23-120
2-Fluorobiphenyl	88		89		15-120
2,4,6-Tribromophenol	94		95		10-120
4-Terphenyl-d14	96		96		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-04 Batch: WG762289-2 WG762289-3								
Acenaphthene	76		73		37-111	4		40
2-Chloronaphthalene	70		73		40-140	4		40
Fluoranthene	91		84		40-140	8		40
Hexachlorobutadiene	66		62		40-140	6		40
Naphthalene	74		67		40-140	10		40
Benzo(a)anthracene	92		87		40-140	6		40
Benzo(a)pyrene	86		84		40-140	2		40
Benzo(b)fluoranthene	90		89		40-140	1		40
Benzo(k)fluoranthene	88		84		40-140	5		40
Chrysene	84		83		40-140	1		40
Acenaphthylene	81		79		40-140	3		40
Anthracene	86		79		40-140	8		40
Benzo(ghi)perylene	86		83		40-140	4		40
Fluorene	82		78		40-140	5		40
Phenanthrene	78		75		40-140	4		40
Dibenzo(a,h)anthracene	86		86		40-140	0		40
Indeno(1,2,3-cd)pyrene	92		88		40-140	4		40
Pyrene	88		82		26-127	7		40
2-Methylnaphthalene	79		78		40-140	1		40
Pentachlorophenol	83		69		9-103	18		40
Hexachlorobenzene	85		78		40-140	9		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1502543
Report Date: 02/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-04 Batch: WG762289-2 WG762289-3								
Hexachloroethane	74		68		40-140	8		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	49		41		21-120
Phenol-d6	38		33		10-120
Nitrobenzene-d5	84		72		23-120
2-Fluorobiphenyl	81		74		15-120
2,4,6-Tribromophenol	93		83		10-120
4-Terphenyl-d14	89		77		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
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Lab Number: L1502543
Report Date: 02/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 05 Batch: WG762362-2 WG762362-3								
Acenaphthene	73		77		37-111	5		40
Fluoranthene	84		90		40-140	7		40
Naphthalene	68		69		40-140	1		40
Benzo(a)anthracene	90		92		40-140	2		40
Benzo(a)pyrene	84		85		40-140	1		40
Benzo(b)fluoranthene	87		85		40-140	2		40
Benzo(k)fluoranthene	85		82		40-140	4		40
Chrysene	86		84		40-140	2		40
Acenaphthylene	79		80		40-140	1		40
Anthracene	78		86		40-140	10		40
Benzo(ghi)perylene	81		82		40-140	1		40
Fluorene	81		81		40-140	0		40
Phenanthrene	76		79		40-140	4		40
Dibenzo(a,h)anthracene	86		85		40-140	1		40
Indeno(1,2,3-cd)pyrene	88		85		40-140	3		40
Pyrene	82		88		26-127	7		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: 905 ELMWOOD AVE.

Project Number: 0136-014-002

Lab Number: L1502543

Report Date: 02/17/15

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

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 05 Batch: WG762362-2 WG762362-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Nitrobenzene-d5	77		82		23-120
2-Fluorobiphenyl	76		80		15-120
4-Terphenyl-d14	86		92		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG762364-2 WG762364-3								
Acenaphthene	71		82		37-111	14		30
1,2,4-Trichlorobenzene	47		60		39-98	24		30
Hexachlorobenzene	88		92		40-140	4		30
Bis(2-chloroethyl)ether	48		66		40-140	**32**	Q	30
2-Chloronaphthalene	67		81		40-140	19		30
1,2-Dichlorobenzene	**38**	Q	52		40-140	**31**	Q	30
1,3-Dichlorobenzene	**37**	Q	51		40-140	**32**	Q	30
1,4-Dichlorobenzene	37		52		36-97	**34**	Q	30
3,3'-Dichlorobenzidine	78		65		40-140	18		30
2,4-Dinitrotoluene	**97**	Q	**101**	Q	24-96	4		30
2,6-Dinitrotoluene	95		99		40-140	4		30
Fluoranthene	95		96		40-140	1		30
4-Chlorophenyl phenyl ether	79		87		40-140	10		30
4-Bromophenyl phenyl ether	89		92		40-140	3		30
Bis(2-chloroisopropyl)ether	46		64		40-140	**33**	Q	30
Bis(2-chloroethoxy)methane	58		77		40-140	28		30
Hexachlorobutadiene	44		60		40-140	**31**	Q	30
Hexachlorocyclopentadiene	45		54		40-140	18		30
Hexachloroethane	**35**	Q	49		40-140	**33**	Q	30
Isophorone	62		81		40-140	27		30
Naphthalene	50		65		40-140	26		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG762364-2 WG762364-3								
Nitrobenzene	52		67		40-140	25		30
NDPA/DPA	87		90		40-140	3		30
n-Nitrosodi-n-propylamine	57		74		29-132	26		30
Bis(2-ethylhexyl)phthalate	97		97		40-140	0		30
Butyl benzyl phthalate	100		104		40-140	4		30
Di-n-butylphthalate	93		92		40-140	1		30
Di-n-octylphthalate	93		94		40-140	1		30
Diethyl phthalate	87		91		40-140	4		30
Dimethyl phthalate	81		85		40-140	5		30
Benzo(a)anthracene	94		91		40-140	3		30
Benzo(a)pyrene	99		94		40-140	5		30
Benzo(b)fluoranthene	92		90		40-140	2		30
Benzo(k)fluoranthene	94		92		40-140	2		30
Chrysene	91		91		40-140	0		30
Acenaphthylene	74		85		45-123	14		30
Anthracene	88		88		40-140	0		30
Benzo(ghi)perylene	97		94		40-140	3		30
Fluorene	80		87		40-140	8		30
Phenanthrene	84		86		40-140	2		30
Dibenzo(a,h)anthracene	99		99		40-140	0		30
Indeno(1,2,3-cd)Pyrene	103		99		40-140	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1502543
Report Date: 02/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG762364-2 WG762364-3								
Pyrene	94		95		26-127	1		30
Biphenyl	64		77		54-104	18		30
4-Chloroaniline	56		57		40-140	2		30
2-Nitroaniline	94		103		52-143	9		30
3-Nitroaniline	80		70		25-145	13		30
4-Nitroaniline	95		100		51-143	5		30
Dibenzofuran	74		85		40-140	14		30
2-Methylnaphthalene	58		73		40-140	23		30
1,2,4,5-Tetrachlorobenzene	58		71		2-134	20		30
Acetophenone	55		72		39-129	27		30
2,4,6-Trichlorophenol	81		93		30-130	14		30
p-Chloro-m-cresol	78		89		23-97	13		30
2-Chlorophenol	50		68		27-123	**31**	Q	30
2,4-Dichlorophenol	67		84		30-130	23		30
2,4-Dimethylphenol	59		76		30-130	25		30
2-Nitrophenol	60		80		30-130	29		30
4-Nitrophenol	55		60		10-80	9		30
2,4-Dinitrophenol	83		88		20-130	6		30
4,6-Dinitro-o-cresol	88		92		20-164	4		30
Pentachlorophenol	97		97		9-103	0		30
Phenol	25		33		12-110	28		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1502543
Report Date: 02/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG762364-2 WG762364-3								
2-Methylphenol	50		65		30-130	26		30
3-Methylphenol/4-Methylphenol	52		66		30-130	24		30
2,4,5-Trichlorophenol	84		94		30-130	11		30
Benzoic Acid	18		25		10-110	**33**	Q	30
Benzyl Alcohol	48		64		15-110	29		30
Carbazole	91		91		55-144	0		30
Benzaldehyde	42		58		40-140	**32**	Q	30
Caprolactam	29		30		10-130	3		30
Atrazine	96		94		40-140	2		30
2,3,4,6-Tetrachlorophenol	89		94		54-145	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	33		46		21-120
Phenol-d6	28		35		10-120
Nitrobenzene-d5	53		71		23-120
2-Fluorobiphenyl	68		82		15-120
2,4,6-Tribromophenol	96		98		10-120
4-Terphenyl-d14	93		93		41-149

Matrix Spike Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1502543
Report Date: 02/17/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG762285-4 WG762285-5 QC Sample: L1502543-02 Client ID: TMW-2												
1,2,4-Trichlorobenzene	ND	40	34	85		30	75		39-98	13		30
Bis(2-chloroethyl)ether	ND	40	35	88		29	73		40-140	19		30
1,2-Dichlorobenzene	ND	40	32	80		27	68		40-140	17		30
1,3-Dichlorobenzene	ND	40	32	80		27	68		40-140	17		30
1,4-Dichlorobenzene	ND	40	32	80		26	65		36-97	21		30
3,3'-Dichlorobenzidine	ND	40	2.0J	**5**	Q	8.3	**21**	Q	40-140	**122**	Q	30
2,4-Dinitrotoluene	ND	40	45	**110**	Q	34	85		24-96	28		30
2,6-Dinitrotoluene	ND	40	42	110		34	85		40-140	21		30
4-Chlorophenyl phenyl ether	ND	40	40	100		35	88		40-140	13		30
4-Bromophenyl phenyl ether	ND	40	43	110		38	95		40-140	12		30
Bis(2-chloroisopropyl)ether	ND	40	34	85		27	68		40-140	23		30
Bis(2-chloroethoxy)methane	ND	40	35	88		29	73		40-140	19		30
Hexachlorocyclopentadiene	ND	40	32	80		9.6J	**24**	Q	40-140	**108**	Q	30
Isophorone	ND	40	37	93		30	75		40-140	21		30
Nitrobenzene	ND	40	36	90		30	75		40-140	18		30
NDPA/DPA	ND	40	41	100		35	88		40-140	16		30
n-Nitrosodi-n-propylamine	ND	40	35	88		28	70		29-132	22		30
Bis(2-ethylhexyl)phthalate	ND	40	46	120		42	110		40-140	9		30
Butyl benzyl phthalate	ND	40	46	120		34	85		40-140	30		30
Di-n-butylphthalate	ND	40	43	110		32	80		40-140	29		30
Di-n-octylphthalate	ND	40	47	120		44	110		40-140	7		30

Matrix Spike Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG762285-4 WG762285-5 QC Sample: L1502543-02 Client ID: TMW-2												
Diethyl phthalate	ND	40	40	100		34	85		40-140	16		30
Dimethyl phthalate	ND	40	40	100		32	80		40-140	22		30
Biphenyl	ND	40	38	95		32	80		54-104	17		30
4-Chloroaniline	ND	40	19	48		18	45		40-140	5		30
2-Nitroaniline	ND	40	44	110		40	100		52-143	10		30
3-Nitroaniline	ND	40	16	40		24	60		25-145	**40**	Q	30
4-Nitroaniline	ND	40	32	80		30	75		51-143	6		30
Dibenzofuran	ND	40	39	98		33	83		40-140	17		30
1,2,4,5-Tetrachlorobenzene	ND	40	38	95		33	83		2-134	14		30
Acetophenone	ND	40	36	90		30	75		39-129	18		30
2,4,6-Trichlorophenol	ND	40	42	110		37	93		30-130	13		30
p-Chloro-m-cresol	ND	40	40	**100**	Q	34	85		23-97	16		30
2-Chlorophenol	ND	40	36	90		30	75		27-123	18		30
2,4-Dichlorophenol	ND	40	40	100		35	88		30-130	13		30
2,4-Dimethylphenol	ND	40	30	75		12	30		30-130	**86**	Q	30
2-Nitrophenol	ND	40	42	110		31	78		30-130	30		30
4-Nitrophenol	ND	40	28	70		21	53		10-80	29		30
2,4-Dinitrophenol	ND	40	42	110		14.J	35		20-130	**100**	Q	30
4,6-Dinitro-o-cresol	ND	40	43	110		11	28		20-164	**119**	Q	30
Phenol	ND	40	16	40		12	30		12-110	29		30
2-Methylphenol	ND	40	32	80		24	60		30-130	29		30

Matrix Spike Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1502543
Report Date: 02/17/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG762285-4 WG762285-5 QC Sample: L1502543-02 Client ID: TMW-2												
3-Methylphenol/4-Methylphenol	ND	40	30	75		24	60		30-130	22		30
2,4,5-Trichlorophenol	ND	40	42	110		38	95		30-130	10		30
Benzoic Acid	ND	40	20J	50		16.J	40		10-110	22		30
Benzyl Alcohol	ND	40	29	73		22	55		15-110	27		30
Carbazole	ND	40	43	110		35	88		55-144	21		30
Benzaldehyde	ND	40	28	70		24	60		40-140	15		30
Caprolactam	ND	40	12	30		10	25		10-130	18		30
Atrazine	ND	40	43	110		36	90		40-140	18		30
2,3,4,6-Tetrachlorophenol	ND	40	43	110		38	95		54-145	12		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	115		103		10-120
2-Fluorobiphenyl	95		83		15-120
2-Fluorophenol	59		48		21-120
4-Terphenyl-d14	105		80		41-149
Nitrobenzene-d5	89		72		23-120
Phenol-d6	42		34		10-120

Matrix Spike Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1502543
Report Date: 02/17/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG762289-4 WG762289-5 QC Sample: L1502543-02 Client ID: TMW-2												
Acenaphthene	ND	40	34	85		33	83		37-111	3		40
2-Chloronaphthalene	ND	40	35	88		35	88		40-140	0		40
Fluoranthene	ND	40	39	98		39	98		40-140	0		40
Hexachlorobutadiene	ND	40	29	73		30	75		40-140	3		40
Naphthalene	ND	40	32	80		31	78		40-140	3		40
Benzo(a)anthracene	ND	40	39	98		38	95		40-140	3		40
Benzo(a)pyrene	ND	40	39	98		39	98		40-140	0		40
Benzo(b)fluoranthene	ND	40	39	98		39	98		40-140	0		40
Benzo(k)fluoranthene	ND	40	38	95		38	95		40-140	0		40
Chrysene	ND	40	36	90		36	90		40-140	0		40
Acenaphthylene	ND	40	36	90		36	90		40-140	0		40
Anthracene	ND	40	36	90		36	90		40-140	0		40
Benzo(ghi)perylene	ND	40	41	100		41	100		40-140	0		40
Fluorene	ND	40	38	95		37	93		40-140	3		40
Phenanthrene	ND	40	36	90		35	88		40-140	3		40
Dibenzo(a,h)anthracene	ND	40	41	100		42	110		40-140	2		40
Indeno(1,2,3-cd)Pyrene	ND	40	41	100		41	100		40-140	0		40
Pyrene	ND	40	38	95		38	95		26-127	0		40
2-Methylnaphthalene	ND	40	36	90		36	90		40-140	0		40
Pentachlorophenol	ND	40	37	93		39	98		9-103	5		40
Hexachlorobenzene	ND	40	36	90		36	90		40-140	0		40

Matrix Spike Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1502543
Report Date: 02/17/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG762289-4 WG762289-5 QC Sample: L1502543-02 Client ID: TMW-2												
Hexachloroethane	ND	40	29	73		29	73		40-140	0		40

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	100		101		10-120
2-Fluorobiphenyl	88		88		15-120
2-Fluorophenol	52		51		21-120
4-Terphenyl-d14	87		88		41-149
Nitrobenzene-d5	86		86		23-120
Phenol-d6	36		36		10-120

PCBS

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1502543
Report Date: 02/17/15

SAMPLE RESULTS

Lab ID:	L1502543-01	Date Collected:	02/09/15 14:23
Client ID:	TMW-1	Date Received:	02/10/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	02/12/15 08:39
Analytical Date:	02/13/15 17:38	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	02/13/15
		Cleanup Method:	EPA 3660B
		Cleanup Date:	02/13/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.156	0.103	1	A
Aroclor 1221	ND		ug/l	0.156	0.100	1	A
Aroclor 1232	ND		ug/l	0.156	0.058	1	A
Aroclor 1242	ND		ug/l	0.156	0.112	1	A
Aroclor 1248	ND		ug/l	0.156	0.095	1	A
Aroclor 1254	ND		ug/l	0.156	0.064	1	A
Aroclor 1260	ND		ug/l	0.156	0.059	1	A
Aroclor 1262	ND		ug/l	0.156	0.055	1	A
Aroclor 1268	ND		ug/l	0.156	0.070	1	A
PCBs, Total	ND		ug/l	0.156	0.055	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	52		30-150	B
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	49		30-150	A

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1502543
Report Date: 02/17/15

SAMPLE RESULTS

Lab ID:	L1502543-02	Date Collected:	02/09/15 12:48
Client ID:	TMW-2	Date Received:	02/10/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	02/12/15 08:39
Analytical Date:	02/13/15 17:50	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	02/13/15
		Cleanup Method:	EPA 3660B
		Cleanup Date:	02/13/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	38		30-150	B
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	36		30-150	A

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1502543
Report Date: 02/17/15

SAMPLE RESULTS

Lab ID:	L1502543-03	Date Collected:	02/09/15 14:00
Client ID:	TMW-3	Date Received:	02/10/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	02/12/15 08:39
Analytical Date:	02/13/15 18:03	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	02/13/15
		Cleanup Method:	EPA 3660B
		Cleanup Date:	02/13/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.119	0.079	1	A
Aroclor 1221	ND		ug/l	0.119	0.076	1	A
Aroclor 1232	ND		ug/l	0.119	0.044	1	A
Aroclor 1242	ND		ug/l	0.119	0.086	1	A
Aroclor 1248	ND		ug/l	0.119	0.073	1	A
Aroclor 1254	ND		ug/l	0.119	0.049	1	A
Aroclor 1260	ND		ug/l	0.119	0.045	1	A
Aroclor 1262	ND		ug/l	0.119	0.042	1	A
Aroclor 1268	ND		ug/l	0.119	0.054	1	A
PCBs, Total	ND		ug/l	0.119	0.042	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	60		30-150	B
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	57		30-150	A

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1502543
Report Date: 02/17/15

SAMPLE RESULTS

Lab ID:	L1502543-04	Date Collected:	02/09/15 12:00
Client ID:	BLIND DUP	Date Received:	02/10/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	02/12/15 08:39
Analytical Date:	02/13/15 18:15	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	02/13/15
		Cleanup Method:	EPA 3660B
		Cleanup Date:	02/13/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	54		30-150	B
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	53		30-150	A

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1502543
Report Date: 02/17/15

SAMPLE RESULTS

Lab ID:	L1502543-05	Date Collected:	02/09/15 15:13
Client ID:	TMW-4	Date Received:	02/10/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	02/12/15 15:55
Analytical Date:	02/13/15 16:36	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	02/13/15
		Cleanup Method:	EPA 3660B
		Cleanup Date:	02/13/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.100	0.066	1	A
Aroclor 1221	ND		ug/l	0.100	0.064	1	A
Aroclor 1232	ND		ug/l	0.100	0.037	1	A
Aroclor 1242	ND		ug/l	0.100	0.072	1	A
Aroclor 1248	ND		ug/l	0.100	0.061	1	A
Aroclor 1254	ND		ug/l	0.100	0.041	1	A
Aroclor 1260	ND		ug/l	0.100	0.038	1	A
Aroclor 1262	ND		ug/l	0.100	0.035	1	A
Aroclor 1268	ND		ug/l	0.100	0.045	1	A
PCBs, Total	ND		ug/l	0.100	0.035	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	57		30-150	B
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	51		30-150	A

Project Name: 905 ELMWOOD AVE.

Project Number: 0136-014-002

Lab Number: L1502543

Report Date: 02/17/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 02/13/15 18:52
Analyst: JW

Extraction Method: EPA 3510C
Extraction Date: 02/12/15 08:39
Cleanup Method: EPA 3665A
Cleanup Date: 02/13/15
Cleanup Method: EPA 3660B
Cleanup Date: 02/13/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-04 Batch: WG762199-1						
Aroclor 1016	ND		ug/l	0.083	0.055	A
Aroclor 1221	ND		ug/l	0.083	0.053	A
Aroclor 1232	ND		ug/l	0.083	0.031	A
Aroclor 1242	ND		ug/l	0.083	0.060	A
Aroclor 1248	ND		ug/l	0.083	0.051	A
Aroclor 1254	ND		ug/l	0.083	0.034	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.029	A
Aroclor 1268	ND		ug/l	0.083	0.038	A
PCBs, Total	ND		ug/l	0.083	0.029	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	64		30-150	B
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	65		30-150	A

Project Name: 905 ELMWOOD AVE.

Project Number: 0136-014-002

Lab Number: L1502543

Report Date: 02/17/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 02/13/15 16:48
Analyst: JW

Extraction Method: EPA 3510C
Extraction Date: 02/12/15 15:55
Cleanup Method: EPA 3665A
Cleanup Date: 02/13/15
Cleanup Method: EPA 3660B
Cleanup Date: 02/13/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 05 Batch: WG762351-1						
Aroclor 1016	ND		ug/l	0.083	0.055	A
Aroclor 1221	ND		ug/l	0.083	0.053	A
Aroclor 1232	ND		ug/l	0.083	0.031	A
Aroclor 1242	ND		ug/l	0.083	0.060	A
Aroclor 1248	ND		ug/l	0.083	0.051	A
Aroclor 1254	ND		ug/l	0.083	0.034	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.029	A
Aroclor 1268	ND		ug/l	0.083	0.038	A
PCBs, Total	ND		ug/l	0.083	0.029	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	45		30-150	B
Decachlorobiphenyl	62		30-150	B
2,4,5,6-Tetrachloro-m-xylene	47		30-150	A
Decachlorobiphenyl	59		30-150	A

Matrix Spike Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1502543
Report Date: 02/17/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG762199-4 WG762199-5 QC Sample: L1502543-02 Client ID: TMW-2													
Aroclor 1016	ND	2.6	1.82	70		2.16	83		40-140	17		50	A
Aroclor 1260	ND	2.6	1.75	67		1.87	72		40-140	7		50	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		63		30-150	B
Decachlorobiphenyl	52		46		30-150	B
2,4,5,6-Tetrachloro-m-xylene	58		68		30-150	A
Decachlorobiphenyl	50		44		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1502543
Report Date: 02/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG762199-2 WG762199-3									
Aroclor 1016	66		77		40-140	16		50	A
Aroclor 1260	56		67		40-140	18		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		60		30-150	B
Decachlorobiphenyl	61		71		30-150	B
2,4,5,6-Tetrachloro-m-xylene	57		65		30-150	A
Decachlorobiphenyl	59		69		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1502543
Report Date: 02/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 05 Batch: WG762351-2 WG762351-3									
Aroclor 1016	61		61		40-140	1		50	A
Aroclor 1260	67		69		40-140	3		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	47		46		30-150	B
Decachlorobiphenyl	62		69		30-150	B
2,4,5,6-Tetrachloro-m-xylene	50		48		30-150	A
Decachlorobiphenyl	58		64		30-150	A

PESTICIDES

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1502543
Report Date: 02/17/15

SAMPLE RESULTS

Lab ID:	L1502543-01	Date Collected:	02/09/15 14:23
Client ID:	TMW-1	Date Received:	02/10/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	02/12/15 08:29
Analytical Date:	02/16/15 14:39	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	02/13/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	0.013	J	ug/l	0.020	0.003	1	B
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin aldehyde	ND		ug/l	0.040	0.008	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	61		30-150	B

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

SAMPLE RESULTS

Lab ID:	L1502543-01	Date Collected:	02/09/15 14:23
Client ID:	TMW-1	Date Received:	02/10/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	02/11/15 15:59
Analytical Date:	02/12/15 20:04		
Analyst:	SS		

Methylation Date: 02/12/15 12:13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.544	1	A
2,4,5-T	ND		ug/l	2.00	0.488	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.391	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	85		30-150	A
DCAA	79		30-150	B

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1502543
Report Date: 02/17/15

SAMPLE RESULTS

Lab ID:	L1502543-02	Date Collected:	02/09/15 12:48
Client ID:	TMW-2	Date Received:	02/10/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	02/12/15 08:29
Analytical Date:	02/16/15 14:55	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	02/13/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	0.040		ug/l	0.020	0.003	1	B
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin aldehyde	ND		ug/l	0.040	0.008	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	0.012	J	ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	0.023	P	ug/l	0.020	0.007	1	A
trans-Chlordane	0.096		ug/l	0.020	0.006	1	A
Chlordane	1.21		ug/l	0.200	0.046	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	95		30-150	B
Decachlorobiphenyl	59		30-150	B

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

SAMPLE RESULTS

Lab ID:	L1502543-02	Date Collected:	02/09/15 12:48
Client ID:	TMW-2	Date Received:	02/10/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	02/11/15 15:59
Analytical Date:	02/12/15 20:24		
Analyst:	SS		

Methylation Date: 02/12/15 12:13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.544	1	A
2,4,5-T	ND		ug/l	2.00	0.488	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.391	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	77		30-150	A
DCAA	72		30-150	B

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1502543
Report Date: 02/17/15

SAMPLE RESULTS

Lab ID:	L1502543-03	Date Collected:	02/09/15 14:00
Client ID:	TMW-3	Date Received:	02/10/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	02/12/15 08:29
Analytical Date:	02/16/15 15:11	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	02/13/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.023	0.005	1	A
Lindane	ND		ug/l	0.023	0.005	1	A
Alpha-BHC	ND		ug/l	0.023	0.005	1	A
Beta-BHC	ND		ug/l	0.023	0.007	1	A
Heptachlor	ND		ug/l	0.023	0.004	1	A
Aldrin	ND		ug/l	0.023	0.003	1	A
Heptachlor epoxide	ND		ug/l	0.023	0.005	1	A
Endrin	ND		ug/l	0.047	0.005	1	A
Endrin aldehyde	ND		ug/l	0.047	0.009	1	A
Endrin ketone	ND		ug/l	0.047	0.006	1	A
Dieldrin	ND		ug/l	0.047	0.005	1	A
4,4'-DDE	ND		ug/l	0.047	0.004	1	A
4,4'-DDD	ND		ug/l	0.047	0.005	1	A
4,4'-DDT	ND		ug/l	0.047	0.005	1	A
Endosulfan I	ND		ug/l	0.023	0.004	1	A
Endosulfan II	ND		ug/l	0.047	0.006	1	A
Endosulfan sulfate	ND		ug/l	0.047	0.006	1	A
Methoxychlor	ND		ug/l	0.232	0.008	1	A
Toxaphene	ND		ug/l	0.232	0.073	1	A
cis-Chlordane	ND		ug/l	0.023	0.008	1	A
trans-Chlordane	ND		ug/l	0.023	0.007	1	A
Chlordane	ND		ug/l	0.232	0.054	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	87		30-150	B

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

SAMPLE RESULTS

Lab ID:	L1502543-03	Date Collected:	02/09/15 14:00
Client ID:	TMW-3	Date Received:	02/10/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	02/11/15 15:59
Analytical Date:	02/12/15 20:43		
Analyst:	SS		

Methylation Date: 02/12/15 12:13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.544	1	A
2,4,5-T	ND		ug/l	2.00	0.488	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.391	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	85		30-150	A
DCAA	78		30-150	B

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1502543
Report Date: 02/17/15

SAMPLE RESULTS

Lab ID:	L1502543-04	Date Collected:	02/09/15 12:00
Client ID:	BLIND DUP	Date Received:	02/10/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	02/12/15 08:29
Analytical Date:	02/16/15 15:27	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	02/13/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.021	0.005	1	A
Lindane	ND		ug/l	0.021	0.005	1	A
Alpha-BHC	ND		ug/l	0.021	0.005	1	A
Beta-BHC	ND		ug/l	0.021	0.006	1	A
Heptachlor	ND		ug/l	0.021	0.003	1	A
Aldrin	ND		ug/l	0.021	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.021	0.004	1	A
Endrin	ND		ug/l	0.042	0.005	1	A
Endrin aldehyde	ND		ug/l	0.042	0.009	1	A
Endrin ketone	ND		ug/l	0.042	0.005	1	A
Dieldrin	ND		ug/l	0.042	0.005	1	A
4,4'-DDE	ND		ug/l	0.042	0.004	1	A
4,4'-DDD	ND		ug/l	0.042	0.005	1	A
4,4'-DDT	ND		ug/l	0.042	0.005	1	A
Endosulfan I	ND		ug/l	0.021	0.004	1	A
Endosulfan II	ND		ug/l	0.042	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.042	0.005	1	A
Methoxychlor	ND		ug/l	0.210	0.007	1	A
Toxaphene	ND		ug/l	0.210	0.066	1	A
cis-Chlordane	ND		ug/l	0.021	0.007	1	A
trans-Chlordane	ND		ug/l	0.021	0.007	1	A
Chlordane	2.65		ug/l	0.210	0.049	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	85		30-150	B

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

SAMPLE RESULTS

Lab ID:	L1502543-04	Date Collected:	02/09/15 12:00
Client ID:	BLIND DUP	Date Received:	02/10/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	02/11/15 15:59
Analytical Date:	02/12/15 21:03		
Analyst:	SS		

Methylation Date: 02/12/15 12:13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.544	1	A
2,4,5-T	ND		ug/l	2.00	0.488	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.391	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	102		30-150	A
DCAA	105		30-150	B

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1502543
Report Date: 02/17/15

SAMPLE RESULTS

Lab ID:	L1502543-05	Date Collected:	02/09/15 15:13
Client ID:	TMW-4	Date Received:	02/10/15
Sample Location:	BUFFALO, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	02/12/15 16:00
Analytical Date:	02/14/15 02:46	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	02/13/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.024	0.006	1	A
Lindane	ND		ug/l	0.024	0.005	1	A
Alpha-BHC	ND		ug/l	0.024	0.005	1	A
Beta-BHC	ND		ug/l	0.024	0.007	1	A
Heptachlor	ND		ug/l	0.024	0.004	1	A
Aldrin	ND		ug/l	0.024	0.003	1	A
Heptachlor epoxide	ND		ug/l	0.024	0.005	1	A
Endrin	ND		ug/l	0.048	0.005	1	A
Endrin aldehyde	ND		ug/l	0.048	0.010	1	A
Endrin ketone	ND		ug/l	0.048	0.006	1	A
Dieldrin	ND		ug/l	0.048	0.005	1	A
4,4'-DDE	ND		ug/l	0.048	0.005	1	A
4,4'-DDD	ND		ug/l	0.048	0.006	1	A
4,4'-DDT	ND		ug/l	0.048	0.005	1	A
Endosulfan I	ND		ug/l	0.024	0.004	1	A
Endosulfan II	ND		ug/l	0.048	0.006	1	A
Endosulfan sulfate	ND		ug/l	0.048	0.006	1	A
Methoxychlor	ND		ug/l	0.238	0.008	1	A
Toxaphene	ND		ug/l	0.238	0.075	1	A
cis-Chlordane	ND		ug/l	0.024	0.008	1	A
trans-Chlordane	ND		ug/l	0.024	0.007	1	A
Chlordane	ND		ug/l	0.238	0.055	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 02/12/15 18:26
Analyst: SS

Extraction Method: EPA 8151A
Extraction Date: 02/11/15 15:59

Methylation Date: 02/12/15 12:13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-04 Batch: WG762043-1						
2,4-D	ND		ug/l	10.0	0.544	A
2,4,5-T	ND		ug/l	2.00	0.488	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.391	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	84		30-150	A
DCAA	69		30-150	B

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 02/16/15 14:06
Analyst: JW

Extraction Method: EPA 3510C
Extraction Date: 02/12/15 08:29
Cleanup Method: EPA 3620B
Cleanup Date: 02/13/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-04 Batch: WG762195-1						
Delta-BHC	ND		ug/l	0.020	0.005	A
Lindane	ND		ug/l	0.020	0.004	A
Alpha-BHC	ND		ug/l	0.020	0.004	A
Beta-BHC	ND		ug/l	0.020	0.006	A
Heptachlor	ND		ug/l	0.020	0.003	A
Aldrin	ND		ug/l	0.020	0.002	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	A
Endrin	ND		ug/l	0.040	0.004	A
Endrin aldehyde	ND		ug/l	0.040	0.008	A
Endrin ketone	ND		ug/l	0.040	0.005	A
Dieldrin	ND		ug/l	0.040	0.004	A
4,4'-DDE	ND		ug/l	0.040	0.004	A
4,4'-DDD	ND		ug/l	0.040	0.005	A
4,4'-DDT	ND		ug/l	0.040	0.004	A
Endosulfan I	ND		ug/l	0.020	0.003	A
Endosulfan II	ND		ug/l	0.040	0.005	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	A
Methoxychlor	ND		ug/l	0.200	0.007	A
Toxaphene	ND		ug/l	0.200	0.063	A
cis-Chlordane	ND		ug/l	0.020	0.007	A
trans-Chlordane	ND		ug/l	0.020	0.006	A
Chlordane	ND		ug/l	0.200	0.046	A

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 02/16/15 14:06
Analyst: JW

Extraction Method: EPA 3510C
Extraction Date: 02/12/15 08:29
Cleanup Method: EPA 3620B
Cleanup Date: 02/13/15

Parameter	Result	Qualifier	Units	RL	MDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-04 Batch: WG762195-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	97		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 02/14/15 01:57
Analyst: JW

Extraction Method: EPA 3510C
Extraction Date: 02/12/15 16:00
Cleanup Method: EPA 3620B
Cleanup Date: 02/13/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 05 Batch: WG762355-1						
Delta-BHC	ND		ug/l	0.020	0.005	A
Lindane	ND		ug/l	0.020	0.004	A
Alpha-BHC	ND		ug/l	0.020	0.004	A
Beta-BHC	ND		ug/l	0.020	0.006	A
Heptachlor	ND		ug/l	0.020	0.003	A
Aldrin	ND		ug/l	0.020	0.002	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	A
Endrin	ND		ug/l	0.040	0.004	A
Endrin aldehyde	ND		ug/l	0.040	0.008	A
Endrin ketone	ND		ug/l	0.040	0.005	A
Dieldrin	ND		ug/l	0.040	0.004	A
4,4'-DDE	ND		ug/l	0.040	0.004	A
4,4'-DDD	ND		ug/l	0.040	0.005	A
4,4'-DDT	ND		ug/l	0.040	0.004	A
Endosulfan I	ND		ug/l	0.020	0.003	A
Endosulfan II	ND		ug/l	0.040	0.005	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	A
Methoxychlor	ND		ug/l	0.200	0.007	A
Toxaphene	ND		ug/l	0.200	0.063	A
cis-Chlordane	ND		ug/l	0.020	0.007	A
trans-Chlordane	ND		ug/l	0.020	0.006	A
Chlordane	ND		ug/l	0.200	0.046	A

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 02/14/15 01:57
Analyst: JW

Extraction Method: EPA 3510C
Extraction Date: 02/12/15 16:00
Cleanup Method: EPA 3620B
Cleanup Date: 02/13/15

Parameter	Result	Qualifier	Units	RL	MDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 05 Batch: WG762355-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	88		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 905 ELMWOOD AVE.

Project Number: 0136-014-002

Lab Number: L1502543

Report Date: 02/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG762043-2 WG762043-3									
2,4-D	90		90		30-150	0		25	A
2,4,5-T	99		83		30-150	18		25	A
2,4,5-TP (Silvex)	93		85		30-150	9		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	75		75		30-150	A
DCAA	69		59		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG762195-2 WG762195-3									
Delta-BHC	82		81		30-150	2		20	A
Lindane	96		96		30-150	0		20	A
Alpha-BHC	105		104		30-150	1		20	A
Beta-BHC	102		103		30-150	1		20	A
Heptachlor	98		99		30-150	1		20	A
Aldrin	89		89		30-150	0		20	A
Heptachlor epoxide	90		89		30-150	0		20	A
Endrin	103		104		30-150	1		20	A
Endrin aldehyde	69		72		30-150	3		20	A
Endrin ketone	95		96		30-150	1		20	A
Dieldrin	95		97		30-150	2		20	A
4,4'-DDE	87		88		30-150	1		20	A
4,4'-DDD	95		96		30-150	1		20	A
4,4'-DDT	99		102		30-150	3		20	A
Endosulfan I	87		89		30-150	2		20	A
Endosulfan II	87		86		30-150	1		20	A
Endosulfan sulfate	92		93		30-150	2		20	A
Methoxychlor	115		120		30-150	4		20	A
cis-Chlordane	92		93		30-150	1		20	A
trans-Chlordane	106		114		30-150	7		20	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG762195-2 WG762195-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		62		30-150	A
Decachlorobiphenyl	66		65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		72		30-150	B
Decachlorobiphenyl	80		78		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 05 Batch: WG762355-2 WG762355-3									
Delta-BHC	75		93		30-150	**21**	Q	20	A
Lindane	97		119		30-150	20		20	A
Alpha-BHC	108		131		30-150	19		20	A
Beta-BHC	101		123		30-150	20		20	A
Heptachlor	96		108		30-150	12		20	A
Aldrin	92		102		30-150	11		20	A
Heptachlor epoxide	94		115		30-150	20		20	A
Endrin	99		121		30-150	20		20	A
Endrin aldehyde	64		81		30-150	**23**	Q	20	A
Endrin ketone	92		118		30-150	**24**	Q	20	A
Dieldrin	99		123		30-150	**21**	Q	20	A
4,4'-DDE	93		114		30-150	**21**	Q	20	A
4,4'-DDD	99		124		30-150	**22**	Q	20	A
4,4'-DDT	103		129		30-150	**22**	Q	20	A
Endosulfan I	91		112		30-150	**21**	Q	20	A
Endosulfan II	86		107		30-150	**22**	Q	20	A
Endosulfan sulfate	83		104		30-150	**22**	Q	20	A
Methoxychlor	113		146		30-150	**25**	Q	20	A
cis-Chlordane	93		113		30-150	20		20	A
trans-Chlordane	105		125		30-150	17		20	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 05 Batch: WG762355-2 WG762355-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		76		30-150	A
Decachlorobiphenyl	48		90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		85		30-150	B
Decachlorobiphenyl	55		97		30-150	B

Matrix Spike Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1502543
Report Date: 02/17/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG762043-4 WG762043-5 QC Sample: L1502543-02 Client ID: TMW-2													
2,4-D	ND	10	9.26J	93		8.52J	85		30-150	8		25	A
2,4,5-T	ND	10	9.69	97		8.51	85		30-150	13		25	A
2,4,5-TP (Silvex)	ND	10	9.81	98		8.72	87		30-150	12		25	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
DCAA	79		81		30-150	A
DCAA	81		79		30-150	B

Matrix Spike Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1502543
Report Date: 02/17/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG762195-4 WG762195-5 QC Sample: L1502543-02 Client ID: TMW-2													
Delta-BHC	ND	0.5	0.470	94		0.450	90		30-150	4		30	A
Lindane	ND	0.5	0.548	110		0.518	104		30-150	6		30	A
Alpha-BHC	ND	0.5	0.584	117		0.576	115		30-150	1		30	A
Beta-BHC	ND	0.5	0.546	109		0.516	103		30-150	6		30	A
Heptachlor	ND	0.5	0.528	98		0.508	94		30-150	4		30	A
Aldrin	ND	0.5	0.467	93		0.466	93		30-150	0		30	A
Heptachlor epoxide	ND	0.5	0.477	95		0.478	96		30-150	0		30	A
Endrin	ND	0.5	0.596	119		0.572	114		30-150	4		30	A
Endrin aldehyde	ND	0.5	0.405	81		0.388	78		30-150	4		30	A
Endrin ketone	ND	0.5	0.569	114		0.549	110		30-150	4		30	A
Dieldrin	ND	0.5	0.521	104		0.514	103		30-150	1		30	A
4,4'-DDE	ND	0.5	0.464	93		0.463	93		30-150	0		30	A
4,4'-DDD	0.012J	0.5	0.530	106		0.523	105		30-150	1		30	A
4,4'-DDT	ND	0.5	0.551	110		0.544	109		30-150	1		30	A
Endosulfan I	ND	0.5	0.478	96		0.469	94		30-150	2		30	A
Endosulfan II	ND	0.5	0.493	99		0.484	97		30-150	2		30	A
Endosulfan sulfate	ND	0.5	0.540	108		0.512	102		30-150	5		30	A
Methoxychlor	ND	0.5	0.669	134		0.649	130		30-150	3		30	A
cis-Chlordane	0.023	0.5	0.489	93		0.483	92		30-150	1		30	A
trans-Chlordane	0.096	0.5	0.627	106		0.560	93		30-150	11		30	A

Matrix Spike Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1502543
Report Date: 02/17/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG762195-4 WG762195-5 QC Sample: L1502543-02 Client ID: TMW-2												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		73		30-150	A
Decachlorobiphenyl	57		54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		77		30-150	B
Decachlorobiphenyl	59		67		30-150	B

METALS

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1502543
Report Date: 02/17/15

SAMPLE RESULTS

Lab ID: L1502543-01
Client ID: TMW-1
Sample Location: BUFFALO, NY
Matrix: Water

Date Collected: 02/09/15 14:23
Date Received: 02/10/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	13.0		mg/l	2.00	0.338	200	02/12/15 10:13	02/14/15 09:29	EPA 3005A	1,6020A	KL
Antimony, Total	0.00057	J	mg/l	0.00300	0.00006	1	02/12/15 10:13	02/13/15 16:55	EPA 3005A	1,6020A	KL
Arsenic, Total	0.00762		mg/l	0.00050	0.00012	1	02/12/15 10:13	02/13/15 16:55	EPA 3005A	1,6020A	KL
Barium, Total	0.3046		mg/l	0.00050	0.00006	1	02/12/15 10:13	02/13/15 16:55	EPA 3005A	1,6020A	KL
Beryllium, Total	0.00061		mg/l	0.00050	0.00015	1	02/12/15 10:13	02/13/15 16:55	EPA 3005A	1,6020A	KL
Cadmium, Total	0.00033		mg/l	0.00020	0.00005	1	02/12/15 10:13	02/13/15 16:55	EPA 3005A	1,6020A	KL
Calcium, Total	211.		mg/l	2.00	0.640	20	02/12/15 10:13	02/13/15 16:51	EPA 3005A	1,6020A	KL
Chromium, Total	0.02225		mg/l	0.00100	0.00025	1	02/12/15 10:13	02/13/15 16:55	EPA 3005A	1,6020A	KL
Cobalt, Total	0.01112		mg/l	0.00020	0.00006	1	02/12/15 10:13	02/13/15 16:55	EPA 3005A	1,6020A	KL
Copper, Total	0.03011		mg/l	0.00100	0.00026	1	02/12/15 10:13	02/13/15 16:55	EPA 3005A	1,6020A	KL
Iron, Total	20.1		mg/l	0.0500	0.0120	1	02/12/15 10:13	02/13/15 16:55	EPA 3005A	1,6020A	KL
Lead, Total	0.02821		mg/l	0.00100	0.00012	1	02/12/15 10:13	02/13/15 16:55	EPA 3005A	1,6020A	KL
Magnesium, Total	102.		mg/l	1.40	0.446	20	02/12/15 10:13	02/13/15 16:51	EPA 3005A	1,6020A	KL
Manganese, Total	0.8252		mg/l	0.02000	0.00604	20	02/12/15 10:13	02/13/15 16:51	EPA 3005A	1,6020A	KL
Mercury, Total	ND		mg/l	0.00020	0.00006	1	02/12/15 10:24	02/12/15 13:14	EPA 7470A	1,7470A	AB
Nickel, Total	0.02448		mg/l	0.00050	0.00008	1	02/12/15 10:13	02/13/15 16:55	EPA 3005A	1,6020A	KL
Potassium, Total	5.55		mg/l	0.100	0.0193	1	02/12/15 10:13	02/13/15 16:55	EPA 3005A	1,6020A	KL
Selenium, Total	0.00214	J	mg/l	0.00500	0.00100	1	02/12/15 10:13	02/13/15 16:55	EPA 3005A	1,6020A	KL
Silver, Total	0.00018	J	mg/l	0.00040	0.00007	1	02/12/15 10:13	02/13/15 16:55	EPA 3005A	1,6020A	KL
Sodium, Total	160.		mg/l	3.00	0.322	20	02/12/15 10:13	02/13/15 16:51	EPA 3005A	1,6020A	KL
Thallium, Total	0.00020	J	mg/l	0.00050	0.00005	1	02/12/15 10:13	02/13/15 16:55	EPA 3005A	1,6020A	KL
Vanadium, Total	0.02351		mg/l	0.00500	0.00055	1	02/12/15 10:13	02/13/15 16:55	EPA 3005A	1,6020A	KL
Zinc, Total	0.1549		mg/l	0.01000	0.00256	1	02/12/15 10:13	02/13/15 16:55	EPA 3005A	1,6020A	KL

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1502543
Report Date: 02/17/15

SAMPLE RESULTS

Lab ID: L1502543-02
Client ID: TMW-2
Sample Location: BUFFALO, NY
Matrix: Water

Date Collected: 02/09/15 12:48
Date Received: 02/10/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	2.63		mg/l	0.200	0.0338	20	02/12/15 10:13	02/13/15 14:37	EPA 3005A	1,6020A	KL
Antimony, Total	0.00174		mg/l	0.00050	0.00006	1	02/12/15 10:13	02/13/15 14:41	EPA 3005A	1,6020A	KL
Arsenic, Total	0.00264	J	mg/l	0.00300	0.00012	1	02/12/15 10:13	02/13/15 14:41	EPA 3005A	1,6020A	KL
Barium, Total	0.07047		mg/l	0.00050	0.00006	1	02/12/15 10:13	02/13/15 14:41	EPA 3005A	1,6020A	KL
Beryllium, Total	ND		mg/l	0.00050	0.00015	1	02/12/15 10:13	02/13/15 14:41	EPA 3005A	1,6020A	KL
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	02/12/15 10:13	02/13/15 14:41	EPA 3005A	1,6020A	KL
Calcium, Total	88.9		mg/l	2.00	0.640	20	02/12/15 10:13	02/13/15 14:37	EPA 3005A	1,6020A	KL
Chromium, Total	0.00492		mg/l	0.00100	0.00025	1	02/12/15 10:13	02/13/15 14:41	EPA 3005A	1,6020A	KL
Cobalt, Total	0.00334		mg/l	0.00020	0.00006	1	02/12/15 10:13	02/13/15 14:41	EPA 3005A	1,6020A	KL
Copper, Total	0.00713		mg/l	0.00100	0.00026	1	02/12/15 10:13	02/13/15 14:41	EPA 3005A	1,6020A	KL
Iron, Total	4.59		mg/l	0.0500	0.0120	1	02/12/15 10:13	02/13/15 14:41	EPA 3005A	1,6020A	KL
Lead, Total	0.00538		mg/l	0.00100	0.00012	1	02/12/15 10:13	02/13/15 14:41	EPA 3005A	1,6020A	KL
Magnesium, Total	43.4		mg/l	0.0700	0.0223	1	02/12/15 10:13	02/13/15 14:41	EPA 3005A	1,6020A	KL
Manganese, Total	0.2483		mg/l	0.00100	0.00030	1	02/12/15 10:13	02/13/15 14:41	EPA 3005A	1,6020A	KL
Mercury, Total	ND		mg/l	0.00020	0.00006	1	02/12/15 10:24	02/12/15 13:02	EPA 7470A	1,7470A	AB
Nickel, Total	0.00683		mg/l	0.00050	0.00008	1	02/12/15 10:13	02/13/15 14:41	EPA 3005A	1,6020A	KL
Potassium, Total	2.25		mg/l	0.100	0.0193	1	02/12/15 10:13	02/13/15 14:41	EPA 3005A	1,6020A	KL
Selenium, Total	ND		mg/l	0.00500	0.00100	1	02/12/15 10:13	02/13/15 14:41	EPA 3005A	1,6020A	KL
Silver, Total	ND		mg/l	0.00040	0.00007	1	02/12/15 10:13	02/13/15 14:41	EPA 3005A	1,6020A	KL
Sodium, Total	17.1		mg/l	0.150	0.0161	1	02/12/15 10:13	02/13/15 14:41	EPA 3005A	1,6020A	KL
Thallium, Total	0.00006	J	mg/l	0.00050	0.00005	1	02/12/15 10:13	02/13/15 14:41	EPA 3005A	1,6020A	KL
Vanadium, Total	0.00549		mg/l	0.00500	0.00055	1	02/12/15 10:13	02/13/15 14:41	EPA 3005A	1,6020A	KL
Zinc, Total	0.03959		mg/l	0.01000	0.00256	1	02/12/15 10:13	02/13/15 14:41	EPA 3005A	1,6020A	KL

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1502543
Report Date: 02/17/15

SAMPLE RESULTS

Lab ID: L1502543-03
Client ID: TMW-3
Sample Location: BUFFALO, NY
Matrix: Water

Date Collected: 02/09/15 14:00
Date Received: 02/10/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3.54		mg/l	0.200	0.0338	20	02/12/15 10:13	02/13/15 16:58	EPA 3005A	1,6020A	KL
Antimony, Total	0.00034	J	mg/l	0.00300	0.00006	1	02/12/15 10:13	02/13/15 17:02	EPA 3005A	1,6020A	KL
Arsenic, Total	0.00288		mg/l	0.00050	0.00012	1	02/12/15 10:13	02/13/15 17:02	EPA 3005A	1,6020A	KL
Barium, Total	0.08966		mg/l	0.00050	0.00006	1	02/12/15 10:13	02/13/15 17:02	EPA 3005A	1,6020A	KL
Beryllium, Total	0.00017	J	mg/l	0.00050	0.00015	1	02/12/15 10:13	02/13/15 17:02	EPA 3005A	1,6020A	KL
Cadmium, Total	0.00012	J	mg/l	0.00020	0.00005	1	02/12/15 10:13	02/13/15 17:02	EPA 3005A	1,6020A	KL
Calcium, Total	129.		mg/l	2.00	0.640	20	02/12/15 10:13	02/13/15 16:58	EPA 3005A	1,6020A	KL
Chromium, Total	0.00600		mg/l	0.00100	0.00025	1	02/12/15 10:13	02/13/15 17:02	EPA 3005A	1,6020A	KL
Cobalt, Total	0.00504		mg/l	0.00020	0.00006	1	02/12/15 10:13	02/13/15 17:02	EPA 3005A	1,6020A	KL
Copper, Total	0.00874		mg/l	0.00100	0.00026	1	02/12/15 10:13	02/13/15 17:02	EPA 3005A	1,6020A	KL
Iron, Total	6.22		mg/l	0.0500	0.0120	1	02/12/15 10:13	02/13/15 17:02	EPA 3005A	1,6020A	KL
Lead, Total	0.00840		mg/l	0.00100	0.00012	1	02/12/15 10:13	02/13/15 17:02	EPA 3005A	1,6020A	KL
Magnesium, Total	48.1		mg/l	0.0700	0.0223	1	02/12/15 10:13	02/13/15 17:02	EPA 3005A	1,6020A	KL
Manganese, Total	0.2604		mg/l	0.00100	0.00030	1	02/12/15 10:13	02/13/15 17:02	EPA 3005A	1,6020A	KL
Mercury, Total	ND		mg/l	0.00020	0.00006	1	02/12/15 10:24	02/12/15 13:16	EPA 7470A	1,7470A	AB
Nickel, Total	0.01217		mg/l	0.00050	0.00008	1	02/12/15 10:13	02/13/15 17:02	EPA 3005A	1,6020A	KL
Potassium, Total	2.58		mg/l	0.100	0.0193	1	02/12/15 10:13	02/13/15 17:02	EPA 3005A	1,6020A	KL
Selenium, Total	0.00291	J	mg/l	0.00500	0.00100	1	02/12/15 10:13	02/13/15 17:02	EPA 3005A	1,6020A	KL
Silver, Total	ND		mg/l	0.00040	0.00007	1	02/12/15 10:13	02/13/15 17:02	EPA 3005A	1,6020A	KL
Sodium, Total	38.4		mg/l	0.150	0.0161	1	02/12/15 10:13	02/13/15 17:02	EPA 3005A	1,6020A	KL
Thallium, Total	0.00006	J	mg/l	0.00050	0.00005	1	02/12/15 10:13	02/13/15 17:02	EPA 3005A	1,6020A	KL
Vanadium, Total	0.00802		mg/l	0.00500	0.00055	1	02/12/15 10:13	02/13/15 17:02	EPA 3005A	1,6020A	KL
Zinc, Total	0.05011		mg/l	0.01000	0.00256	1	02/12/15 10:13	02/13/15 17:02	EPA 3005A	1,6020A	KL

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1502543
Report Date: 02/17/15

SAMPLE RESULTS

Lab ID: L1502543-04
Client ID: BLIND DUP
Sample Location: BUFFALO, NY
Matrix: Water

Date Collected: 02/09/15 12:00
Date Received: 02/10/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4.19		mg/l	0.200	0.0338	20	02/12/15 10:13	02/13/15 17:05	EPA 3005A	1,6020A	KL
Antimony, Total	0.00036	J	mg/l	0.00300	0.00006	1	02/12/15 10:13	02/13/15 17:09	EPA 3005A	1,6020A	KL
Arsenic, Total	0.00326		mg/l	0.00050	0.00012	1	02/12/15 10:13	02/13/15 17:09	EPA 3005A	1,6020A	KL
Barium, Total	0.1066		mg/l	0.00050	0.00006	1	02/12/15 10:13	02/13/15 17:09	EPA 3005A	1,6020A	KL
Beryllium, Total	0.00019	J	mg/l	0.00050	0.00015	1	02/12/15 10:13	02/13/15 17:09	EPA 3005A	1,6020A	KL
Cadmium, Total	0.00016	J	mg/l	0.00020	0.00005	1	02/12/15 10:13	02/13/15 17:09	EPA 3005A	1,6020A	KL
Calcium, Total	138.		mg/l	2.00	0.640	20	02/12/15 10:13	02/13/15 17:05	EPA 3005A	1,6020A	KL
Chromium, Total	0.00668		mg/l	0.00100	0.00025	1	02/12/15 10:13	02/13/15 17:09	EPA 3005A	1,6020A	KL
Cobalt, Total	0.00544		mg/l	0.00020	0.00006	1	02/12/15 10:13	02/13/15 17:09	EPA 3005A	1,6020A	KL
Copper, Total	0.01080		mg/l	0.00100	0.00026	1	02/12/15 10:13	02/13/15 17:09	EPA 3005A	1,6020A	KL
Iron, Total	7.18		mg/l	0.0500	0.0120	1	02/12/15 10:13	02/13/15 17:09	EPA 3005A	1,6020A	KL
Lead, Total	0.01018		mg/l	0.00100	0.00012	1	02/12/15 10:13	02/13/15 17:09	EPA 3005A	1,6020A	KL
Magnesium, Total	56.3		mg/l	1.40	0.446	20	02/12/15 10:13	02/13/15 17:05	EPA 3005A	1,6020A	KL
Manganese, Total	0.3037		mg/l	0.00100	0.00030	1	02/12/15 10:13	02/13/15 17:09	EPA 3005A	1,6020A	KL
Mercury, Total	ND		mg/l	0.00020	0.00006	1	02/12/15 10:24	02/12/15 13:18	EPA 7470A	1,7470A	AB
Nickel, Total	0.01368		mg/l	0.00050	0.00008	1	02/12/15 10:13	02/13/15 17:09	EPA 3005A	1,6020A	KL
Potassium, Total	3.82		mg/l	0.100	0.0193	1	02/12/15 10:13	02/13/15 17:09	EPA 3005A	1,6020A	KL
Selenium, Total	0.00322	J	mg/l	0.00500	0.00100	1	02/12/15 10:13	02/13/15 17:09	EPA 3005A	1,6020A	KL
Silver, Total	ND		mg/l	0.00040	0.00007	1	02/12/15 10:13	02/13/15 17:09	EPA 3005A	1,6020A	KL
Sodium, Total	43.3		mg/l	0.150	0.0161	1	02/12/15 10:13	02/13/15 17:09	EPA 3005A	1,6020A	KL
Thallium, Total	0.00008	J	mg/l	0.00050	0.00005	1	02/12/15 10:13	02/13/15 17:09	EPA 3005A	1,6020A	KL
Vanadium, Total	0.00879		mg/l	0.00500	0.00055	1	02/12/15 10:13	02/13/15 17:09	EPA 3005A	1,6020A	KL
Zinc, Total	0.05480		mg/l	0.01000	0.00256	1	02/12/15 10:13	02/13/15 17:09	EPA 3005A	1,6020A	KL

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1502543
Report Date: 02/17/15

SAMPLE RESULTS

Lab ID: L1502543-05
Client ID: TMW-4
Sample Location: BUFFALO, NY
Matrix: Water

Date Collected: 02/09/15 15:13
Date Received: 02/10/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	1.23		mg/l	0.200	0.0338	20	02/12/15 10:13	02/13/15 17:13	EPA 3005A	1,6020A	KL
Antimony, Total	0.00073	J	mg/l	0.00300	0.00006	1	02/12/15 10:13	02/13/15 17:16	EPA 3005A	1,6020A	KL
Arsenic, Total	0.00206		mg/l	0.00050	0.00012	1	02/12/15 10:13	02/13/15 17:16	EPA 3005A	1,6020A	KL
Barium, Total	0.04029		mg/l	0.00050	0.00006	1	02/12/15 10:13	02/13/15 17:16	EPA 3005A	1,6020A	KL
Beryllium, Total	ND		mg/l	0.00050	0.00015	1	02/12/15 10:13	02/13/15 17:16	EPA 3005A	1,6020A	KL
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	02/12/15 10:13	02/13/15 17:16	EPA 3005A	1,6020A	KL
Calcium, Total	82.5		mg/l	2.00	0.640	20	02/12/15 10:13	02/13/15 17:13	EPA 3005A	1,6020A	KL
Chromium, Total	0.00253		mg/l	0.00100	0.00025	1	02/12/15 10:13	02/13/15 17:16	EPA 3005A	1,6020A	KL
Cobalt, Total	0.00635		mg/l	0.00020	0.00006	1	02/12/15 10:13	02/13/15 17:16	EPA 3005A	1,6020A	KL
Copper, Total	0.00336		mg/l	0.00100	0.00026	1	02/12/15 10:13	02/13/15 17:16	EPA 3005A	1,6020A	KL
Iron, Total	1.87		mg/l	0.0500	0.0120	1	02/12/15 10:13	02/13/15 17:16	EPA 3005A	1,6020A	KL
Lead, Total	0.00230		mg/l	0.00100	0.00012	1	02/12/15 10:13	02/13/15 17:16	EPA 3005A	1,6020A	KL
Magnesium, Total	44.4		mg/l	0.0700	0.0223	1	02/12/15 10:13	02/13/15 17:16	EPA 3005A	1,6020A	KL
Manganese, Total	0.4111		mg/l	0.00100	0.00030	1	02/12/15 10:13	02/13/15 17:16	EPA 3005A	1,6020A	KL
Mercury, Total	ND		mg/l	0.00020	0.00006	1	02/12/15 10:24	02/12/15 13:20	EPA 7470A	1,7470A	AB
Nickel, Total	0.00995		mg/l	0.00050	0.00008	1	02/12/15 10:13	02/13/15 17:16	EPA 3005A	1,6020A	KL
Potassium, Total	2.61		mg/l	0.100	0.0193	1	02/12/15 10:13	02/13/15 17:16	EPA 3005A	1,6020A	KL
Selenium, Total	ND		mg/l	0.00500	0.00100	1	02/12/15 10:13	02/13/15 17:16	EPA 3005A	1,6020A	KL
Silver, Total	ND		mg/l	0.00040	0.00007	1	02/12/15 10:13	02/13/15 17:16	EPA 3005A	1,6020A	KL
Sodium, Total	41.9		mg/l	0.150	0.0161	1	02/12/15 10:13	02/13/15 17:16	EPA 3005A	1,6020A	KL
Thallium, Total	ND		mg/l	0.00050	0.00005	1	02/12/15 10:13	02/13/15 17:16	EPA 3005A	1,6020A	KL
Vanadium, Total	0.00307	J	mg/l	0.00500	0.00055	1	02/12/15 10:13	02/13/15 17:16	EPA 3005A	1,6020A	KL
Zinc, Total	0.01964		mg/l	0.01000	0.00256	1	02/12/15 10:13	02/13/15 17:16	EPA 3005A	1,6020A	KL

Project Name: 905 ELMWOOD AVE. **Lab Number:** L1502543

Project Number: 0136-014-002 **Report Date:** 02/17/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-05 Batch: WG762221-1										
Aluminum, Total	0.00258	J	mg/l	0.0100	0.00169	1	02/12/15 10:13	02/13/15 14:08	1,6020A	KL
Antimony, Total	ND		mg/l	0.00300	0.00006	1	02/12/15 10:13	02/13/15 14:08	1,6020A	KL
Arsenic, Total	ND		mg/l	0.00050	0.00012	1	02/12/15 10:13	02/13/15 14:08	1,6020A	KL
Barium, Total	ND		mg/l	0.00050	0.00006	1	02/12/15 10:13	02/13/15 14:08	1,6020A	KL
Beryllium, Total	ND		mg/l	0.00050	0.00015	1	02/12/15 10:13	02/13/15 14:08	1,6020A	KL
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	02/12/15 10:13	02/13/15 14:08	1,6020A	KL
Calcium, Total	ND		mg/l	0.100	0.0320	1	02/12/15 10:13	02/13/15 14:08	1,6020A	KL
Chromium, Total	ND		mg/l	0.00100	0.00025	1	02/12/15 10:13	02/13/15 14:08	1,6020A	KL
Cobalt, Total	ND		mg/l	0.00020	0.00006	1	02/12/15 10:13	02/13/15 14:08	1,6020A	KL
Copper, Total	ND		mg/l	0.00100	0.00026	1	02/12/15 10:13	02/13/15 14:08	1,6020A	KL
Iron, Total	ND		mg/l	0.0500	0.0120	1	02/12/15 10:13	02/13/15 14:08	1,6020A	KL
Lead, Total	ND		mg/l	0.00050	0.00012	1	02/12/15 10:13	02/13/15 14:08	1,6020A	KL
Magnesium, Total	ND		mg/l	0.0700	0.0223	1	02/12/15 10:13	02/13/15 14:08	1,6020A	KL
Manganese, Total	ND		mg/l	0.00100	0.00030	1	02/12/15 10:13	02/13/15 14:08	1,6020A	KL
Nickel, Total	ND		mg/l	0.00050	0.00008	1	02/12/15 10:13	02/13/15 14:08	1,6020A	KL
Potassium, Total	0.0213	J	mg/l	0.150	0.0193	1	02/12/15 10:13	02/13/15 14:08	1,6020A	KL
Selenium, Total	ND		mg/l	0.00500	0.00100	1	02/12/15 10:13	02/13/15 14:08	1,6020A	KL
Silver, Total	ND		mg/l	0.00025	0.00007	1	02/12/15 10:13	02/13/15 14:08	1,6020A	KL
Sodium, Total	0.121		mg/l	0.100	0.0161	1	02/12/15 10:13	02/13/15 14:08	1,6020A	KL
Thallium, Total	ND		mg/l	0.00020	0.00005	1	02/12/15 10:13	02/13/15 14:08	1,6020A	KL
Vanadium, Total	ND		mg/l	0.00500	0.00055	1	02/12/15 10:13	02/13/15 14:08	1,6020A	KL
Zinc, Total	0.00330	J	mg/l	0.01000	0.00256	1	02/12/15 10:13	02/13/15 14:08	1,6020A	KL

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-05 Batch: WG762228-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	02/12/15 10:24	02/12/15 12:58	1,7470A	AB

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-05 Batch: WG762221-2								
Aluminum, Total	101		-		80-120	-		
Antimony, Total	102		-		80-120	-		
Arsenic, Total	105		-		80-120	-		
Barium, Total	100		-		80-120	-		
Beryllium, Total	104		-		80-120	-		
Cadmium, Total	97		-		80-120	-		
Calcium, Total	93		-		80-120	-		
Chromium, Total	102		-		80-120	-		
Cobalt, Total	109		-		80-120	-		
Copper, Total	107		-		80-120	-		
Iron, Total	111		-		80-120	-		
Lead, Total	104		-		80-120	-		
Magnesium, Total	104		-		80-120	-		
Manganese, Total	101		-		80-120	-		
Nickel, Total	106		-		80-120	-		
Potassium, Total	99		-		80-120	-		
Selenium, Total	109		-		80-120	-		
Silver, Total	99		-		80-120	-		
Sodium, Total	101		-		80-120	-		
Thallium, Total	103		-		80-120	-		
Vanadium, Total	104		-		80-120	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

Parameter	LCS %Recovery		LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-05 Batch: WG762221-2						
Zinc, Total	110		-	80-120	-	
Total Metals - Westborough Lab Associated sample(s): 01-05 Batch: WG762228-2						
Mercury, Total	**126**	Q	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG762221-3 WG762221-4 QC Sample: L1502543-02 Client ID: TMW-2												
Aluminum, Total	2.63	2	4.46	92		4.46	92		75-125	0		20
Antimony, Total	0.00174	0.5	0.4812	96		0.4710	94		75-125	2		20
Arsenic, Total	0.00264J	0.12	0.1262	105		0.1260	105		75-125	0		20
Barium, Total	0.07047	2	2.124	103		2.066	100		75-125	3		20
Beryllium, Total	ND	0.05	0.05012	100		0.05094	102		75-125	2		20
Cadmium, Total	ND	0.051	0.05758	113		0.05276	103		75-125	9		20
Calcium, Total	88.9	10	91.7	**28**	Q	94.2	**53**	Q	75-125	3		20
Chromium, Total	0.00492	0.2	0.2202	108		0.2064	101		75-125	6		20
Cobalt, Total	0.00334	0.5	0.5676	113		0.5152	102		75-125	10		20
Copper, Total	0.00713	0.25	0.2948	115		0.2616	102		75-125	12		20
Iron, Total	4.59	1	5.38	79		4.83	**24**	Q	75-125	11		20
Lead, Total	0.00538	0.51	0.5426	105		0.5268	102		75-125	3		20
Magnesium, Total	43.4	10	53.5	101		54.2	108		75-125	1		20
Manganese, Total	0.2483	0.5	0.7538	101		0.7446	99		75-125	1		20
Nickel, Total	0.00683	0.5	0.5540	109		0.5166	102		75-125	7		20
Potassium, Total	2.25	10	8.02	**58**	Q	6.84	**46**	Q	75-125	16		20
Selenium, Total	ND	0.12	0.134	112		0.132	110		75-125	2		20
Silver, Total	ND	0.05	0.05376	108		0.05024	100		75-125	7		20
Sodium, Total	17.1	10	12.4	**0**	Q	12.4	**0**	Q	75-125	0		20
Thallium, Total	0.00006J	0.12	0.1206	100		0.1171	98		75-125	3		20
Vanadium, Total	0.00549	0.5	0.5566	110		0.4922	97		75-125	12		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG762221-3 WG762221-4 QC Sample: L1502543-02 Client ID: TMW-2									
Zinc, Total	0.03959	0.5	0.5758	107	0.5740	107	75-125	0	20
Total Metals - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG762228-3 WG762228-4 QC Sample: L1502543-02 Client ID: TMW-2									
Mercury, Total	ND	0.005	0.00570	114	0.00575	115	75-125	1	20

INORGANICS
&
MISCELLANEOUS

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

SAMPLE RESULTS

Lab ID: L1502543-01
Client ID: TMW-1
Sample Location: BUFFALO, NY
Matrix: Water

Date Collected: 02/09/15 14:23
Date Received: 02/10/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	0.002	J	mg/l	0.005	0.001	1	02/11/15 15:26	02/12/15 10:30	1,9010C/9012B	ML

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

SAMPLE RESULTS

Lab ID: L1502543-02
Client ID: TMW-2
Sample Location: BUFFALO, NY
Matrix: Water

Date Collected: 02/09/15 12:48
Date Received: 02/10/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	02/11/15 15:26	02/12/15 10:31	1,9010C/9012B	ML

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

SAMPLE RESULTS

Lab ID: L1502543-03
Client ID: TMW-3
Sample Location: BUFFALO, NY
Matrix: Water

Date Collected: 02/09/15 14:00
Date Received: 02/10/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	0.002	J	mg/l	0.005	0.001	1	02/11/15 15:26	02/12/15 10:33	1,9010C/9012B	ML

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

SAMPLE RESULTS

Lab ID: L1502543-04
Client ID: BLIND DUP
Sample Location: BUFFALO, NY
Matrix: Water

Date Collected: 02/09/15 12:00
Date Received: 02/10/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	02/11/15 15:26	02/12/15 10:34	1,9010C/9012B	ML

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

SAMPLE RESULTS

Lab ID: L1502543-05
Client ID: TMW-4
Sample Location: BUFFALO, NY
Matrix: Water

Date Collected: 02/09/15 15:13
Date Received: 02/10/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	02/11/15 15:26	02/12/15 10:36	1,9010C/9012B	ML

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002
Lab Number: L1502543
Report Date: 02/17/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-05 Batch: WG761946-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	02/11/15 15:26	02/12/15 10:27	1,9010C/9012B	ML

Lab Control Sample Analysis

Batch Quality Control

Project Name: 905 ELMWOOD AVE.

Project Number: 0136-014-002

Lab Number: L1502543

Report Date: 02/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-05 Batch: WG761946-2 WG761946-3								
Cyanide, Total	103		105		80-120	2		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG761946-4 WG761946-5 QC Sample: L1502543-02 Client ID: TMW-2												
Cyanide, Total	ND	0.2	0.205	102		0.204	102		80-120	0		20

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent
D	Absent
B	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1502543-01A	Vial HCl preserved	C	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1502543-01B	Vial HCl preserved	C	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1502543-01C	Vial HCl preserved	C	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1502543-01D	Plastic 250ml HNO3 preserved	C	<2	2.8	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1502543-01E	Amber 1000ml unpreserved	A	7	3.6	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1502543-01F	Amber 500ml unpreserved	A	7	3.6	Y	Absent	NYTCL-8081(7)
L1502543-01G	Amber 1000ml unpreserved	A	7	3.6	Y	Absent	HERB-APA(7)
L1502543-01H	Amber 1000ml unpreserved	A	7	3.6	Y	Absent	NYTCL-8082-1200ML(7)
L1502543-01X	Plastic 250ml NaOH preserved spl	A	>12	3.6	Y	Absent	TCN-9010(14)
L1502543-02A	Vial HCl preserved	C	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1502543-02A1	Vial HCl preserved	C	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1502543-02A2	Vial HCl preserved	C	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1502543-02B	Vial HCl preserved	C	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1502543-02B1	Vial HCl preserved	C	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1502543-02B2	Vial HCl preserved	C	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1502543-02C	Vial HCl preserved	C	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1502543-02C1	Vial HCl preserved	C	N/A	2.8	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1502543-02D	Plastic 250ml HNO3 preserved	C	<2	2.8	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1502543-02D1	Plastic 250ml HNO3 preserved	C	<2	2.8	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1502543-02D2	Plastic 250ml HNO3 preserved	C	<2	2.8	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1502543-02E	Amber 1000ml unpreserved	D	7	3.4	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1502543-02E1	Amber 1000ml unpreserved	D	7	3.4	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1502543-02E2	Amber 1000ml unpreserved	A	7	3.6	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1502543-02F	Amber 500ml unpreserved	B	7	3.1	Y	Absent	NYTCL-8081(7)
L1502543-02F1	Amber 500ml unpreserved	B	7	3.1	Y	Absent	NYTCL-8081(7)
L1502543-02F2	Amber 500ml unpreserved	D	7	3.4	Y	Absent	NYTCL-8081(7)
L1502543-02G	Amber 1000ml unpreserved	B	7	3.1	Y	Absent	HERB-APA(7)
L1502543-02G1	Amber 1000ml unpreserved	B	7	3.1	Y	Absent	HERB-APA(7)
L1502543-02G2	Amber 1000ml unpreserved	A	7	3.6	Y	Absent	HERB-APA(7)
L1502543-02H	Amber 1000ml unpreserved	B	7	3.1	Y	Absent	NYTCL-8082-1200ML(7)
L1502543-02H1	Amber 1000ml unpreserved	B	7	3.1	Y	Absent	NYTCL-8082-1200ML(7)
L1502543-02H2	Amber 1000ml unpreserved	A	7	3.6	Y	Absent	NYTCL-8082-1200ML(7)
L1502543-02I	Amber 1000ml unpreserved	B	7	3.1	Y	Absent	NYTCL-8082-1200ML(7)

*Values in parentheses indicate holding time in days

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1502543-02I1	Amber 1000ml unpreserved	D	7	3.4	Y	Absent	NYTCL-8082-1200ML(7)
L1502543-02I2	Amber 1000ml unpreserved	A	7	3.6	Y	Absent	NYTCL-8082-1200ML(7)
L1502543-02J	Amber 500ml unpreserved	B	7	3.1	Y	Absent	NYTCL-8081(7)
L1502543-02J1	Amber 500ml unpreserved	D	7	3.4	Y	Absent	NYTCL-8081(7)
L1502543-02J2	Amber 500ml unpreserved	A	7	3.6	Y	Absent	NYTCL-8081(7)
L1502543-02K	Amber 1000ml unpreserved	B	7	3.1	Y	Absent	HERB-APA(7)
L1502543-02K1	Amber 1000ml unpreserved	D	7	3.4	Y	Absent	HERB-APA(7)
L1502543-02K2	Amber 1000ml unpreserved	A	7	3.6	Y	Absent	HERB-APA(7)
L1502543-02L	Amber 1000ml unpreserved	B	7	3.1	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1502543-02L1	Amber 1000ml unpreserved	D	7	3.4	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1502543-02L2	Amber 1000ml unpreserved	A	7	3.6	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1502543-02X	Plastic 250ml NaOH preserved spl	D	>12	3.4	Y	Absent	TCN-9010(14)
L1502543-02X1	Plastic 250ml NaOH preserved spl	D	>12	3.4	Y	Absent	TCN-9010(14)
L1502543-02X2	Plastic 250ml NaOH preserved spl	D	>12	3.4	Y	Absent	TCN-9010(14)
L1502543-03A	Vial HCl preserved	C	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1502543-03B	Vial HCl preserved	C	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1502543-03C	Vial HCl preserved	C	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1502543-03D	Plastic 250ml HNO3 preserved	C	<2	2.8	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1502543-03E	Amber 1000ml unpreserved	B	7	3.1	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1502543-03F	Amber 500ml unpreserved	B	7	3.1	Y	Absent	NYTCL-8081(7)
L1502543-03G	Amber 1000ml unpreserved	B	7	3.1	Y	Absent	HERB-APA(7)
L1502543-03H	Amber 1000ml unpreserved	B	7	3.1	Y	Absent	NYTCL-8082-1200ML(7)
L1502543-03X	Plastic 250ml NaOH preserved spl	C	>12	2.8	Y	Absent	TCN-9010(14)
L1502543-04A	Vial HCl preserved	C	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1502543-04B	Vial HCl preserved	C	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1502543-04C	Vial HCl preserved	C	N/A	2.8	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/17/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1502543-04D	Plastic 250ml HNO3 preserved	C	<2	2.8	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1502543-04E	Amber 1000ml unpreserved	B	7	3.1	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1502543-04F	Amber 500ml unpreserved	B	7	3.1	Y	Absent	NYTCL-8081(7)
L1502543-04G	Amber 1000ml unpreserved	B	7	3.1	Y	Absent	HERB-APA(7)
L1502543-04H	Amber 1000ml unpreserved	B	7	3.1	Y	Absent	NYTCL-8082-1200ML(7)
L1502543-04H1	Amber 1000ml unpreserved	B	7	3.1	Y	Absent	NYTCL-8082-1200ML(7)
L1502543-04I	Amber 1000ml unpreserved	B	7	3.1	Y	Absent	HERB-APA(7)
L1502543-04X	Plastic 250ml NaOH preserved spl	C	>12	2.8	Y	Absent	TCN-9010(14)
L1502543-05A	Vial HCl preserved	C	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1502543-05B	Vial HCl preserved	C	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1502543-05C	Vial HCl preserved	C	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1502543-05D	Plastic 250ml HNO3 preserved	C	<2	2.8	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1502543-05E	Amber 500ml unpreserved	C	7	2.8	Y	Absent	NYTCL-8081(7)
L1502543-05F	Amber 1000ml unpreserved	C	7	2.8	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1502543-05G	Amber 1000ml unpreserved	C	7	2.8	Y	Absent	NYTCL-8082-1200ML(7)
L1502543-05X	Plastic 250ml NaOH preserved spl	C	>12	2.8	Y	Absent	TCN-9010(14)
L1502543-06A	Vial HCl preserved	C	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1502543-06B	Vial HCl preserved	C	N/A	2.8	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	905 ELMWOOD AVE.	**Lab Number:**	L1502543
Project Number:	0136-014-002	**Report Date:**	02/17/15

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).
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.
NI	- Not Ignitable.
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.

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

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.

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.

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.

Report Format: DU Report with 'J' Qualifiers

Project Name:	905 ELMWOOD AVE.	**Lab Number:**	L1502543
Project Number:	0136-014-002	**Report Date:**	02/17/15

Data Qualifiers

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: 905 ELMWOOD AVE. **Lab Number:** L1502543
Project Number: 0136-014-002 **Report Date:** 02/17/15

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

Certification Information

Last revised December 16, 2014

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

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: 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.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F,**
EPA 353.2: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: 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: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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

Page 1 of 1

Date Rec'd in Lab: 2/10/15

ALPHA Job #: L1502543

Client Information
Client: Turnkey Environmental
Address: 2558 Hamburg Turpike Suite 300 Lackawanna NY
Phone: (716) 856-0635
Fax: (716) 856-0583
Email: TBehrendt@Turkeyllc.

Project Information
Project Name: 905 ELMWOOD AVE
Project Location: Buffalo NY
Project #: 0136-014-002
(Use Project name as Project #) ☒
Project Manager: Nate Murphy
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date: 2/17/15
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 add total Cyanide (TCN SAMPLED POURED OFF FROM UN-PRESERVED VOLUME @ THE BUFFALO SERVICE CENTER)

Please specify Metals or TAL. * 2-10-15 @ 1145 * RICW *

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	8260 TCL+CP-51 VOC	8270 TCL SVOC	TAL METALS	PCB	Pest	Herb			Sample Specific Comments	Total Bottle
02543-01	TMW-1	2/9/15	1423	GW	TAB	3	1	1	1	1	1				
-02	TMW-2 (MS/MSD)		1248			9	6	6	6	6	6				
-03	TMW-3		1400			3	1	1	1	1	1				
-04	Blind Dup		1200			3	1	1	1	1	2				
-05	TMW-4		1513			3	1	1	1	1	1				
-06	Trip Blank					2									

APPENDIX D

DATA USABILITY SUMMARY REPORT (DUSR)

Data Validation Services

120 Cobble Creek Road P.O. Box 208
North Creek, NY 12853

Phone 518-251-4429
harry@frontiernet.net

March 12, 2015

Nathan Munley
Turnkey Environmental Restoration
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218

RE: Validation of the 905 Elmwood Avenue Site Sample Analytical Data Packages
Alpha Analytical Nos. L1501593 and L1502543

Dear Mr. Munley:

Review has been completed for the data packages generated by Alpha Analytical, Inc that pertain to samples collected 01/22/15 and 02/0915 at the 905 Elmwood Avenue site. The following samples were processed for the indicated parameters:

- four aqueous samples, four soil samples, and field duplicates of both matrices for TCL and CP-51 volatiles, TCL semivolatiles, Aroclor PCBs, TCL pesticides, TCL herbicides, TAL metals, and total cyanide, with the exception that one aqueous herbicide analysis was not possible due to limited sample volume
- two soil samples for TCL and CP-51 volatiles, TCL semivolatiles, Aroclor PCBs, TAL metals, and total cyanide
- one soil sample for TCL and CP-51 volatiles, TCL semivolatiles, TAL metals, and total cyanide
- one soil sample for TCL pesticides, Aroclor PCBs, TCL herbicides, TAL metals, and total cyanide
- one soil sample for TAL metals

The analytical methodologies are those of the USEPA SW846. The semivolatile analyses were performed at full scan and with Selective Ion Monitoring (SIM).

The data package submitted by the laboratory contains full deliverables for validation, but this usability report is generated from review of the QC summary form information, with full review of sample raw data and limited review of associated QC raw data. The reported QC summary forms and sample raw data have been reviewed for application of validation qualifiers, in accordance with the project QAPP, with guidance from the USEPA national and regional validation documents, and in consideration for the specific requirements of the analytical methodology. The following items were reviewed:

* Data Completeness
* Case Narrative
* Custody Documentation
* Holding Times
* Surrogate and Internal Standard Recoveries
* Trip/Method Blanks
* Laboratory Control Sample (LCS)

* Field Duplicate Correlations
* Matrix Spike Recoveries and Duplicate Correlations
* Instrumental Tunes
* Calibration Standards
* ICP Serial Dilution Evaluations
* ICP Interference Check Samples
* Method Compliance
* Sample Result Verification

The data review includes evaluation of the specific items noted in The NYS DER-10 Appendix B section 2.0 (c). The items listed above that show deficiencies are discussed within the text of this narrative. The laboratory QC forms illustrating the excursions can be found within the laboratory data package.

In summary, most results are usable either as reported or with minor qualification or edit. The following issues are noted:

- 1,4-dioxane in all samples are rejected due to processing limitations
- one semivolatile analyte in each of two samples are rejected due to apparent matrix effect

The reported accuracy, precision, comparability, and representativeness are generally acceptable. Data completeness was lacking in that the herbicide analysis of TMW-4 was not possible due to limited sample volume. Sensitivity was somewhat compromised in that the reporting limits for the semivolatile and pesticide fractions of TMW-4, TMW-3, and the aqueous field duplicate, and those for the PCB results for TMW-1, TMW-3, and TMW-5, are elevated due to limited sample volume. Herbicide and PCB analytes were not evaluated for accuracy and precision in the soil matrix.

Copies of the client sample identifications laboratory summaries are attached to this text. Also included in this submission are the client EDD files, with recommended qualifiers/edits applied in red.

General

The laboratory utilizes acceptance ranges for the almost all of the organic analyte surrogate, LCS, and matrix spike recoveries and correlations that are set ranges, rather than following the analytical protocol requirement for determining ranges/limits. These limits are wider (more generous) than those typically determined when following protocol requirements. Although no qualification is made for this non-compliance, accuracy and precision acceptability is difficult to evaluate, as actual acceptance ranges are unknown.

Chain-of-Custody/Sample Receipt

The herbicide analysis of TMW-4 was not possible due to limited sample volume. Additionally, reporting limits for the semivolatile, and pesticide fractions of that TMW-4, TMW-3, and the aqueous field duplicate, and those for the PCB results for TMW-1, TMW-3, and TMW-5, are elevated due to limited sample volume.

The collection date is not present on the custody pertaining to the soil samples. This omission was not noted on either the laboratory login form, or their case narrative.

Field Duplicate Correlations

Blind field duplicates were collected at locations TWM-3 and SB-8(5-7). All correlations are within validation guidelines, with the exception of that for potassium (39%RPD) in TMW-3. The results for that element in that parent sample and its duplicate have been qualified as estimated.

Volatile Analyses by EPA8260C

The following detections are edited to nondetection due to very poor mass spectral quality:

- cyclobenzene in SB-05(5-7)
- 2-hexanone and 2-butanone in TMW-4, with 2-butanone at significantly higher reporting limits

The following detections are qualified as tentative in identification and estimated in value due to poor mass spectral quality:

- sec-butylbenzene in SB-06(4.5-6.5)
- cyclobenzene in SB-04(8-10)

Due to presence in the associated method blank, the detections of acetone and 2-butanone in all soil samples except SB-06(4.5-6.4) are considered external contamination, and are edited to reflect non-detection. These detections should have been flagged as "B" by the laboratory.

The results for 2-hexanone in all of the soil samples except SB-06(4.5-6.5) are to be qualified as estimated due to low recoveries (61% and 62%) in the associated LCS.

The matrix spikes of TMW-2 show acceptable accuracy and precision, with the exception of elevated recoveries for acetone (181% and 152%). The result for that compound in the parent sample has been qualified as estimated in value.

The matrix spikes of SB-04(8-10) show acceptable accuracy and precision, with the exceptions of those for 2-hexanone and 1,2-dibromo-3-choropropane (60% to 66%). The result for that compounds in the parent sample have been qualified as estimated in value, and may have a low bias.

Holding times were met. Surrogate and internal standard recoveries are within required ranges.

The results for 1,4-dioxane are rejected and not usable due to very poor response in the calibration standards. The calibration standards show acceptable responses, with the following exceptions, the results for which are to be qualified as estimated in the indicated samples:

- 1,1,2,2-tetrachloroethane, n-butylbenzene, and 1,2,-dibromo-3-chloropropane (22%D to 30%D) in sample SB-06(4.5-6.5)
- 2-hexanone, bromoform, and 1,2,-dibromo-3-chloropropane (22%D to 39%D) in samples
- SB-02(6-8), SB-04(8-10), SB-05(5-7), SB-07(6-8), SB-08(5-7), SB-09(4.5-6.5) and BLIND DUP #1
- isopropylbenzene (26%D) in TRIP BLANK
- dichlorodifluoromethane, isopropylbenzene, and tert-butylbenzene (21%D to 27%D) in samples
- TMW-1, TMW-2, TMW-3, BLIND DUP, and TMW-4

TCL Semivolatiles by EPA8270D—Full Scan and SIM

Holding times were met. Surrogate and internal standard recoveries are within required ranges.

The result for hexachlorothane in TMW-4 is qualified as estimated, with a low bias, due to low recoveries (35% and 33%) in the associated LCS.

The matrix spikes of SB-04(8-10) show acceptable recoveries and correlations, with the exception of the very poor recoveries (0% and 19%) of 2,4-dinitrophenol. The result for that compound in the parent sample is rejected, and not usable.

The matrix spikes of TMW_2 show acceptable recoveries and correlations, with the exception of those for 3,3'-dichlorobenzidine (5% and 21%; 122%RPD) and hexachlorocyclopentadiene (24% and 108%RPD). The result for 3,3'-dichlorobenzidine in the parent sample is rejected, and not usable, and the result for hexachlorocyclopentadiene is qualified as estimated in value.

Calibration standards show acceptable responses, with the following exceptions, the results for which are qualified as estimated in the indicated samples:

- hexachlorocyclopentadiene (42%D and 52%D) in sample TMW-1 and the soil samples

Aroclor PCBs, TCL Herbicides, and TCL Pesticides by EPA methods 8081B, 8151, and 8082

Due to elevated dual column correlation responses, the results for 4,4'-DDD and a-chlordane in TMW-2 are qualified as tentative in identification and estimated in value.

The pesticide matrix spikes of TMW-2 and SB-04(8-10), and the Aroclor 1016/1260 and herbicide matrix spikes of TMW-2 show recoveries and duplicate correlations that are within validation action limits. Herbicides and PCBs were not evaluated for accuracy and precision in the soil matrix.

The pesticide analysis of TMW-3 exhibits numerous responses, and no reported detections. The integration output has been edited, and no independent verification of those reported results can therefore be performed.

Holding times were met, surrogate recoveries are compliant, and blanks show no contamination. Calibration standard responses are acceptable.

The PCB chromatograms are not properly scaled, and surrogate (and therefore potential target analyte) responses are dwarfed.

TAL Metals Analyses by EPA 6010C, 6020, 7470A, and 7471A

The detected result for antimony in SB-01(7-9) is qualified as estimated, with a possible high bias, due to elevated recoveries (159% and 185%) in the associated low level standard.

Matrix spikes/duplicates show the following recoveries or duplicate correlations that are outside the recommended limits, indicating a matrix effect on analyte recovery from the samples. The results for the listed elements are qualified as estimated in the indicated parent samples:

Parent Sample	Element	Outlying % Recoveries
SB-04(8-10)	thallium	69,72
	mercury	158,144
TMW-2	potassium	58,46
	sodium	0,0

The following ICP serial dilution evaluations show elevated correlations, and therefore detected results for those analytes in the indicated parent sample have been qualified as estimated in value. In some cases a high bias is expected, and in some, a low bias.

Parent Sample	Element	%Difference
SB-04(8-10)	aluminum	45
	barium	48
	calcium	56
	iron	55
	magnesium	65
	manganese	58
TMW-2	iron	22
	sodium	24

Total Cyanide by 9012

Review was conducted for method compliance, holding times, transcription, calculations, standard and blank acceptability, accuracy and precision, etc., as applicable to the procedure.

Matrix spikes were performed for total cyanide on TMW-2. Those for SB-04(80-10) show a marginally acceptable recovery of 66% and a low recovery of 49%. The result for that analyte is qualified as estimated in the parent sample.

The blanks show no contamination affecting sample reported results.

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,

Judy Harry

Att: Validation Qualifier Definitions
Client and Laboratory Sample IDs
Qualified Client EQuis EDDs

VALIDATION DATA QUALIFIER DEFINITIONS

U	The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
J-	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased low.
J+	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased high.
UJ	The analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.
NJ	The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated quantitative value.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control limits. The analyte may or may not be present.
EMPC	The results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample.

CLIENT and LABORATORY SAMPLE IDs

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1501593
Report Date: 01/30/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1501593-01	SB-01 (7-9)	SOIL	BUFFALO, NY	01/22/15 12:48	01/23/15
L1501593-02	SB-02 (6-8)	SOIL	BUFFALO, NY	01/22/15 16:10	01/23/15
L1501593-03	SB-03 (6-8)	SOIL	BUFFALO, NY	01/22/15 11:36	01/23/15
L1501593-04	SB-04 (8-10)	SOIL	BUFFALO, NY	01/22/15 11:00	01/23/15
L1501593-05	SB-05 (5-7)	SOIL	BUFFALO, NY	01/22/15 13:56	01/23/15
L1501593-06	SB-06 (4.5-6.5)	SOIL	BUFFALO, NY	01/22/15 10:41	01/23/15
L1501593-07	SB-07 (6-8)	SOIL	BUFFALO, NY	01/22/15 09:31	01/23/15
L1501593-08	SB-08 (5-7)	SOIL	BUFFALO, NY	01/22/15 14:54	01/23/15
L1501593-09	SB-09 (4.5-6.5)	SOIL	BUFFALO, NY	01/22/15 15:17	01/23/15
L1501593-10	BLIND DUP #1	SOIL	BUFFALO, NY	01/22/15 00:00	01/23/15

Project Name: 905 ELMWOOD AVE.
Project Number: 0136-014-002

Lab Number: L1502543
Report Date: 02/18/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1502543-01	TMW-1	WATER	BUFFALO, NY	02/09/15 14:23	02/10/15
L1502543-02	TMW-2	WATER	BUFFALO, NY	02/09/15 12:48	02/10/15
L1502543-03	TMW-3	WATER	BUFFALO, NY	02/09/15 14:00	02/10/15
L1502543-04	BLIND DUP	WATER	BUFFALO, NY	02/09/15 12:00	02/10/15
L1502543-05	TMW-4	WATER	BUFFALO, NY	02/09/15 15:13	02/10/15
L1502543-06	TRIP BLANK	WATER	BUFFALO, NY	02/09/15 00:00	02/10/15

APPENDIX E

ELECTRONIC COPY OF RI/AA REPORT