

Remedial Investigation / Alternatives Analysis Report

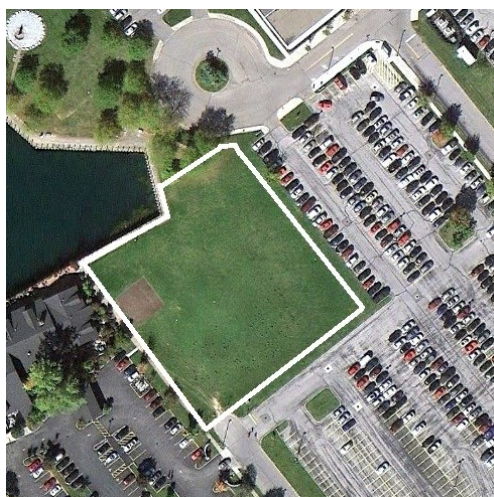
*15 LaRiviere Drive Site & 20 Wilkeson Way Site
Buffalo, New York*

May 2018

0136-013-002

Prepared For:

Carlo Group, LLC



Prepared By:



REMEDIAL INVESTIGATION/ ALTERNATIVES ANALYSIS REPORT

15 LA RIVIERE DRIVE SITE (C915276)

&

20 WILKESON WAY SITE (C915275)

BUFFALO, NEW YORK

May 2018

0136-013-002

Prepared for:

CARLO GROUP, LLC

Prepared By:



In Association With:



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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 May 2018 Remedial Investigation/Alternatives Analysis Report (RI/AAR) for the 15 La Riviere Drive Site (C915276) and the 20 Wilkeson Way Site (C915275) 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), on behalf of Carlo Group, LLC (Carlo Group), for the 15 La Riviere Drive (C915276) and 20 Wilkeson Way (C915275) Sites located in the City of Buffalo, Erie County, New York (see Figures 1 and 2).

Carlo Group elected to pursue cleanup and redevelopment of the Sites under the New York State Brownfield Cleanup Program (BCP) as a “Volunteer” and executed Brownfield Cleanup Agreements (BCAs) with the New York State Department of Environmental Conservation (NYSDEC) in September 2013 (Site Nos. C915276 and C915275, respectively). The Sites Remedial Investigation (RI) Work Plan was approved by the NYSDEC, with concurrence of the New York State Department of Health (NYSDOH), in June 2014. Benchmark-TurnKey performed RI activities at the Sites between July and December 2015. This RI/AAR has been prepared jointly for both Sites, as Sites are planned to be redeveloped jointly, as of the date of this report.

1.1 Site Descriptions

The Sites are located in a highly developed mixed use commercial and residential area of the City of Buffalo, New York. The two (2) adjacent parcels are identified as:

- **15 La Riviere Drive** (C915276) – 1.2 acres.
- **20 Wilkeson Way** (C915275) – 4.2 acres.

The Sites, totaling 5.4 acres, are bordered by commercial property to the north, Erie Street to the south, Erie Street and residential to the east, and commercial property and the Erie Basin Marina to the west. The Wilkeson Way parcel is improved with a parking lot and the La Riviere Drive parcel is currently vacant land (see Figure 2).

As of writing this report, the expected property transfer (ownership) of both current BCP parcels from the City of Buffalo to Carlo Group, LLC has not been completed. Based on recent correspondence between City of Buffalo and Carlo Group, the property transfers are expected to be completed in 2018. However, as part of the property transfer planning,

the City of Buffalo has provided preliminary revised parceling and streetscape plans that would affect both BCP Sites. As such, Carlo Group, is exploring the option of combining the existing two (2) BCP parcels into a single (1) BCP parcel, to alleviate potential issues of orphaning areas based on the City's proposed plans. Any changes to the BCP Sites will be in accordance with the NYSDEC requirements. The City of Buffalo's proposed plan has been incorporated into the Alternatives Analysis, as applicable.

1.2 Site Background

The Sites have a long history of being utilized for various commercial and industrial purposes since at least the late 1800's. The Sites have been host to the Haines & Co. Lumber Yard (from at least 1889-1899), National Mills (from at least 1889-1925), the Delaware Lackawanna & Western Railroad (D.L. & W.R.R.) (from at least 1889-1951), the Great Lakes Transit Corp. (from at least 1925-1946), Buffalo Flour Mills (from at least 1935-1950), J.W. Clemont Co. Printing Plant (from at least 1946-1960), West Shore Fuel Inc. Oil Dealers (from at least 1950 to 1970), Frontier Industrial & Marine Supply Corp (from at least 1950-1970), Harpers Feed Mill (from at least 1951-1955), and Axion Chemical Co. Inc. (from at least 1960-1970). Railroad tracks were present along the southern border of the La Riviere Parcel and on the Wilkeson Parcel from the 1880s to at least the 1950s. Historic maps and aerial photographs show the presence of former ship canals located on-Site and surrounding the Sites, indicating at least a portion of the Sites is comprised of "made land."

Previous environmental investigations completed across the Sites have revealed evidence of environmental contamination related to the former use of the Sites. Evidence of elevated polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), and metals have been detected exceeding 6NYCRR Part 375 Restricted-Residential Use Soil Cleanup Objectives (SCOs), which are the applicable SCOs for the intended reuse of the Property. Details of the previous investigation are presented below.

1.3 Previous Environmental Investigations

A brief summary of the investigations that have occurred at the BCP Sites are presented below. Figure 3 shows historic and remedial investigation sample locations. Tables 2 and 5 summarize analytical results from the previous investigations.

1.3.1 June 1998 Geotechnical and Engineering Report & Additional Sampling Events

Barron & Associates (B&A) completed soil sampling at the La Riviere Site that which included the advancement of eight (8) soil borings. The results of the investigation indicated:

- Elevated metals above Restricted-Residential Use SCOs (RRSCOs) in composite surface soil samples.
- Elevated PAHs above RRSCOs were detected in soil composite subsurface soil samples.

1.3.2 August 1998 - Phase III Sampling Results

B&A completed a sampling event, which included the collection of ten (10) soil samples and four (4) groundwater samples on the La Riviere Site. The results indicated:

- Concentrations of lead and mercury were detected above NYSDEC Class GA Groundwater Quality Standards (GWQS).
- Additional soil sample results indicating elevated metals and PAHs exceeding RRSCOs.

1.3.2.1 October 1998 – Letter Submittal: the Redevelopment and Sampling of Monitoring Well B/MW-4

Based on the elevated lead concentration in MW-4 exceeding the GWQS, the monitoring well was redeveloped and resampled for lead. The resample groundwater results were reported as non-detect. B&A concluded that the initial August 1998 lead detection was due to the turbidity of the original sample.

1.3.3 February 2013 - Phase I Environmental Site Assessment

TurnKey conducted a Phase I Environmental Site Assessment (ESA) of the La Riviere and Wilkeson Way Sites. The findings of the report included:

- Historically, the Sites have been used as a lumber yard, rail road, flour milling, transportation, chemical and petroleum storage and distribution, and printing operations since at least the 1880's. Commercial and industrial operations have contaminated the Site.

- Railroad tracks were present on-site from the 1880s through at least 1951.
- Municipal records indicate that multiple petroleum tanks have been installed at the Sites. Records indicate at least five tanks have been installed at historic addresses associated with the Sites; at least one tank was noted as removed, and another tank was noted as closed in place.
- Adjacent properties were listed in the NYSDEC SPILLS database.
 - Spill No. 9808831, located at 53 Wilkeson Way, dated October 15, 1998, involved leaking transformer oil; Spill is classified as “closed” by the NYSDEC. 53 Wilkeson Way is a potential address associated with the subject property.
- Commercial and industrial operations were identified for adjacent properties, including lumber yards, mills, transportation, rail roads, warehouses, and a junk yard.

1.3.4 April 2013 Limited Phase II Environmental Investigation

Based on the findings of the February 2013 Phase I ESA, TurnKey performed a Limited Phase II Environmental Investigation in 2013 at the BCP Sites. The investigation included the completion of a subsurface soil investigation to assess potential environmental impact to the BCP Sites related to RECs identified in the Phase I ESA.

Eleven (11) test pits (TP-01 through TP-11) were completed and five (5) soil/fill samples from test pits were collected for analysis. Eleven (11) soil borings (SB-01 through SB-11) were completed and five (5) soil/fill samples from soil boring were collected for analysis. The results are included on Table 2 and summarized below:

- Elevated photoionization detector (PID) readings and petroleum-like odor were noted in SB-01, SB-02, and SB-10. Apparent petroleum sheen was noted at sample location SB-02 and SB-10. It should be noted that associated soil analytical results did not contain any petroleum-related volatile organic compounds (VOCs) exceeding Unrestricted Use SCOs (USCOs) at SB-02 and SB-10.
 - TurnKey subsequently requested the laboratory to analyze SB-10 for gasoline range organics (GROs) to check for a broader range of organics. The sample contained GROs at a concentration of 2,700 ug/kg, likely indicating weathered nuisance petroleum contamination.
- Certain PAHs were detected above CSCOs and RRSCOs at five (5) soil sample locations.

- Elevated metals, including arsenic, barium, cadmium, lead, and mercury, were detected above RRSCOs and CSCOs, selectively, at several soil sample locations.

Based on the petroleum contamination findings, TurnKey notified the NYSDEC and Spill No. 1300149 was assigned to the Site on April 5, 2013.

1.3.5 August 2013 - Supplemental Phase II Environmental Investigation

Five (5) soil borings, identified as SB-12 through SB-16 were advanced on the northeastern portion of the Wilkeson Parcel to supplement the Limited Phase II Environmental Investigation (April 2013). Soil samples were collected, and results are presented on Table 2 and summarized below:

- Elevated PID readings and visible sheen (SB-13) were noted during the investigation.
- Elevated PAHs above RRSCOs and CSCOs.
- Elevated metals, including barium above its CSCO.

1.4 Purpose and Scope

This RI/AAR has been prepared on behalf of Carlo Group to describe and present the findings of the RI activities, and evaluate remedial alternatives for the Sites.

This report contains the following sections:

- Section 2.0 presents the approach for the RI
- Section 3.0 describes the physical characteristics of the Sites 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 exposure assessment
- Section 7.0 evaluates remedial alternatives for the Sites
- Section 8.0 presents the RI/AAR summary and conclusions
- Section 9.0 provides a list of references for this report.

2.0 INVESTIGATION APPROACH

The RI scope of work focused on further defining the nature and extent of contamination, identifying potential source(s) of contamination, defining chemical constituent migration pathways, qualitatively assessing human health and ecological exposure (if necessary), and obtaining data of sufficient quantity and quality to perform the remedial alternatives evaluation in accordance with NYSDEC DER-10.

The RI was performed to supplement previous investigations and to more fully characterize on-Site soil/fill materials, groundwater, and overburden stratigraphy within the Sites boundaries. The RI tasks were performed in accordance with the approved RI/AA Work Plan. RI activities were completed at the Sites between July and December 2015. Figure 3 presents the historic and RI sample locations.

Field team personnel collected environmental samples (i.e., surface soil/fill, subsurface soil/fill, and groundwater) in accordance with the rationale and protocols described in the Sampling and Analysis Plan (SAP) and Quality Assurance Project Plan (QAPP) (included in the RI/AA Work Plan) as detailed on Table 1. Investigation locations are shown on Figure 3.

Samples for chemical analysis were analyzed in accordance with USEPA SW-846 methodologies to meet the definitive-level data requirements. A Category B deliverable package was provided for each sample delivery group to allow independent third-party data validation and provide defensible data. Analytical results were evaluated by a third-party data validation expert in accordance with provisions described in the QAPP.

2.1 RI Soil/Fill Investigation

A soil/fill investigation was completed across the Sites to supplement previous environmental data and to further delineate contamination on the Sites. The soil/fill investigation included the advancement of soil borings and test pits across the Sites, and the collection of surface and subsurface soil/fill samples. RI soil/fill investigation activities were completed on July 30th and 31st, 2015, and November 16th through November 19th, 2015. A photolog is provided in Appendix A.

2.1.1 Surface Soil Investigation

A surface soil investigation was completed to assess surface soils across the Sites. Surface soil sample locations on the Wilkeson Site were focused on the vegetated perimeter of the Site, as the majority is covered by asphalt parking lot (see Figure 3). Nine (9) surface soil/fill samples, identified as SS-01 through SS-09, were collected from the upper 6-inch interval (see Figure 3). Surface soil samples were collected and analyzed in accordance with the approved Sampling and Analysis Plan as detailed on Table 1.

2.1.2 Subsurface Soil/Fill Investigation

A subsurface soil/fill investigation was completed to supplement the previous environmental data collected, further delineate extent of known contamination, and to obtain general characterization across the Sites.

The subsurface soil/fill investigation included the advancement of seventeen (17) soil borings, identified as SB-17 through SB-26 and BCP-MW-1 through BCP-MW-7; and, the excavation of six (6) test pits, identified as TP-12 through TP-17, across the Sites (see Figure 3). Soil borings were advanced using direct-push drilling techniques to depth ranging from 6 to 20 feet below ground surface (fbgs). Subsurface soil/fill samples were collected with a macro-core sampler with replaceable acetate liner.

The soil/fill samples retrieved from the borings and test pits allowed for visual, olfactory, and photo ionization detector (PID) assessment of subsurface conditions. Soil/fill samples were collected for laboratory analysis in accordance with the approved Work Plan (see Table 1); note that some sample locations included more than one sample interval. Soil boring and test pit logs are provided in Appendix B.

2.1.3 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 4°C in the field, and transported under chain-of-custody command to a NYSDOH Environmental Laboratory Approval Program (ELAP)-certified laboratory. All samples were collected and analyzed in accordance with USEPA SW-846 methodology with equivalent NYSDEC Category B deliverables to allow for independent third-party data usability assessment.

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

2.2 RI Groundwater Investigation

Benchmark-TurnKey personnel provided oversight for the installation of eight (8) groundwater monitoring wells, identified as BCP-MW-1 through BCP-MW-8, to investigate on-Site groundwater flow direction and quality. Details of the well installation, well development, and groundwater sampling are provided below. Figure 4 presents the findings of the groundwater investigation.

2.2.1 RI Monitoring Well Installation

After completion of soil borings, RI monitoring wells, identified as BCP-MW-1 through BCP-MW-8, were installed. Each well was advanced using hollow-stem augers to install 2-inch inside diameter (ID) monitoring wells in accordance with the approved Work Plan. Each well screen and attached riser was placed at the bottom of each borehole and a silica sand filter pack (size #00N) was installed from the base of the well to a minimum of approximately 2 feet above the top of the screen. A bentonite chip seal was installed and hydrated to mitigate the potential for downhole contamination. Groundwater was observed at depths ranging between 7 and 12 fbs. Monitoring well construction details are presented in Appendix B. Location of the monitoring wells is presented on Figure 4.

2.2.2 Monitoring Well Development

Between November 18th - 20th and December 15th, 2015 the newly installed BCP-MW-1 through BCP-MW-7 and the existing monitoring wells B/MW-1 through B/MW-4 were developed, in accordance with the approved work plan, Benchmark-TurnKey, and NYSDEC protocols. Development of the monitoring wells was completed with bailers via surge and purge methodology. Field parameters including pH, temperature, turbidity, dissolved oxygen, redox potential (ORP), and specific conductance were monitored and periodically recorded during development and sampling until they became relatively stable.

Stability was defined as variation between measurements of approximately ten (10) percent or less with no overall upward or downward trend in the measurements; or a minimum of three well volumes. Development water from the monitoring wells was containerized pending groundwater analytical results.

2.2.3 Groundwater Sample Collection and Analyses

Groundwater samples were collected December 15th through December 17th, 2015. Benchmark-TurnKey personnel sampled monitoring wells using a peristaltic pump and dedicated tubing following low-flow/minimal drawdown purge and sample collection procedures. 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.

Groundwater samples were collected and analyzed for TCL plus CP-51 list VOCs, TCL SVOCs, TAL metals, PCBs, pesticides, and herbicides in accordance with the approved RI Work Plan and detailed on Table 1.

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 (see Table 1).

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 (see Figure 3). Benchmark-TurnKey personnel employed a handheld GPS unit to identify all sample locations relative to State planar grid coordinates. Monitoring well elevations were measured by Benchmark-TurnKey's surveyor and used as the basis for the groundwater isopotential map showing the general

direction of groundwater flow based on water level measurements relative to the Sites 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 (e.g., hollow stem augers) 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-TurnKey's field operating procedures (FOPs).

During subsurface test pit/soil boring activities, excavated materials were returned to the location from which it was excavated upon completion of field assessment and analytical sample collection.

RI-generated drilling spoils as well as decontamination and groundwater development water were containerized to allow for appropriate characterization based on the RI analytical findings. IDW related drums have been removed and properly disposed off-site. Disposal documents will be provided in the Final Engineering Report (FER).

3.0 SITE PHYSICAL CHARACTERISTICS

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

3.1 Site Topography and Drainage

The Sites consist of two (2) adjoining parcels, totaling 5.4 acres (1.2 acres – 15 La Riviere and 4.2 acres - 20 Wilkeson Way). Both Sites are vacant and generally flat lying with limited topographic features. The surface of the 15 La Riviere Site is grass covered, and the 20 Wilkeson Way Site is primarily covered with asphalt, with a vegetated landscape area along its southern boundary. Precipitation (i.e., rain or melting snow) moves to the storm drains in the roadways and parking lot via overland flow. Surface and shallow groundwater flow are likely impacted by various cycles of development and filling, as well as utility lines and foundations.

3.2 Geology and Hydrogeology

3.2.1 Overburden

The Sites are located within the Erie-Ontario lake plain physiographic province, which is typified by little topographic relief and gentle slope toward Lake Erie, except in the immediate vicinity of major drainage ways. The surficial geology of the Lake Erie Plain consists of a thin glacial till (if present), glacio-lacustrine deposits, recent alluvium, and the soils derived from these deposits.

According to the United States Department of Agriculture (USDA) Erie County Soil Map, the surface soils on the Sites are characterized as Urban Land (Ud), consisting of level to gently sloping land with 80 percent or more 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. Mapping of the surface soils in the vicinity of the Sites, based on the USDA soil survey, indicates the surficial geology of the area consists of various loams, with slopes typically ranging from 0-6%.

RI activities investigated subsurface soil/fill at the Sites which generally consist of non-native soil/fill (e.g., brick, block, concrete, cinders, ash, wood and glass) at depths up to approximately 11 fbgs, overlying native sandy lean clay. Borehole, test pit, and well construction logs are provided in Appendix B.

3.2.2 Bedrock

Based on the bedrock geologic map of Erie County, the Sites are 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 110-160 feet. Bedrock was not encountered during the RI.

Based on the 1998 Geotech and Engineering Report, bedrock was encountered at 25-29 fbgs. Rock cores were identified in the report as limestone from the Onondaga Limestone Formation.

3.2.3 Hydrogeology

The Sites are located in the Erie-Niagara River Basin. In the Erie-Niagara River Basin, the major areas of groundwater are within coarser overburden deposits and limestone and shale bedrock. Regional groundwater is estimated to flow south towards the Buffalo River and/or west towards Lake Erie.

Groundwater across the Sites was typically encountered between 8 and 12 fbgs. Figure 4 depicts the groundwater isopotential map and estimated groundwater flow direction based on the water level measurements collected during the December 2015 gauging event. Boring logs and well construction details are provided in Appendix B.

3.2.4 Hydraulic Gradient

Using well installation and water level information collected during the RI, the estimated hydraulic gradient was calculated to be an average of 0.0097 ft/ft. in a western direction toward the Buffalo River and Lake Erie. On-Site groundwater is likely highly influenced by the presence of the former ship canals and proximity to Buffalo River and Lake Erie.

4.0 INVESTIGATION RESULTS BY MEDIA

The nature and extent of contamination at the Sites was further characterized using soil and groundwater samples collected and analyzed as part of the RI. As described above, samples collected during previous investigations were used to supplement this RI.

The soil and groundwater samples collected during the RI sampling events were submitted for analyses under chain-of-custody to a NYSDOH ELAP-certified laboratory. Analytical services were performed in accordance with SW-846 analytical methods and protocols. Tabulated analytical data discussed in this section includes results from prior investigations as well as the RI data collected by Benchmark-TurnKey personnel. Tabulated analytical results are shown only for those parameters for which a value greater than the laboratory method detection limit was detected at a minimum of one (1) sample location.

Figure 3 shows the RI and previous investigation sampling locations. Table 1 summarizes the sampling and analysis program of the RI. Tables 2 through 6 summarize the historic and RI 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/Fill Investigation Results

As described above, previous investigations have been completed on the Sites. Soil/fill samples were collected, and various samples analyzed for VOCs, SVOCs, and metals. Table 2 summarizes the historic soil analytical results with comparison to applicable Part 375 SCOs. Historic sample locations are shown on Figure 3.

Elevated PAHs exceeding RRSCOs were detected at various locations across the Sites, with elevated Total PAHs above 500 ppm at SB-16.

Elevated metals, including arsenic, barium, cadmium, lead and mercury were detected above their respective RRSCOs at multiple locations.

Elevated PID readings were noted in the field logs, with PID readings ranging from 0-124 ppm. Associated analytical data results reported in the previous reports did not identify elevated VOCs for the associated composite sample locations.

4.2 RI Soil/Fill Investigation Results

Benchmark-TurnKey completed the soil/fill investigation across the Sites in accordance with the Department's approved Work Plan. The RI Soil investigation included the collection of surface soil and subsurface soil/fill across the Site to define previously identified contamination and more fully characterize the Sites. Findings of the RI are described below.

4.2.1 Surface Soil/Fill Investigation Results

In November 2015, Benchmark-TurnKey completed a surface soil/fill investigation across the Sites. Nine (9) surface soil/fill samples, identified as SS-01 through SS-09, were collected from vegetated areas from surface to 0.5 fbs to characterize the surface soils. Surface soil/fill samples were analyzed for TCL SVOCs, TAL metals, PCBs, pesticides, and herbicides. Table 3 summarizes the RI surface soil/fill analytical results with comparison to applicable SCOs. No VOCs were analyzed from surface soil samples.

4.2.1.1 Semi-Volatile Organic Compounds

The vast majority of results were reported as non-detect or estimated by the laboratory. Only indeno(1,2,3-cd)pyrene was detected slightly above its RRSCO at SS-01 and SS-03 (see Table 3).

4.2.1.2 Metals

No metals were detected above RRSCOs. Only mercury was detected slightly above its USCO in SS-02, SS-04, and SS-05.

4.2.1.3 Polychlorinated Biphenyls

No PCBs were detected above USCOs, with all results being reported as non-detect (below the MDL) or as an estimated value (less than the sample quantitation limit) by the laboratory.

4.2.1.4 Pesticides and Herbicides

No pesticides or herbicides were detected above RRSCOs. 4,4'-DDD, 4,4'-DDE and 4,4'-DDT were detected slightly above their USCOs at several locations (see Table 3).

4.2.2 RI Subsurface Soil/Fill Investigation Results

Between July and November 2015, Benchmark-TurnKey completed the RI subsurface soil/fill investigation across the Sites in accordance with the Department's approved Work Plan. In total, six (6) test pits, identified as TP-12 through TP-17, and eighteen (18) soil borings, identified as SB-17 through SB-26 and BCP MW-1 through BCP MW-8, were advanced to further assess subsurface conditions across the Sites.

Table 4 summarize the RI subsurface soil/fill analytical results with comparison to applicable SCOs. Figure 3 shows the RI subsurface soil/fill investigation locations.

4.2.2.1 Qualitative Soil Screening

During RI field activities, fill material was identified across the Sites to varying depths from 0.5 to greater than 12 fbg, consisting (e.g., brick, block, concrete, cinders, ash, metal, wood and glass) with reworked silty sand and lean clay with fill material overlying an assumed native sand layer. Suspect former building foundation or footer was identified in TP-12. Elevated PID readings (13.2 ppm) and odors were noted in SB-21 at depths ranging from approximately 17-20 fbg. Water was identified at approximately 10 fbg. RI test pit and soil boring logs are provided in Appendix B.

4.2.2.2 Volatile Organic Compounds

No VOCs were detected above RRSCOs. Only two (2) VOCs were detected slightly above their respective USCOs at SB-21, with the vast majority of results being reported as non-detect or estimated values by the laboratory.

4.2.2.3 Semi-Volatile Organic Compounds

Elevated SVOCs, primarily PAHs, were detected above their individual USCOs and RRSCOs in select subsurface soil/fill sample locations. Elevated Total PAHs above 500 ppm were detected at SB-23 (4-8') (see Table 4).

4.2.2.4 Metals

Certain metals were detected above their USCOs and RRSCOs. Arsenic was detected above its RRSCO at SB-24, and above its USCO at SB-21. Barium was detected above its RRSCO at SB-21 and BCP MW-7, and lead was detected above its RRSCO at BCP MW-7. Mercury was detected slightly above its RRSCO at BCP MW-7, SB-20, and SB-21. The remaining metals exceedances of SCOs are primarily naturally occurring minerals.

4.2.2.5 Polychlorinated Biphenyls

The majority of the results were reported as non-detect or estimated values by the laboratory. Total PCBs were detected above its RRSCO at TP-12, and slightly above its USCO at BCP-MW-3, TP-13, SB-17, and SB-18.

4.2.2.6 Pesticides and Herbicides

No pesticides or herbicides were detected above RRSCOs, with the majority of the results being reported as non-detect or estimated values by the laboratory. 4,4'-DDD, 4,4'-DDE and 4,4'-DDT were detected slightly above their USCOs at certain locations (see Table 4).

4.3 Historic Groundwater Investigation Results

Four (4) groundwater monitoring wells were installed and sampled during the previous investigations completed by others. Based on the previous reports, elevated levels of lead and mercury were initially detected in B/MW-4 above GWQS. Due to the elevated lead groundwater concentration detected in MW-4, the well was re-developed and sampled for lead. Resample results for lead were reported as ND, and the initial findings were attributed to turbidity in the original samples. It should be noted that the historic wells were redeveloped and sampled as part of the RI investigation. RI groundwater results, including these wells, are discussed below.

Table 5 presents a summary of the historic groundwater sample results with comparison to applicable GWQS. Historic sample locations are presented on Figure 3.

4.4 Groundwater Investigation Results

Benchmark-TurnKey personnel provided oversight for the installation of eight (8) RI groundwater monitoring wells, identified as BCP-MW-1 through BCP-MW-8, to investigate on-Site groundwater quality and flow in accordance with the approved Work Plan. Well construction details are presented in Appendix B.

Benchmark-TurnKey also redeveloped the four (4) existing groundwater monitoring wells, B/MW-1 through B/MW-4 and collected samples in accordance with the approved work plan.

Table 6 presents a comparison of the detected groundwater parameters to the applicable GWQS. Groundwater samples were collected in accordance with the work plan and analyzed for TCL VOCs, TCL SVOCs, TAL metals, PCBs, pesticides and herbicides in accordance with Table 1. Figure 4 presents the location of the groundwater monitoring well network and estimated groundwater flow direction.

4.4.1 RI Groundwater Investigation Results

Groundwater samples were collected as part of the RI activities, including: eight (8) newly installed monitoring wells, and the four (4) existing monitoring wells. Table 6 summarizes the groundwater samples collected as part of the RI. The groundwater sample results from the RI and previous investigations were compared to the NYS Part 703 Groundwater Quality Standards (GWQS) and discussed below.

4.4.2 Volatile Organic Compounds

The majority of analytes were reported as non-detect or as estimated concentrations below the laboratory quantitation limit. Acetone, a common laboratory contaminant, was detected above its GWQS in BCP-MW-3, and benzene was detected above its GWQS at BCP-MW-1.

4.4.3 Semi-Volatile Organic Compounds

Certain PAHs were detected above their respective GWQS at BCP-MW-3. The vast majority of analytes were reported as non-detect or as estimated concentrations below the laboratory quantitation limit.

4.4.4 Metals

Certain metals were detected at concentrations above their individual GWQS (see Table 6). The majority of metals detected at concentrations above GWQS were primarily limited to naturally-occurring minerals.

4.4.5 Polychlorinated Biphenyls

No PCBs were detected above GWQS, all results reported as non-detect by the laboratory.

4.4.6 Pesticides and Herbicides

No pesticides or herbicides were detected above GWQS, all results were reported as non-detect by the laboratory.

4.5 Summary of Investigation Findings

The following is a summary of the historic investigations and RI findings.

Surface Soil:

No RI VOCs, SVOCs, metals, PCBs, pesticides or herbicides were detected at concentrations above RRSCOs, with one minor exception (see Table 3). Previous investigations completed on the 15 La Riviere parcel indicated elevated metals above RRSCOs in the surface soils (see Tables 2 and 3).

Subsurface Soil/Fill:

No VOCs, PCBs, pesticides or herbicides were detected above RRSCOs. Certain PAHs were detected above their individual RRSCOs, with two (2) sample locations exceeding total PAHs (500 ppm). Certain metals were detected above RRSCOs. Elevated total PCBs were detected above RRSCOs at one sample location (see Tables 2 and 4).

Groundwater:

No PCBs, pesticides or herbicides were detected above GWQS. No VOCs exceeded GWQS, with the exception of benzene at one location, and acetone, a common laboratory contaminant, at one location. Certain individual PAHs were detected above their GWQS at one location, and metals that were detected above GWQS are primarily naturally occurring minerals, indicating a potential background condition associated with the urban nature of the Site (see Tables 5 and 6).

4.6 Data Usability Summary

In accordance with the RI 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. Appendix D includes the DUSR for the RI analytical data.

Based on the DUSR, the selenium result for TP-15 (5-11), which was reported as non-detect by the laboratory, was rejected due to lack of recovery in the matrix spike.

In summary, most sample results are usable, with some data further qualified during the data validation. Additional qualifications of the data have been incorporated to the summary data tables.

4.7 Constituents of Concern (COCs)

Based on the findings of the RI and previous investigations, and the planned redevelopment of the Sites, the Constituents of Concern (COCs) for a restricted residential use are presented below:

Soil/Fill: nuisance petroleum, PAHs, PCBs, and metals

Groundwater: VOCs

5.0 FATE AND TRANSPORT OF COCs

The soil/fill and groundwater sample analytical results were incorporated with the physical characterization of the Sites to evaluate the fate and transport of COCs in on-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 can be released to ambient air as a result of fugitive dust generation. Historic use of the Sites has impacted soil/fill with PAHs and metals, and as such fugitive dust generation during excavations related to remediation and 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 completed during intrusive activities and, if required, dust mitigation measures 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. Volatile chemicals typically have a low organic-carbon partition coefficient (K_{oc}), low molecular weight, and a high Henry's Law constant.

Nuisance petroleum odors and elevated PID readings were noted at several locations. No VOCs were detected in soil/fill samples above applicable SCGs, and as such, volatilization from on-Site soil/fill is not considered a potential relevant migration pathway.

Two (2) VOCs were detected above GWQS; however, the elevated analytical results are considered suspect based on potential laboratory contamination (acetone) and no associated soil analytical results (benzene) from an upgradient well location. Accordingly, volatilization from on-Site groundwater is not considered a potential relevant migration pathway.

5.3 Surface Water Runoff

The potential for soil particle transport due to surface water runoff is low, as the majority of the Sites are covered by asphalt and vegetated (grass) areas. Precipitation waters are collected in storm drains and transmitted by municipal conveyance system and 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 soil/fill that may be exposed during remedial excavation activities will be managed under a Stormwater Pollution Prevention Plan (SWPPP) and/or Soil/Fill Management Plan (SFMP), which will be developed and submitted to the Department for review and approval with the Remedial Action Work Plan (RAWP), which would minimize or eliminate the potential of contaminated sediment particles migrating from the Site.

As such, surface water runoff is considered a relevant, but manageable migration pathway.

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 Wilkeson Parcel is covered by impermeable surfaces (i.e., asphalt and concrete) which limits infiltration of precipitation.

No VOCs were detected in soils above RRSCOs. Select PAHs and metals were detected in soil/fill above SCOs; however, PAHs and metals tend to adsorb strongly to soil, sediments and particulate matter and are not expected to leach under natural conditions (i.e., neutral pH).

5.5 Groundwater Transport

Groundwater underlying the Sites flow west towards the Buffalo River and Lake Erie with a calculated average hydraulic gradient of 0.0097 ft/ft. across the Sites.

RI groundwater analytical results (see Table 6), indicate select VOCs, PAHs, and metals were detected above their GWQS; however, with the exception of suspect VOC results in an upgradient well location, the low-level exceedance of GWQS are limited to

primarily naturally occurring metals and common PAHs found in typical urban environments. It should be noted that MW-8 (Parcel 1A), had no exceedances of GWQS, with the minor exception of sodium, indicating that contaminants are not migrating from the Site via groundwater transport.

Additionally, the Sites and surrounding area are serviced by a municipal (supplied) potable water service (Buffalo Water), with no evidence of pumping wells in the area of the subject property. As such, contaminant transport via groundwater is not a concern.

5.6 Exposure Pathways

Based on the analysis of chemical fate and transport provided above, the pathways through which Site COCs could reach receptors at significant exposure point concentrations are: fugitive dust during excavation activities and surface-water runoff during intrusive activities.

Remedial activities will be completed in accordance with a Department approved Remedial Action Work Plan, including CAMP, and SWPPP/SFMP, as applicable, to minimize or eliminate the potential that contaminated sediment particles could migrate from the Sites in the form of fugitive dust and/or surface runoff.

6.0 QUALITATIVE EXPOSURE ASSESSMENT

6.1 Potential Human Health Exposure Assessment

The 15 La Riviere Drive and 20 Wilkeson Way Sites are planned for mixed-use commercial and residential development. The planned reuse is consistent with the surrounding property use and zoning. Under current conditions (i.e., remediation and redevelopment) human contact with the Sites can be reasonably expected to occur primarily by two types of receptors: construction workers involved in the remediation and/or redevelopment of the Sites, 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 is expected to be minimal (short-term).

Elevated SVOCs, PCBs and metals were detected above RRSCOs in on-Site soil/fill; therefore, under the current use scenario exposure pathways would be limited to inhalation of dust and dermal contact with impacted soil/fill. An approved Health and Safety Plan (HASP) and CAMP will be followed during intrusive remedial activities to mitigate unacceptable exposures via these pathways.

Concerning groundwater, human contact with groundwater can be expected to be limited to only one receptor: construction worker during short-term deep intrusive activities. Groundwater management during intrusive excavation activities will be completed in accordance with the RAWP. Additionally, the availability of municipal water source at the Sites 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).

Under the planned redevelopment scenario, the majority of the Sites will be covered by hardscape (e.g., building, asphalt, concrete) with limited passive recreation areas on-Site. The planned restricted-residential use of the site will necessitate either achieving RRSCOs to depths of 15 feet below grade across the Sites, or extending the redevelopment cover to assure that all areas of the property are covered by hard cover (asphalt, pavement, etc.) and/or 24-inches of clean soil material. In either case, exposures to routine end users would be mitigated, with the only remaining migration pathway being potential short-term

exposures due to dust inhalation and dermal contact by construction workers during deeper excavation (i.e., utility work) beneath the cover system.

6.2 Potential Ecological Exposure Assessment

The Sites were formerly used as commercial-industrial operations and waterways, in an area of the City of Buffalo that is predominantly “made lands”, with the current use of the Sites as vacant land and parking. The former and anticipated future use of the site includes the majority of the Sites covered by buildings, asphalt and concrete, which provide little or no wildlife habitat or food value. No long-term ecological risks are associated with the findings of the RI.

The Erie Basin Marina is located along the northwest property boundary, with the Buffalo River and Lake Erie beyond. Remedial and redevelopment activities will be conducted in accordance with a SWPPP/SFMP, CAMP and completion of Part 375 compliant cover system. Dust and erosion controls will be implemented, as necessary, during intrusive activities to mitigate potential short-term risks.

As such, no unacceptable ecological risks are anticipated under the reasonably anticipated future use scenario.

7.0 REMEDIAL ALTERNATIVES ANALYSIS

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 three alternatives are developed and assessed for the Sites 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 RRSCOs to a depth of 15 fbg. 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 (SMP), if applicable. Details and evaluation of the of the Track 2 cleanup are described below.

Track 4, 6NYCRR Part 375-3.8(e)(4) soil cleanups uses site-specific information to identify site-specific SCOs (or site-specific action levels; SSALs) that are protective of public health and the environment under a restricted use scenario. For Track 4 remedies, restrictions can be placed on the use of the property in the form of institutional and engineering controls if they can be realistically implemented and maintained in a reliable and enforceable manner. As set forth in 6 NYCRR Part 375-3.8(e)(4)(iii)(a)(1), the top two (2) foot of all exposed surface soils, not otherwise covered by the components of the development of the site (e.g., buildings, pavement), shall not exceed the restricted use (Restricted Residential Use) SCOs. Areas that exceed these SCOs must be covered by material meeting the requirements of the generic soil cleanup table contained in Part 375-6.7(d) for the applicable future site uses (i.e., Restricted Residential).

This remedial AA has been prepared for both the 15 La Riviere Drive Site (C915276) and the 20 Wilkeson Way Site (C915275), as both Sites are planned to be remediated and redeveloped jointly, at the time of writing this report. Where applicable, difference in RI contaminant(s) and associated remedial measures have been identified for each Site, as detailed below.

7.1 Remedial Action Objectives

The development of an appropriate remedial approach begins with definition of site-specific Remedial Action Objectives (RAOs) to address substantial public health and significant environmental issues identified during remedial investigations. In developing the RAOs, consideration is given to the reasonably anticipated future use of the Property (i.e., commercial) and the applicable SCGs.

Per DER-10, appropriate RAOs for the 15 La Riviere Drive and 20 Wilkeson Way Sites include:

7.1.1 Soil/Fill RAOs

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

7.1.2 Groundwater RAOs

- Prevent ingestion of groundwater with contaminant levels exceeding drinking water standards.
- Prevent ingestion of and/or direct contact with groundwater containing contaminant levels exceeding SCGs.

7.2 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 SCG values.

Soil/Fill:

Soil Cleanup Objectives (SCOs) per 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.

NYSDEC Commissioner’s Policy (CP-51) Soil Cleanup Guidance, Issued October 21, 2010

Groundwater

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

7.2.1 Site-Specific Action levels (SSALs)

Site-specific action levels (SSALs) were developed for the Site. These SSALs were developed based on the planned removal of potential source areas, including areas that have a greater potential for contaminant migration, and the feasibility of achieving the SSALs based on the nine factors outlined in 6NYCRR Part 375-1.8(f) described below.

In addition to 6NYCRR Part 375 SCOs and CP-51 guidelines, the following SSALs were developed and used to designate soil/fill requiring remediation:

- Total PAHs >500 mg/Kg in subsurface soil/fill beneath the cover system.
- Elevated PID readings above 100 ppm for nuisance petroleum VOCs in subsurface soil-fill if encountered during intrusive activities.

- Metals (beneath the cover system - Track 4)
 - Arsenic – 40 mg/Kg; based on 2.5-times the restricted use category SCO (16 mg/Kg).
 - Barium – 600 mg/Kg; based on 50% above the Restricted Residential-Commercial SCOs (400 mg/Kg).
 - Cadmium – 9.3 mg/Kg – Commercial Use SCO
 - Lead – 1000 mg/Kg - Commercial Use SCO
 - Mercury – 2.8 mg/Kg – Commercial Use SCO

Additional SSALs may be discussed with the Department based on the approved Remedial Action Work Plan.

7.3 Evaluation of Alternatives

In addition to achieving the RAOs, NYSDEC's BCP 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, where applicable.
- **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.

7.4 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 15 La Riviere Drive and 20 Wilkeson Way Sites are presented below.

1. *Current use and historical and/or recent development patterns:* The 15 La Riviere Drive and 20 Wilkeson Way Sites were historically used for various commercial and industrial

operations, including: printing plant, petroleum distribution, railroad chemical manufacturing/distribution, mill, warehousing and lumber yard. The Sites are currently used as surface parking and vacant. The Sites are planned for redevelopment into a mixed-use commercial-residential complex. **Accordingly, the planned redevelopment would be consistent with recent development patterns and City of Buffalo building code (Green Code).**

2. *Applicable zoning laws and maps:* The current zoning per the City of Buffalo Green Code for the Site is N-1-C: Mixed-Use Core, which includes an intense mix of residential, commercial, and industrial uses, to encourage pedestrian activity. The surrounding land-use is mixed-use including green space and residential campus. The Sites is located within the City of Buffalo's Local Waterfront Revitalization Program (LWRP). Nearby properties include the Waterfront Village condominiums with marina facilities, Waterfront Village commercial office complex, and the Erie Basin Marina and park. **The planned redevelopment is consistent with the larger surrounding mixed-use neighborhood, and the City of Buffalo's Green Code, as described below.**
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 lies within the Buffalo Harbor BOA.**
4. *Applicable comprehensive community master plans, local waterfront revitalization plans as provided for in EL article 42, or any other applicable land use plan formally adopted by a municipality:* According to the Transitional Analysis completed as part of the Buffalo Green Code (September 2016) and Unified Development Ordinance (December 2016), the Sites are located within the boundaries of an area slated for transition to Urban Core. **The proposed redevelopment of the Sites for a mixed commercial and residential use is consistent with the Buffalo Green Code.**
5. *Proximity to real property currently used for residential use, and to urban, commercial, industrial, agricultural and recreational areas:* Residential properties are currently located approximately 200-ft to the east, and commercial and recreational properties are located adjacent to the Sites. **Nearby and adjacent properties are mixed use, including recreational, residential and commercial. The proposed redevelopment of the Sites is consistent with the surrounding use.**

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 to date.**
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 mixed use commercial and residential capacity. Planned mixed use commercial and residential redevelopment of the Sites does not pose environmental justice issues.**
8. *Federal or State land use designations:* The property is designated Commercial by the City of Buffalo (GIS). **Redevelopment is consistent with the Unified Development Ordinance Buffalo Green Code.**
9. *Population growth patterns and projections:* The City of Buffalo, encompassing 40.38 square miles, has a population of 261,025 (2011 [estimate] US Census Bureau), a decrease of 285 from the 2010 U.S. Census. A slight decrease in population is not expected to have a significant impact on the housing market. **Redevelopment is consistent with the Unified Development Ordinance and Buffalo Green Code.**
10. *Accessibility to existing infrastructure:* Access to the Sites is from Erie Street. Utilities (sewer, water, electric) are present along Erie Street, Templeton Terrace, and Wilkeson Way. **Existing infrastructure supports reuse in a 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.* According to the NYS Historic Preservation Office GIS mapping website, the Sites lie within an area considered archeologically sensitive based on information reported to the New York State Office of Parks, Recreation, and Historic Preservation (OPRHP). Sites listed on the National Register of Historic Places are not present on the Sites, however the following sites exist within a one-half mile radius of the Sites:
 - Buffalo North Breakwater South End Light
 - Buffalo Main Light
 - USS Sullivan Destroyer
 - Buffalo Gas Light Company Works
 - County and City Hall

■ Prudential Building

No such resources or sites are known to be present on the Sites.

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:* No State or Federal wetlands exist on the Sites. The Erie Basin Marina is located along the northeastern boundary of the Sites. A NYS regulated wetland (BU-3) is located approximately 0.25-miles to the southwest. According to the NYSDEC's Environmental Resource Mapper (ERM), there are no significant natural communities within a one-half mile radius of the Sites; however, the entire area is listed as containing rare plant or animal habitats. **Cleanup to restricted-residential use conditions will not pose an ecological threat.**
13. *Potential vulnerability of groundwater to contamination that might emanate from the sites, 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 Sites is assigned Class "GA" by 6NYCRR Part 701.15. Seven (7) groundwater monitoring wells were installed during the RI. Groundwater data obtained during the RI indicates minor exceedance of the GWQS for certain VOCs, SVOCs, and metals at varying location across the Sites. There are no groundwater supply well(s) present on the Sites or noted in the vicinity of the Sites. Regionally, groundwater has not been developed for industrial, commercial, agriculture, or public supply purposes. Potable water service is provided by the local municipal water authority. **The absence of potable wells, wellhead protection and cleanup to restricted-residential use conditions will not pose a threat to drinking water.**
14. *Proximity to flood plains:* US FEMA Flood Insurance Rate Map (FIRM – 3602300020D; revised September 26, 2008) – indicates that a portion of the Site is identified as a Zone AE with a flood elevation of 581 fmsl; and a portion of the Site is identified as a Zone X, which does not have flood elevation established.
15. *Geography and geology:* The Sites are located within the Erie-Ontario lake plain physiographic province, which is typified by little topographic relief and gentle slope toward Lake Erie except in the immediate vicinity of major drainage ways (USDA, 1978). The surficial geology of the Lake Erie Plain consists of a thin glacial till (if present), glacio-lacustrine deposits, recent alluvium, and the soils derived from these deposits. Surface soils within the vicinity of the Sites are described as Urban Land (Ud) with 0-6 percent slopes. This is indicative of the level to gently sloping land with at least 80 percent of the soil surface covered by asphalt, concrete, or other

impervious structures typical of an urban environment. **Geography and geology are consistent with the current and planned redevelopment.**

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 Sites in a mixed use commercial and residential capacity is consistent with current development and zoning around the Sites and does not pose additional environmental or human health risk.

7.5 Comparison of Remedial Alternatives

In addition to the evaluation of the alternatives to remediate the Sites 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; and,
- Alternative 4 – Track 4 Restricted Residential Use Cleanup.

7.5.1 *Alternative 1 - No Action*

Under this alternative, the Sites would remain in their 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 Sites are not fully protective of human health and the environment, based on the presence of elevated

PAHs, PCBs, and metals exceeding RRSCOs in soil/fill, and the absence of institutional controls to prevent more restrictive forms of future Site use (e.g., unrestricted use). Uncontrolled access to the Sites could lead to potential exposure to impacted soil/fill during intrusive work performed at the Sites and workers who are unaware or untrained regarding the contamination.

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 Sites 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 action alternative does not provide long-term effectiveness or permanence, and does not achieve any of the RAOs.

Reduction of Toxicity, Mobility, or Volume with Treatment – The no action alternative does not reduce the toxicity, mobility, or volume of contamination, 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 – 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 to be received from the public in response to Fact Sheets and other planned Citizen Participation activities.

7.5.2 Alternative 2 – Track 1 Unrestricted Use Cleanup

An Unrestricted Use alternative would necessitate remediation of all soil/fill where concentrations exceed the USCOs per 6NYCRR Part 375. For Unrestricted Use scenario, excavation and off-site disposal of impacted soil/fill is generally regarded as the most applicable remedial measure, because institutional controls cannot be used to supplement the remedy. As such, the Unrestricted Use alternative assumes that those areas which exceed USCOs would be excavated and disposed at an off-Site commercial solid waste landfill.

Under this alternative, the Sites would be remediated to Unrestricted Use (Track 1) cleanup, including:

- Excavation and off-site disposal of soil/fill exceeding Part 375 USCOs and backfilling;
- Collection of post-excavation confirmatory samples
- Management of on-Site excavation waters during intrusive activities, if encountered

Exceedances of the USCOs associated with subsurface fill materials, were observed up to 20 fbgs with an average fill thickness of 10 feet. As such, the Unrestricted Use cleanup would require excavation to an average of 10 fbgs. Approximately 87,120 CY (139,400 tons) of soil/fill would require excavation and off-site disposal; and equivalent backfilling.

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. However, this alternative would permanently use and displace valuable landfill airspace, causing ancillary environmental issues due to reduced landfill capacity, and would require excavating, transporting, and placing a similar volume of clean soil from an off-site borrow source to backfill the excavation, also contributing to significant detrimental off-site environmental issues.

Compliance with SCGs – The Unrestricted Use alternative would be performed in accordance with applicable, relevant, and appropriate standards, guidance, and criteria. Excavation of soil to achieve USCOs would satisfy this criterion.

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.

There are several potential short-term impacts associated with this alternative.

- There is potential for impacts to human health (workers and construction personnel) due to direct contact with impacted soil and particulate releases. This alternative would require implementation of a health and safety plan (HASP) and community air monitoring, as outlined in the NYSDOH Generic Community Air Monitoring Plan (CAMP), in order to mitigate potential adverse conditions/short-term impacts. Moreover, significant physical hazards may be encountered due to structural limitations associated with excavations and the proximity of adjacent buildings, utilities, roadways, and the Erie Basin Marina.
- Human health and the environment associated with chemical exposures would be protected under this alternative if the HASP and CAMP are properly implemented. This alternative is expected to meet RAOs at completion of the excavations, because the impacted soil will be removed from the Sites. Confirmatory soil sampling would be performed.

This alternative would significantly increase the duration of time community, workers, and the environment is exposed to on-Site contamination and potential for off-site exposures during remediation.

Implementation – Significant technical and administrative implementation issues would be encountered in completion of the Unrestricted Use alternative. Technical implementation issues include, but are not limited to: shoring/stabilizing of excavation sidewalls to prevent sloughing during the excavation; groundwater and/or stormwater handling, treatment and/or discharge/disposal; and traffic coordination for trucks entering and exiting for both disposal and backfilling. As such, the feasibility of achieving an Unrestricted Use cleanup is highly questionable.

Administrative implementation issues may include: the need to coordinate and secure disposal contracts with numerous permitted off-site landfills as a single location would not be able to be relied upon to accept the volume of soil/fill generated under this alternative; difficulty locating local borrow sources for such a large volume of backfill (over 12,000 truckloads total); and the need for rezoning of the area to allow for Unrestricted Uses (e.g., farming, livestock, single-family residential), which are not consistent with current surrounding land-use or the reasonably anticipated future use of the Sites.

Cost – The capital cost of implementing an Unrestricted Use cleanup alternative is estimated at \$16.3 MM (see Table 7). Annual certification costs would not be incurred.

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.

7.5.3 Alternative 3 – Track 2 Residential Use Cleanup

Under this alternative the Sites would be remediated to achieve 6NYCRR Part 375 Residential Use Cleanup (Track 2), which in general would include: excavation and off-Site disposal of soil/fill exceeding RSCOs across the Sites, implementation of a SMP, and filing

of an environmental easement. Under this alternative, the Sites would be remediated to achieve a Residential Use (Track 2) cleanup, which will include:

- Excavation and removal of soil/fill exceeding RSCOs and nuisance petroleum impacts to a maximum depth of 15 fbgs, with an average depth of 10 fbgs.
- Collection of post-excavation confirmatory samples
- Management of on-Site excavation waters during intrusive activities, as necessary

Based on the historic and RI investigation findings, soil/fill exceeding RSCOs is present on-Site, ranging in depth from 0-20 fbgs associated with the presence of fill material, with the average fill thickness of 10- feet used in evaluating this alternative.

Figure 5 identifies the areas of the Sites that would require excavation and off-site disposal to achieve this alternative. Approximately 37,220 CY (59,555 tons) would be removed from the Sites for this alternative. An equivalent volume of DER-10 compliant backfill would be required to restore the Sites.

On-Site groundwater impacts are mainly attributable to the presence of fill material. After completion of the excavation, and proper handling of excavation waters, no additional groundwater monitoring would be required.

Overall Protection of Public Health and the Environment – This alternative would satisfy the NYSDEC requirements for a Track 2 cleanup under the BCP regulations and would be protective of public health and the environment. The RAOs for the Sites would be satisfied through the planned extent of remedial activities, including: removal and off-site disposal of soil/fill exceeding RSOCs

Compliance with SCGs – This alternative remedial activity 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. This alternative would be fully protective of public health and the environment, and could achieve RAOs for the Sites.

Long-Term Effectiveness and Permanence – Completion of this remedial alternative would provide for long-term effectiveness and permanence. Excavation and off-site disposal of soil/fill exceeding the RSCOs would provide long-term effectiveness and permanence.

Reduction of Toxicity, Mobility, or Volume with Treatment – Through removal of the soil/fill exceeding RSCOs this criteria would be achieved. The SMP will include a Site-wide Inspection and Certification program to assure that the Engineering and Institutional Controls placed on the Sites have not been altered and remain effective. Accordingly, this alternative satisfies this criterion.

Short-Term Effectiveness – The principal advantage of a large-scale excavation to achieve Track 2 RSCOs is reliability of effectiveness in the long-term. However, similar to achieving an Unrestricted Use cleanup, the short-term adverse impacts and risks to the community, workers, and environment during implementation of this alternative are manageable.

Potential short-term impacts associated with this alternative are:

- There is potential for impacts to human health (workers and construction personnel) due to direct contact with impacted soil and particulate releases. This alternative would require implementation of a HASP and community air monitoring, as outlined in the NYSDOH Generic CAMP, in order to mitigate potential adverse conditions/short-term impacts. Additional health and safety measures would need to be employed during excavation activities within the building and under the building slab. Moreover, significant physical hazards may be encountered due to structural limitations associated with deep excavation and the proximity of adjacent buildings, utilities and roadways.
- Human health and the environment associated with chemical exposures would be protected under this alternative if the HASP and CAMP are properly implemented. This alternative is expected to meet RAOs at completion of the excavations, because the impacted soil will be removed from the Sites. Confirmatory soil sampling would be performed.

This alternative would significantly increase the duration of time community, workers, and the environment is exposed to on-Site contamination and potential for off-site exposures during remediation.

Implementation – Similar to the Unrestricted Use cleanup scenario, technical implementation would be a barrier to construction of this alternative. The Sites are planned for commercial-residential redevelopment and a parking ramp. Excavation and off-site disposal is feasible, however, as the Sites are planned for mixed commercial and residential use, the additional cleanup required to achieve Track 2 is considered a significant implementation issue due to the presence of historic fill impacted soil to depths up to 20 fbg with the upper 15 feet requiring remediation. As a Track 2 cleanup does not allow for the use of a cover system, excavation and off-site disposal of approximately 59,550 tons of soil/fill exceeding RSCOs would be required.

Given the location of the Sites, and the required number of dump trucks for disposal and backfill (estimated at 5,500 trucks total) the staging and access to the Sites would likely impact neighboring residential streets/communities. Therefore, implementation of the Track 2 alternative is not considered reasonable given the current and anticipated future use of the Sites.

Cost – The capital cost of implementing a Track 2 Residential Use alternative is estimated at \$7.1 MM (see Table 8). Annual certification costs would not be incurred.

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.

7.5.4 Alternative 4 – Track 4 Restricted-Residential Use Cleanup

Under this alternative, the Sites would be cleaned up to achieve a Track 4 Restricted-Residential Use Cleanup. For Track 4 remedies, restrictions can be placed on the use of the property in the form of IC/ECs if they can be realistically implemented and maintained in a reliable and enforceable manner. For restricted-residential use, the top two (2) feet of all

exposed soils that are not otherwise covered by the components of the development of the Sites (e.g. buildings, asphalt, and concrete) cannot exceed the RRSCOs. Areas that exceed the RRSCOs must be covered by material meeting the requirements of the generic soil cleanup table contained in 6NYCRR Part 375-6.7(d) for restricted-residential future Site use.

Based on recent conversations with the NYSDEC regarding the City of Buffalo's proposed revised streetscape project that affects both BCP parcels, a "clean utility corridor" is included as part of the Track 4 Restricted Residential Use alternative. This utility corridor is necessary to address remaining soil/fill exceeding the RRSCOs that would be otherwise managed beneath the DER-10 compliant cover system in accordance with the SMP. However, in an effort to alleviate potential future soil management and notification issues with municipal- and public- utility providers, a "clean utility corridor" will be excavated adjacent to the future roadways as part of the remedial measures, based on final streetscape plans provided by the municipality. Soil-fill within the clean corridor would be excavated and either disposed off-site or reused on-Site beneath the cover system with Department approval and backfilled with DER-10 approved soil-stone.

Details of the clean corridor will be provided in the Remedial Action Work Plan.

Figure 6 identifies the remedial measures proposed to achieve a Track 4 RRSCO cleanup, and a copy of the City of Buffalo proposed streetscape is provided on Figure 7. This alternative's remedial measures would include:

- 15 La Riviere Drive Site
 - Excavation and removal of "hotspot" PAH-, metals- and PCB-impacted soil/fill.
 - Excavation and removal of soil/fill exceeding CSCOs within the proposed City of Buffalo Streetscape clean utility corridor;
- 20 Wilkeson Way Site
 - Excavation and removal of "hotspot" PAHs and metals impacted soil/fill.
 - Excavation and removal of soil/fill exceeding CSCOs within the proposed City of Buffalo Streetscape clean utility corridor;
- Collection of post-excavation confirmatory samples, in accordance with DER-10.
- Placement of Cover System, in accordance with 6NYCRR Part 375 and NYSDEC DER-10 guidelines. The cover system will include the redevelopment hardscaped areas (asphalt parking lot, concrete walkways and new building(s)) to limit exposure. In non-hardscaped areas, a minimum of 24-inches of approved

clean backfill material meeting the import criteria for restricted residential use sites, in accordance with Appendix 5 of DER-10, will be placed on top of a demarcation layer to identify remaining in-place soil-fill.

- Implementation of a Site Management Plan (SMP). The SMP will include:
 - Institutional Controls and Engineering Controls (IC/EC) Engineering controls include any physical barrier or method employed to actively or passively contain, stabilize, or monitor contaminants; restrict the movement of contaminants; or eliminate potential exposure pathways to contaminants. Institutional controls at the Sites will include groundwater use restrictions and limitations on end use of the Sites to restricted residential or commercial use;
 - An Operation and Maintenance Plan that describes the measures necessary to operate, monitor, and maintain any mechanical components of the remedial work (not considered applicable in this case);
 - Excavation Work Plan to assure that future intrusive activities and soil/fill handling at the Sites are completed in a safe and environmentally responsible manner;
 - Site Monitoring Plan that includes: provisions for a Site-wide inspection program to assure that the IC/ECs have not been altered and remain effective; and,
 - A copy of the Environmental Easement filed with Erie County.

Under this approach approximately 4,900 CY (7,840 tons) of impacted soil/fill would potentially require excavation and off-site disposal. An equivalent volume of DER-10 approved backfill would be required to restore the Sites to grade.

During redevelopment, additional soil management to address excess spoils from excavation activities, including utility and building footer-foundation installation, will require temporary on-Site stockpiling of redevelopment spoils on-Site, in accordance with an approved Soil-Fill Management Plan and/or Stormwater Pollution Prevention Plan (SWPPP) to be prepared along with the RAWP. Accumulated redevelopment spoils will be characterized in accordance with DER-10, and reuse and/or disposal will be discussed with the Department. Upon completion of the remedial excavations and offsite disposal work, and prior to issuance of the Final Engineering Report, the site will require a DER-10 compliant cover system, as described above.

Overall Protection of Public Health and the Environment – This alternative would be protective of public health and the environment, based on the planned remedial activities, including excavation and off-site disposal of hotspot soil/fill, installation of cover system (imported soil and hardscape construction materials) across the Sites, and the use of engineering and institutional controls to prevent potential future exposure. The SMP will include appropriate plans, controls and measures and an environmental easement to ensure the restricted-residential use remedy is protective of human health and the environment. Therefore, this alternative is protective of health and the environment and satisfies the RAOs.

Compliance with SCGs – The planned remedial activities will be performed in accordance with applicable, relevant, and appropriate SCGs. Post-excavation samples would be collected to verify conformance with the cleanup goals, and imported cover material would need to meet backfill criteria per DER-10. Cover placement would be performed under the BCP and require an equivalent SFMP/SWPPP. Subgrade intrusive activities would necessitate adherence with the CAMP, in accordance with Appendices 1A and 1B of DER-10.

The planned remedial activities for this alternative are fully protective of public health and the environment, and achieve RAOs for the Site.

Long-Term Effectiveness and Permanence – Removal of impacted soil/fill and construction of a cover system would prevent direct contact with soil/fill exceeding SCOs/SSALs. Periodic inspection and maintenance of the cover system would be required to assure long-term cover integrity. The SMP will include appropriate plans, controls, measures, and an environmental easement to ensure the restricted use remedy is protective of human health and the environment. The SMP will be followed by the current Site owner as well as future Site owners. Accordingly, this alternative satisfies this criterion.

Reduction of Toxicity, Mobility, or Volume with Treatment – Through the planned remedial measures described above, this criteria will be achieved. The SMP will include an Excavation Work Plan to address any residual material encountered during post-development construction and/or maintenance activities and a Site-wide Inspection and

Certification program to assure that the Engineering and Institutional Controls placed on the Sites have not been altered and remain effective. Accordingly, this alternative satisfies this criterion.

Short-Term Effectiveness – The short-term adverse impacts and risks to the community, workers, and environment during implementation of this Restricted 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. Planned remedial activities will be performed in accordance with an approved work plan, including HASP, CAMP, and redevelopment SFMP/SWPPP. This alternative achieves the RAOs for the Sites.

Implementation – No technical or action-specific administrative implementation issues are associated with the Track 4 Restricted Residential Use Cleanup alternative.

Cost – The capital cost of implementing a Track 4 RRSCO cleanup alternative is estimated at \$3.95 MM (see Table 9). Annual certification costs would be incurred.

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 Comparison of Remedial Alternatives

The previous section describes and evaluates the remedial alternatives for the 15 La Riviere Drive and 20 Wilkeson Way Sites against the screening criteria. Table 10 provides a comparison of the remedial alternatives to the screening criteria to identify appropriate remedial measures that will achieve the RAOs for the Sites.

7.7 Recommended Remedial Measure

Based on the alternatives evaluation, as described above, the proposed remedial approach for the Sites is a Track 4 Restricted Residential Use Cleanup. A Track 4 Restricted

Residential Use cleanup would be fully protective of public health and the environment, is significantly less disruptive to the surrounding community, is consistent with current and future land use, and represents a cost-effective approach that fully satisfies the RAOs for the Sites.

The components and details of the remedial approach will be more fully described in a Remedial Action Work Plan to be submitted to the NYSDEC for approval. In summary, this alternative would involve:

- 15 La Riviere Drive Site
 - Excavation and removal of “hotspot” PAH-, metals- and PCB-impacted soil/fill.
 - Excavation and removal of soil/fill exceeding CSCOs within the proposed City of Buffalo Streetscape clean utility corridor.
- 20 Wilkeson Way Site
 - Excavation and removal of “hotspot” PAH-, and metals impacted soil/fill.
 - Excavation and removal of soil/fill exceeding CSCOs within the proposed City of Buffalo Streetscape clean utility corridor.
- Collection of post-excavation confirmatory samples, in accordance with DER-10.
- Placement of Cover System, in accordance with 6NYCRR Part 375 and NYSDEC DER-10 guidelines. The cover system will include the redevelopment hardscaped areas (asphalt parking lot, concrete walkways and new building) to limit exposure. In non-hardscaped areas, a minimum of 24-inches of approved clean backfill material meeting the import criteria for restricted residential use sites, in accordance with Appendix 5 of DER-10, will be placed on top of a demarcation layer to identify remaining in-place soil-fill.
- Implementation of a Site Management Plan (SMP). The SMP will include:
 - **Institutional Controls (IC)** Engineering controls include any physical barrier or method employed to actively or passively contain, stabilize, or monitor contaminants; restrict the movement of contaminants; or eliminate potential exposure pathways to contaminants. Institutional controls at the site will include groundwater use restrictions and use restrictions of the Site to restricted residential use.
 - **Excavation Work Plan** to assure that future intrusive activities and soil/fill handling at the Sites are completed in a safe and environmentally responsible manner;

- 0 **Site Monitoring Plan** that includes: provisions for a Site-wide inspection program to assure that the ICs have not been altered and remain effective; and,
- 0 **Environmental Easement** filed with Erie County.

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 surface soil/fill data, no PCBs, pesticides, herbicides, were detected above RRSCOs. Certain PAHs and metals were detected above their respective RRSCO associated with the overburden soil/fill material.
- Based on the subsurface soil/fill data, no VOCs, pesticides, or herbicides were detected above RRSCOs. Certain PAHs, PCBs, and metals were detected above their respective RRSCOs. Nuisance petroleum impacts were detected at one location.
- Based on the groundwater data, no PCBs, pesticides, or herbicides were detected above GWQS. Certain VOCs, SVOCs, and metals were detected slightly above GWQS, however the metals were primarily limited to naturally occurring minerals. Furthermore, municipally supplied potable water is available, and on-Site groundwater is not used for potable or other purposes.
- Given the nature and extent of contamination present in shallow soil/fill and groundwater, and the long history of commercial/industrial use, it is not reasonably practicable to remediate the property to pre-release (Unrestricted Use) or Track 2 Restricted-Residential conditions.

Based on the Alternatives Analysis, a Track 4 RRSCO cleanup would achieve the Sites RAOs and is the selected remedy (see Table 10).

Components of the remedial measures to achieve the selected remedy include:

- **Excavation and offsite disposal of impacted soil/fill including:**
 - 15 La Riviere Drive Site
 - Excavation and removal of “hotspot” PAH-, metals- and PCB-impacted soil/fill.
 - Excavation and removal of soil/fill exceeding CSCOs within the proposed City of Buffalo Streetscape clean utility corridor.
 - 20 Wilkeson Way Site
 - Excavation and removal of “hotspot” PAH-, and metals impacted soil/fill.
 - Excavation and removal of soil/fill exceeding CSCOs within the proposed City of Buffalo Streetscape clean utility corridor.

- **Collection of post-excavation confirmatory samples**, in accordance with DER-10.
- **Placement of Cover System**, in accordance with 6NYCRR Part 375 and NYSDEC DER-10 guidelines. The cover system will include the redevelopment hardscaped areas (asphalt parking lot, concrete walkways and new building) to limit exposure. In non-hardscaped areas, a minimum of 24-inches of approved clean backfill material meeting the import criteria for restricted residential use sites, in accordance with Appendix 5 of DER-10, will be placed on top of a demarcation layer to identify remaining in-place soil-fill.
- **Implementation of a Site Management Plan (SMP)**. The SMP will include:
 - **Institutional Controls (IC)** Engineering controls include any physical barrier or method employed to actively or passively contain, stabilize, or monitor contaminants; restrict the movement of contaminants; or eliminate potential exposure pathways to contaminants. Institutional controls at the site will include groundwater use restrictions and use
 - **Excavation Work Plan** to assure that future intrusive activities and soil/fill handling at the Sites are completed in a safe and environmentally responsible manner;
 - **Site Monitoring Plan** that includes: provisions for a Site-wide inspection program to assure that the ICs have not been altered and remain effective; and,
 - **Environmental Easement** filed with Erie County.

9.0 REFERENCES

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12. *Buffalo Green Code, Land Use Plan.* Prepared for The City of Buffalo, Mayor's Office of Strategic Planning, September 2016.
13. *Buffalo Green Code, Unified Development Ordinance.* Prepared for The City of Buffalo, Mayor's Office of Strategic Planning, December 2016.

TABLES



TABLE 1



SUMMARY OF REMEDIAL INVESTIGATION SAMPLING AND ANALYSIS PROGRAM

REMEDIAL INVESTIGATION / ALTERNATIVES ANALYSIS REPORT

15 LA RIVIERE DRIVE & 20 WILKESON WAY SITES

BUFFALO, NEW YORK

Sample Identifier	Data Source	Depth Sampled/ Screened (fbgs)	Analysis							Date Collected
			TCL VOCs + CP-51	TCL SVOCs	TAL Metals	RCRA Metals	PCBs	Pesticides	Herbicides	
Surface Soil/Fill										
SS-1	Remedial Investigation	0.0 - 0.5		X	X		X	X	X	11/17/2015
SS-2	Remedial Investigation	0.0 - 0.5		X	X		X	X	X	11/17/2015
SS-3	Remedial Investigation	0.0 - 0.5		X	X		X	X	X	11/17/2015
SS-4	Remedial Investigation	0.0 - 0.5		X	X		X	X	X	11/17/2015
SS-5	Remedial Investigation	0.0 - 0.5		X	X		X	X	X	11/17/2015
SS-6	Remedial Investigation	0.0 - 0.5		X	X		X	X	X	11/17/2015
SS-7	Remedial Investigation	0.0 - 0.5		X	X		X	X	X	11/18/2015
SS-8	Remedial Investigation	0.0 - 0.5		X	X		X	X	X	11/17/2015
SS-9	Remedial Investigation	0.0 - 0.5		X	X		X	X	X	11/17/2015
Subsurface Soil/Fill										
TP-1	Phase II Investigation	1.5-3.5		X		X				04/05/2013
TP-6	Phase II Investigation	4-6		X		X				04/05/2013
TP-8	Phase II Investigation	4-6		X		X				04/05/2013
TP-10	Phase II Investigation	4-6		X		X				04/05/2013
TP-11	Phase II Investigation	5-7		X		X				04/05/2013
TP-12	Remedial Investigation	6-7	X	X	X		X	X	X	07/30/2015
TP-13	Remedial Investigation	1.5-5	X	X	X		X	X	X	07/30/2015
TP-14	Remedial Investigation	4-7	X	X	X		X	X	X	07/30/2015
TP-15	Remedial Investigation	0.5-5	X	X	X		X	X	X	07/30/2015
TP-15	Remedial Investigation	5-11	X	X	X		X	X	X	07/30/2015
TP-16	Remedial Investigation	0.5-5	X	X	X		X	X	X	07/30/2015
TP-17	Remedial Investigation	2.5-3.5		X	X		X			07/30/2015
SB-1	Phase II Investigation	2-4		X		X				04/02/2013
SB-2	Phase II Investigation	10-12	X	X		X				04/01/2013
SB-7	Phase II Investigation	4-6	X	X		X				04/03/2013
SB-10	Phase II Investigation	8-10	X	X		X				04/05/2013
SB-11	Phase II Investigation	2-4		X		X				04/03/2013
SB-12	Supplemental Phase II Investigation	8-10	X	X		X				07/20/2013
SB-13	Supplemental Phase II Investigation	14-16	X	X		X				07/20/2013
SB-15	Supplemental Phase II Investigation	8-14	X	X		X				07/20/2013
SB-16	Supplemental Phase II Investigation	9-12	X	X		X				07/20/2013
SB-17	Remedial Investigation	1-6		X	X		X	X	X	07/31/2015
SB-18	Remedial Investigation	1-8.5	X	X	X		X	X	X	07/31/2015
SB-19	Remedial Investigation	1-4		X	X					07/31/2015
SB-20	Remedial Investigation	1-6		X	X					07/31/2015
SB-21	Remedial Investigation	2-4	X	X	X		X	X	X	07/31/2015
SB-21	Remedial Investigation	18-20	X	X	X		X			07/31/2015
SB-22	Remedial Investigation	3-9		X	X					07/31/2015
SB-23	Remedial Investigation	4-8		X	X					07/31/2015



TABLE 1



SUMMARY OF REMEDIAL INVESTIGATION SAMPLING AND ANALYSIS PROGRAM

REMEDIAL INVESTIGATION / ALTERNATIVES ANALYSIS REPORT

15 LA RIVIERE DRIVE & 20 WILKESON WAY SITES

BUFFALO, NEW YORK

Sample Identifier	Data Source	Depth Sampled/ Screened (fbgs)	Analysis							Date Collected
			TCL VOCs + CP-51	TCL SVOCs	TAL Metals	RCRA Metals	PCBs	Pesticides	Herbicides	
SB-24	Remedial Investigation	3.5-8		X	X					07/31/2015
SB-25	Remedial Investigation	2-5	X	X	X		X	X	X	07/31/2015
SB-26	Remedial Investigation	4-8		X	X		X	X	X	07/31/2015
BCP-MW-1	Remedial Investigation	4 - 6		X	X		X	X	X	11/16/2015
BCP-MW-2	Remedial Investigation	5.5 - 7.5		X	X		X	X	X	11/16/2015
BCP-MW-3	Remedial Investigation	2 - 6		X	X		X	X	X	11/16/2015
BCP-MW-4	Remedial Investigation	12 - 16	X	X	X		X	X	X	11/16/2015
BCP-MW-5	Remedial Investigation	6 - 8	X	X	X		X	X	X	11/17/2015
BCP-MW-6	Remedial Investigation	2 - 4		X	X		X	X	X	11/16/2015
BCP-MW-7	Remedial Investigation	4 - 6		X	X		X	X	X	11/16/2015
BCP-MW-8	Remedial Investigation	8 - 12		X	X					11/16/2015
Groundwater										
BCP-MW-1	Remedial Investigation		X	X	X		X	X	X	12/15/2015
BCP-MW-2	Remedial Investigation		X	X	X		X	X	X	12/15/2015
BCP-MW-3	Remedial Investigation		X	X	X					12/15/2015
BCP-MW-4	Remedial Investigation		X	X	X					12/15/2015
BCP-MW-5	Remedial Investigation		X	X	X					12/15/2015
BCP-MW-6	Remedial Investigation		X	X	X					12/17/2015
BCP-MW-7	Remedial Investigation		X	X	X		X	X	X	12/17/2015
BCP-MW-8	Remedial Investigation		X	X	X		X	X	X	12/16/2015
B/MW-1	Remedial Investigation		X	X	X		X	X	X	12/16/2015
B/MW-2	Remedial Investigation		X	X	X		X	X	X	12/16/2015
B/MW-3	Remedial Investigation		X	X	X		X	X	X	12/16/2015
B/MW-4	Remedial Investigation		X	X	X		X	X	X	12/16/2015
Soils			Totals:	19	49	35	14	29	27	27
Grounwater			Totals:	12	12	12	0	8	8	8



TABLE 2A
SUMMARY OF HISTORIC SOIL ANALYTICAL RESULTS - 15 LA RIVIERE DRIVE SITE
REMEDIAL INVESTIGATION / ALTERNATIVES ANALYSIS REPORT
15 LA RIVIERE DRIVE & 20 WILKESON WAY SITES
BUFFALO, NEW YORK

PARAMETER ¹	Unrestricted Use SCOs ²	Restricted Residential Use SCOs ²	Commercial Use SCOs ²	Sample Date & Location (Depth)																				
				B-1, S-6 (10-12)	B-3, S-5 (8-10)	B-5, S-5 (8-10)	B-1 & B-5, S-1 (Comp.) (0-2)	B-1, S-4 & B-5, S-3 (Comp.) (4-8)	B-1, S-6 & B-3, S-5 (Comp.) (8-12)	B-4, S-6 (10-12)	B-4, S-13 (24-26)	B-8, S-10 (18-20)	B-5 Surface Sample	B-5 Fill Sample	B-9, S-5 (8-10)	B-9, S-6 (10-12)	MW-1, S-3 & 4 (5-8)	MW-1, S-4 (6-8)	MW-2, S-2 & 3 (3-5)	MW-2, S-3 (4-5)	MW-4 Surface Sample	MW-4 Fill Sample	TP-06 (4-6)	TP-08 (4-6)
				4/14/1998						6/1/1998		6/2/1998	8/27/1998											4/5/2013
Volatile Organic Compounds (VOCs) - mg/kg ³																								
Acetone	0.05	100	500	ND	ND	--	--	--	--	--	--	--	0.052	ND	0.033 J	0.05 J	ND	ND	ND	ND	ND	ND	--	--
Carbon disulfide	--	--	--	ND	ND	--	--	--	--	--	--	--	ND	ND	ND	ND	ND	0.002 J	ND	ND	ND	ND	--	--
Methylene chloride	0.05	100	500	0.009 B	0.009 B	--	--	--	--	--	--	--	ND	ND	0.007 B	0.008 B	ND	0.008 B	ND	0.01 B	ND	ND	--	--
Naphthalene	--	--	--	--	--	--	0.122 J	0.079 J	ND	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--
Toluene	0.7	100	500	ND	0.001 J	--	--	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--
Total Xylenes	0.26	100	500	ND	ND	--	--	--	--	--	--	--	ND	ND	0.003 J	0.003 J	ND	ND	ND	0.002 J	ND	ND	--	--
Semi-Volatile Organic Compounds (SVOCs) - mg/kg ³																								
2-Methylnaphthalene	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.252 J	0.252 J	ND	ND	0.19 J	0.74
Acenaphthene	20	100	500	--	--	ND	0.275 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.122 J	0.122 J	0.633	0.633	ND	ND	ND	1.1
Acenaphthylene	100	100	500	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.242 J	0.242 J	0.29 J	0.29 J	ND	ND	ND	0.69
Anthracene	100	100	500	--	--	ND	0.6	0.203 J	ND	ND	ND	ND	ND	ND	ND	ND	0.87	0.87	1.467	1.467	ND	ND	0.059 J	3.1
Benzo(a)anthracene	1	1	5.6	--	--	ND	0.957	0.496	ND	ND	ND	ND	0.066 J	ND	ND	ND	3.3	3.3	4.203	4.203	ND	ND	0.2	6.4
Benzo(a)pyrene	1	1	1	--	--	ND	0.749	0.419	ND	ND	ND	ND	0.07 J	ND	ND	ND	2.83	2.83	4.47	4.47	ND	ND	0.15 J	5.2
Benzo(b)fluoranthene	1	1	5.6	--	--	ND	0.527	0.306 J	ND	ND	ND	ND	0.067 J	ND	ND	ND	3.48	3.48	4.64	4.64	ND	ND	0.23	6.6
Benzo(ghi)perylene	100	100	500	--	--	ND	0.879	0.478	ND	ND	ND	ND	ND	ND	ND	ND	0.718	0.718	1.26	1.26	ND	ND	0.12 J	3.3
Benzo(k)fluoranthene	0.8	3.9	56	--	--	ND	0.535	0.314 J	ND	ND	ND	ND	0.078 J	ND	ND	ND	2.63	2.63	4.88	4.88	ND	ND	0.071 J	2.5
Bis(2-ethylhexyl) phthalate	--	--	--	--	--	0.07 J	0.152 J	0.138 J	0.095 J	0.079 J	0.085 J	0.087 J	0.123 J	ND	0.087 J	0.087 J	0.202 J	0.202 J	0.169 J	0.169 J	0.204 J	ND	ND	ND
Carbazole	--	--	--	--	--	ND	0.234 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.172 J	0.172 J	0.578	0.578	ND	ND	ND	ND
Chrysene	1	3.9	56	--	--	ND	0.911	0.516	ND	ND	ND	ND	0.077 J	ND	ND	ND	3.19	3.19	4.11	4.11	ND	ND	0.29	6.1
Dibenzo(a,h)anthracene	0.33	0.33	0.56	--	--	ND	0.499	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.539	0.539	0.763	0.763	ND	ND	ND	0.72
Dibenzofuran	7	59	350	--	--	ND	0.167 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.125 J	0.125 J	0.423	0.423	ND	ND	ND	ND
Fluoranthene	100	100	500	--	--	0.078 J	1.24	0.565	ND	ND	ND	ND	0.115 J	ND	ND	ND	5.8	5.8	5.708	5.708	0.09 J	ND	0.36	11
Fluorene	30	100	500	--	--	ND	0.343	0.092 J	ND	ND	ND	ND	ND	ND	ND	ND	0.295 J	0.295 J	0.64	0.64	ND	ND	ND	1.6
Indeno(1,2,3-cd)pyrene	0.5	0.5	5.6	--	--	ND	0.931	0.388	ND	ND	ND	ND	ND	ND	ND	ND	0.85	0.85	1.33	1.33	ND	ND	0.16	3.4
Naphthalene	12	100	500	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.353	0.353	ND	ND	0.14 J	1.3
Phenanthrene	100	100	500	--	--	0.076 J	2.19	0.44	0.143 J	ND	ND	ND	0.078 J	ND	ND	ND	3.68	3.68	4.82	4.82	ND	ND	0.34	11
Pyrene	100	100	500	--	--	0.085 J	2.68	1.3	0.2 J	ND	ND	ND	0.099 J	ND	ND	ND	5.75	5.75	7.354 D	7.354 D	0.076 J	ND	0.32	9.5
Total PAHs	--	--	500	--	--	0.309 J	13.468 J	5.655 J	0.438 J	0.079 J	0.085 J	0.087 J	0.773 J	ND	0.087 J	0.087 J	34.498 J	34.498 J	47.09 J	47.09 J	0.37 J	ND	2.44 J	73.51
RCRA Metals - mg/kg																								
Arsenic	13	16	16	--	--	1.54	6.57	6.34	6.63	1.42	3.07	2.1	5.93	3.65	--	--	2.23	--	7.32	--	5.48	5.02	13	13
Barium	350	400	400	--	--	28.9	2852	348	49.6	4.73	88.8	2.76	42.5	55.4	--	--	29.4	--	152	--	27.4	106	1500	620
Cadmium	2.5	4.3	9.3	--	--	ND	ND	ND	ND	ND	ND	ND	2.21	1.5	--	--	142	--	1.94	--	1.78	2.72	9.6	1.2
Chromium	30	180	1500	--	--	5.4	34	6.99	7	2.5	15.4	7.69	12	8.56	--	--	4.35	--	8.49	--	9.6	21.2	18	32
Lead	63	400	1000	--	--	8.87	70.9	333	122	ND	6.91	ND	18.4	104	--	--	32.9	--	690	--	14.6	12	3300	980
Mercury	0.18	0.81	2.8	--	--	0.052	0.223	0.614	0.14	ND	0.014	ND	0.196	0.253	--	--	0.08	--	0.795	--	0.049	ND	0.2	3.1
Selenium	3.9	180	1500	--	--	0.375	0.43	1.14	0.77	0.345	0.432	0.325	0.511	0.61	--	--	0.382	--	ND	--	ND	1.28	0.56 J	1
Silver	2	180	1500	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	ND	--	ND	--	ND	ND	0.36 J	0.24 J

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 or parameter not analysed.
J = Estimated value; result is less than the sample quantitation limit but greater than zero.
B = Compound was found in the associated blank as well as the sample.
D = Compounds were identified in an analysis at the secondary dilution factor.

Bold	= Result exceeds Unrestricted use SCOs.
Bold	= Result exceeds Restricted-Residential use SCOs.
Bold	= Result exceeds Commercial use SCOs.



TABLE 2B
SUMMARY OF HISTORIC SOIL ANALYTICAL RESULTS - 20 WILKESON WAY SITE
REMEDIAL INVESTIGATION / ALTERNATIVES ANALYSIS REPORT
15 LA RIVIERE DRIVE & 20 WILKESON WAY SITES
BUFFALO, NEW YORK

PARAMETER ¹	Unrestricted Use SCOs ²	Restricted Residential UseSCOs ²	Commercial Use SCOs ²	Sample Date & Location (Depth)											
				SB-01 (2-4)	SB-02 (10-12)	SB-07 (4-6)	SB-10 (8-10)	SB-11 (2-4)	SB-12 (8-10)	SB-13 (14-16)	SB-15 (8-14)	SB-16 (9-12)	TP-01 (1.5-3.5)	TP-10 (4-6)	TP-11 (5-7)
				4/2/2013	4/1/2013	4/3/2013	4/5/2013	4/3/2013	7/20/2013				4/5/2013		
Volatile Organic Compounds (VOCs) - mg/Kg ³															
1,1-Dichloroethene	0.33	100	500	--	ND	ND	ND	--	ND	ND	ND	0.00098 J			--
1,2,4-Trimethylbenzene	3.6	52	190	--	ND	ND	0.012	--	ND	ND	ND	ND	--	--	--
1,3,5-Trimethylbenzene	8.4	52	190	--	ND	ND	0.025 J	--	ND	ND	ND	ND	--	--	--
2-Butanone (MEK)	0.12	100	500	--	0.014	0.0019 J	ND	--	ND	ND	ND	0.0074 J	--	--	--
Acetone	0.05	100	500	--	0.074	0.015	ND	--	ND	ND	ND	ND	--	--	--
Benzene	0.06	4.8	44	--	ND	ND	0.00032 J	--	0.00029 J	ND	ND	ND	--	--	--
Carbon disulfide	--	--	--	--	ND	ND	ND	--	ND	ND	ND	0.0028 J	--	--	--
Cyclohexane	--	--	--	--	ND	ND	ND	--	ND	0.0052 J	ND	ND	--	--	--
Ethylbenzene	1	41	390	--	ND	ND	0.00078 J	--	ND	ND	ND	ND	--	--	--
Isopropylbenzene (Cumene)	--	--	--	--	ND	ND	0.00098 J	--	ND	ND	ND	ND	--	--	--
Methylcyclohexane	--	--	--	--	ND	ND	0.024 J	--	ND	0.0047 J	ND	ND	--	--	--
Methylene chloride	0.05	100	500	--	ND	ND	ND	--	ND	ND	0.011 J	0.0054 J	--	--	--
n-Butylbenzene	12	--	--	--	ND	ND	0.0015	--	ND	ND	ND	ND	--	--	--
n-Propylbenzene	3.9	100	500	--	ND	ND	0.016	--	ND	ND	ND	ND	--	--	--
p-Isopropyltoluene	--	--	--	--	ND	ND	0.013	--	ND	ND	ND	ND	--	--	--
sec-Butylbenzene	11	100	500	--	ND	ND	0.00086 J	--	ND	ND	ND	ND	--	--	--
Toluene	0.7	100	500	--	ND	0.042 J	0.00043 J	--	0.00096 J	ND	0.0003 J	ND	--	--	--
trans-1,2-Dichloroethene	0.19	100	500	--	ND	ND	ND	--	ND	ND	ND	0.055	--	--	--
Trichloroethene	0.47	21	200	--	ND	ND	ND	--	ND	0.0017	0.00092 J	0.026	--	--	--
Vinyl chloride	0.02	0.9	13	--	ND	ND	ND	--	ND	ND	ND	0.022	--	--	--
Total Xylenes	0.26	100	500	--	ND	ND	0.0036	--	ND	ND	ND	ND	--	--	--
Semi-Volatile Organic Compounds (SVOCs) - mg/Kg ³															
2-Methylnaphthalene	--	--	--	0.14 J	0.35	ND	ND	0.17 J	0.44	ND	ND	3.4 J	ND	0.55	1.6
Acenaphthene	20	100	500	0.098 J	0.15 J	ND	ND	ND	0.79	ND	ND	18	0.11 J	0.8	ND
Acenaphthylene	100	100	500	ND	ND	ND	ND	0.16	0.11 J	ND	ND	ND	0.18	0.3	0.52
Anthracene	100	100	500	ND	0.26	0.052 J	ND	0.64	1.4	0.068 J	ND	48	0.49	2.5	1.1
Benzo(a)anthracene	1	1	5.6	ND	0.61	0.16	ND	1.1	2.5	0.15	ND	64	1.6	5	3.5
Benzo(a)pyrene	1	1	1	ND	0.54	0.12 J	ND	0.92	2.4	0.11 J	ND	54	1.3	4.1	2.8
Benzo(b)fluoranthene	1	1	5.6	ND	0.7	0.15	ND	1.2	2.3	0.16	ND	51	1.7	5.3	3.8
Benzo(ghi)perylene	100	100	500	ND	0.36	0.076 J	ND	0.58	1.4	0.078 J	ND	29	0.82	2.4	2
Benzo(k)fluoranthene	0.8	3.9	56	ND	0.28	0.06 J	ND	0.42	1.9	0.057 J	ND	40	0.56	1.8	1.3
Bis(2-ethylhexyl) phthalate	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.095 J	0.079 J	0.085 J
Chrysene	1	3.9	56	ND	0.64	0.16	ND	1.2	2.8	0.15	ND	58	1.5	4.5	3.2
Dibenz(a,h)anthracene	0.33	0.33	0.56	ND	0.09 J	ND	ND	0.13	0.38	ND	ND	5 J	0.24	0.76	0.46
Fluoranthene	100	100	500	0.037 J	1.2	0.29	ND	2.4	7.4	0.27	ND	180	2.8	12	5.4
Fluorene	30	100	500	ND	0.18 J	ND	ND	0.45	0.96	ND	ND	22	0.14 J	1.3	0.38 J
Indeno(1,2,3-cd)pyrene	0.5	0.5	5.6	0.065 J	0.43	0.13 J	ND	0.67	5.6	0.12 J	ND	38	0.9	2.5	2.1
Naphthalene	12	100	500	1.5	0.24	ND	ND	0.26	1.5	ND	ND	7.2 J	0.08 J	0.76	1.2
Phenanthrene	100	100	500	ND	0.99	0.25	ND	2.2	7.2	0.24	ND	160	1.3	8.2	3.6
Pyrene	100	100	500	ND	1	0.26	ND	2	ND	0.21	ND	130	2.8	7.3	4.4
Total PAHs	--	--	500	1.7 J	7.67 J	1.708 J	ND	14.33 J	38.64 J	1.613 J	ND	904.2 J	16.52 J	59.52 J	35.76 J
RCRA Metals - mg/Kg															
Arsenic	13	16	16	7.5	7.4	4.6	1	5.8	15	2.9	0.91	14	3.9	10	33
Barium	350	400	400	59	93	56	9.8	70	47	84	6.7	240	50	61	86
Cadmium	2.5	4.3	9.3	ND	ND	0.11 J	ND	0.22 J	0.47 J	0.42 J	0.14 J	0.5	0.06 J	0.27 J	0.74
Chromium	30	180	1500	11	9.7	7.2	2.7	14	4.5	11	2.6	8.3	5.9	14	12
Lead	63	400	1000	110	200	34	3.2	69	13	88	3.3	66	61	160	180
Mercury	0.18	0.81	2.8	0.03 J	0.82	0.12	ND	0.23	ND	ND	ND	0.09 J	0.57	0.41	0.48
Selenium	3.9	180	1500	0.74 J	0.83 J	1.1	0.23 J	0.94	0.42 J	0.49 J	ND	0.54 J	0.5 J	1.8	1.3
Silver	2	180	1500	0.1 J	0.19 J	ND	ND	0.12 J	ND	ND	ND	ND	0.1 J	0.12 J	0.12 J

- Notes:
- Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
 - Values per NYSDEC Part 375 Soil Cleanup Objectives (SCOs).
 - 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 or parameter not analysed.

J = Estimated value; result is less than the sample quantitation limit but greater than zero.

Bold	= Result exceeds Unrestricted use SCOs.
Bold	= Result exceeds Restricted-Residential use SCOs.
Bold	= Result exceeds Commercial use SCOs.



TABLE 3

SUMMARY OF REMEDIAL INVESTIGATION SURFACE SOIL ANALYTICAL RESULTS

REMEDIAL INVESTIGATION / ALTERNATIVES ANALYSIS REPORT

15 LA RIVIERE DRIVE & 20 WILKESON WAY SITES

BUFFALO, NEW YORK



PARAMETER ¹	Unrestricted Use SCOs ²	Restricted Residential Use SCOs ²	Commercial Use SCOs ²	SAMPLE LOCATION (DEPTH)								
				SS-01 (0.0-0.5')	SS-02 (0.0-0.5')	SS-03 (0.0-0.5')	SS-04 (0.0-0.5')	SS-05 (0.0-0.5')	SS-06 (0.0-0.5')	SS-07 (0.0-0.5')	SS-08 (0.0-0.5')	SS-09 (0.0-0.5)'
				20 Wilkeson Way Site			15 La Riviere Drive Site			Parcel 1A		
				11/17/2015			11/18/2015			11/17/2015		
Semi-Volatile Organic Compounds (SVOCs) - mg/Kg ³												
Acenaphthene	20	100	500	ND	ND	0.07 J	ND	ND	ND	ND	ND	ND
Acenaphthylene	100	100	500	ND	ND	0.064 J	ND	ND	ND	ND	ND	ND
Anthracene	100	100	500	0.095 J	0.1 J	0.21	ND	0.086	ND	0.046 J	ND	ND
Benzaldehyde	--	--	--	0.12 J	ND	ND	ND	0.098 J	ND	ND	ND	0.087 J
Benzo(a)anthracene	1	1	5.6	0.54	0.42	0.65	0.053 J	0.36	0.091 J	0.14	0.14	0.086
Benzo(a)pyrene	1	1	1	0.66	0.5	0.7	0.093 J	0.39	0.14 J	0.18	0.18	0.14 J
Benzo(b)fluoranthene	1	1	5.6	0.92	0.68	0.97	0.11 J	0.47	0.17	0.22	0.21	0.16
Benzo(ghi)perylene	100	100	500	0.58	0.38	0.49	ND	0.27	0.07 J	0.096 J	0.084 J	0.065 J
Benzo(k)fluoranthene	0.8	3.9	56	0.37	0.29	0.33	ND	0.21	0.049 J	0.067 J	0.063 J	0.046 J
Bis(2-ethylhexyl) phthalate	--	--	--	ND	ND	ND	0.14 J	0.19 J	0.17 J	0.19 J	0.17 J	0.15 J
Carbazole	--	--	--	0.14 J	0.099 J	0.12 J	ND	0.051 J	ND	ND	ND	ND
Chrysene	1	3.9	56	0.63	0.49	0.69	0.044 J	0.33	0.086 J	0.12 J	0.12 J	0.08 J
Dibenzo(a,h)anthracene	0.33	0.33	0.56	0.14	0.086 J	0.11 J	0.042 J	0.095 J	0.051 J	0.061 J	0.059 J	0.052 J
Fluoranthene	100	100	500	1.3	0.92	1.4	0.088 J	0.71	0.2	0.3	0.3	ND
Fluorene	30	100	500	ND	ND	0.07 J	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.5	0.5	5.6	0.65	0.42	0.54	0.12 J	0.37	0.17	0.2	0.19	0.16 J
Phenanthrene	100	100	500	0.53	0.45	0.78	ND	0.32	0.073 J	0.12 J	0.15	0.07 J
Phenol	0.33	100	500	0.11 J	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	100	100	500	0.97	0.75	1.2	0.072 J	0.55	0.15	0.22	0.23	0.14
Polychlorinated biphenyls (PCBs) - mg/Kg ³												
Aroclor 1254	--	--	--	ND	ND	0.00876 J	ND	ND	ND	ND	ND	ND
Aroclor 1260	--	--	--	ND	ND	0.0142 J	0.0189 J	0.0421 J	0.0128 J	ND	0.0664	0.0141
Total PCBs	0.1	1	1	ND	ND	0.02296 J	0.0189 J	0.0421 J	0.0128 J	ND	0.0664	0.0141 J
Pesticides and Herbicides - mg/Kg ³												
4,4'-DDD	0.0033	13	92	ND	ND	ND	0.0062	0.00215	0.00167 J	0.00142 J	ND	ND
4,4'-DDE	0.0033	8.9	62	0.00424	0.0019 J	0.0104	0.117	0.0395	0.0615	0.0485	0.00169 J	0.00777
4,4'-DDT	0.0033	7.9	47	0.00652	0.00405 J	0.017	0.0765	0.0269	0.0345	0.0216	0.00606	0.00723 PI
Dieldrin	0.006	0.2	1.4	ND	ND	ND	0.000829 JPI	0.00123 JPI	ND	ND	0.00369 P	0.00108 JPI
Heptachlor epoxide	--	--	--	ND	ND	ND	0.00171 J	ND	ND	ND	ND	ND
Metals - mg/Kg												
Aluminum	--	--	--	11000	6500	8800	10000	9100	8700	7500	12000	8000
Arsenic	13	16	16	12	4.2	4	8	9.6	6.3	6.4	10	7.8
Barium	350	400	400	89	54	71	48	56	42	49	71	52
Beryllium	7.2	14	590	0.537	0.36 J	0.44 J	0.4 J	0.43 J	0.36 J	0.37 J	0.596	0.36 J
Cadmium	2.5	4.3	9.3	ND	0.07 J	ND	ND	ND	ND	ND	ND	ND
Calcium	--	--	--	6800	12000	7700	13000	6800	4600	8500	4200	8700
Chromium	30	180	1500	15	12	16	11	12	11	11	15	11
Cobalt	--	--	--	8.7	3.8	5.1	6.9	6.5	6.9	7.8	7.1	5.9
Copper	50	270	270	18	19	20	27	29	25	26	18	21
Iron	--	--	--	22000	10000	13000	17000	17000	16000	16000	21000	16000
Lead	63	400	1000	22	43	40	14	25	14	27	19	13
Magnesium	--	--	--	4100	5500	4200	2800	3700	2500	4200	2800	3200
Manganese	1600	2000	10000	490	220	570	650	420	410	510	400	320
Mercury	0.18	0.81	2.8	0.08 J	0.3	0.13	0.34	0.21	0.14	0.13	0.08 J	0.06 J
Nickel	30	140	310	18	9.4	12	16	16	17	18	18	15
Potassium	--	--	--	0.97	780	690	550	560	570	580	1000	610
Selenium	3.9	180	1500	ND	0.82 J	0.8 J	ND	ND	ND	0.46 J	ND	ND
Sodium	--	--	--	53 J	49 J	59 J	120 J	50 J	38 J	42 J	39 J	43 J
Thallium	--	--	--	ND	ND	ND	ND	ND	ND	1.8 J	ND	ND
Vanadium	--	--	--	19	12	16	18	16	16	15	20	15
Zinc	109	2200	10000	95	75	100	66	80	67	82	81	66

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 6NYCRR 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.

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

P = The relative percent difference (RPD) between the results for the two columns exceeds the method-specified criteria.

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



TABLE 4
SUMMARY OF REMEDIAL INVESTIGATION SUBSURFACE SOIL ANALYTICAL RESULTS
REMEDIAL INVESTIGATION / ALTERNATIVE ANALYSIS REPORT
15 LA RIVIERE DRIVE & 20 WILKESON WAY SITE
BUFFALO, NEW YORK

PARAMETER ¹	Unrestricted Use SCOs ²	Restricted Residential Use SCOs ²	Commercial Use SCOs ²	SAMPLE LOCATION (DEPTH)																											
				BCP-MW-1 (4-6")	BCP-MW-2 (5.5-7.5")	BCP-MW-3 (2-6")	BCP-MW-4 (12-16")	BCP-MW-5 (6-8")	BCP-MW-6 (2-4")	BCP-MW-7 (4-6")	SB-17 (1-6")	SB-18 (1-8.5")	SB-19 (1-4")	SB-20 (1-6")	SB-21 (2-4")	SB-21 (18-20")	SB-22 (3-9")	SB-23 (4-8")	SB-24 (3.5-8")	SB-25 (2-5")	SB-26 (4-8")	TP-12 (6-7")	TP-13 (1.5-5")	TP-14 (4-7")	TP-15 (0.5-5")	TP-15 (5-11")	BCP-MW-8 (8-12")	TP-16 (0.5-5")	TP-17 (2.5-3.5")		
				20 Wilkeson Way Site												15 La Riviere Drive Site												Parcel 1A			
				11/16/2015						11/17/2015		11/16/2015		07/31/2015		07/31/2015		08/03/2015		07/31/2015		08/03/2015		07/31/2015		08/03/2015			11/16/2015	08/03/2015	07/30/2015
Volatile Organic Compounds (VOCs) - mg/Kg ³																															
1,2,4-Trimethylbenzene	3.6	52	190	--	--	--	ND	ND	--	--	--	ND	ND	ND	ND	0.17 J	--	--	--	ND	--	ND	ND	ND	ND	ND	--	ND	--	ND	--
1,3,5-Trimethylbenzene	8.4	52	190	--	--	--	ND	ND	--	--	--	ND	ND	ND	ND	0.062 J	--	--	--	ND	--	ND	ND	ND	ND	ND	--	ND	--	ND	--
2-Butanone (MEK)	0.12	100	500	--	--	--	ND	0.0093 J	--	--	--	0.0019 J	ND	ND	0.0053 J	ND	--	--	--	ND	--	0.0039 J	ND	0.0069 J	ND	ND	--	ND	--	ND	--
Acetone	0.05	100	500	--	--	--	0.014	0.07	--	--	--	0.021	ND	ND	0.04	0.21 J	--	--	--	0.002 J	--	0.044	0.0028 J	0.037	0.002 J	ND	--	0.002 J	--	ND	--
Benzene	0.06	4.8	44	--	--	--	ND	0.0006 J	--	--	--	0.0002 J	ND	ND	ND	0.054 J	--	--	--	ND	--	ND	ND	ND	ND	ND	--	ND	--	ND	--
Chlorobenzene	1.1	100	500	--	--	--	ND	ND	--	--	--	ND	ND	ND	ND	0.032 J	--	--	--	ND	--	ND	ND	ND	ND	ND	--	ND	--	ND	--
Ethylbenzene	1	41	390	--	--	--	ND	ND	--	--	--	ND	ND	ND	ND	0.028 J	--	--	--	ND	--	ND	ND	ND	ND	ND	--	ND	--	ND	--
Isopropylbenzene (Cumene)	--	--	--	--	--	--	ND	ND	--	--	--	ND	ND	ND	ND	0.017 J	--	--	--	ND	--	ND	ND	ND	ND	ND	--	ND	--	ND	--
Methyl acetate	--	--	--	--	--	--	ND	ND	--	--	--	ND	ND	ND	ND	0.16 J	--	--	--	ND	--	ND	ND	ND	ND	ND	--	ND	--	ND	--
Methylcyclohexane	--	--	--	--	--	--	ND	ND	--	--	--	ND	ND	ND	ND	0.062 J	--	--	--	ND	--	ND	ND	ND	ND	ND	--	ND	--	ND	--
Methylene chloride	0.05	100	500	--	--	--	ND	ND	--	--	--	0.0002 J	ND	ND	ND	ND	--	--	--	ND	--	ND	ND	ND	ND	ND	--	ND	--	ND	--
n-Butylbenzene	12	--	--	--	--	--	ND	ND	--	--	--	ND	ND	ND	ND	0.029 J	--	--	--	ND	--	ND	ND	ND	ND	ND	--	ND	--	ND	--
n-Propylbenzene	3.9	100	500	--	--	--	ND	ND	--	--	--	ND	ND	ND	ND	0.017 J	--	--	--	ND	--	ND	ND	ND	ND	ND	--	ND	--	ND	--
p-Isopropyltoluene	--	--	--	--	--	--	ND	ND	--	--	--	ND	ND	ND	ND	0.033 J	--	--	--	ND	--	ND	ND	ND	ND	ND	--	ND	--	ND	--
sec-Butylbenzene	11	100	500	--	--	--	ND	ND	--	--	--	ND	ND	ND	ND	0.049 J	--	--	--	ND	--	ND	ND	ND	ND	ND	--	ND	--	ND	--
Toluene	0.7	100	500	--	--	--	ND	ND	--	--	--	ND	ND	ND	ND	0.72	--	--	--	0.00024 J	--	ND	ND	ND	ND	ND	--	ND	--	ND	--
Total Xylenes	0.26	100	500	--	--	--	ND	ND	--	--	--	ND	ND	ND	ND	0.137	--	--	--	ND	--	ND	ND	ND	ND	ND	--	ND	--	ND	--
Semi-Volatile Organic Compounds (SVOCs) - mg/Kg ³																															
2-Methylnaphthalene	--	--	--	0.57	0.088 J	1.3	ND	ND	0.18 J	0.28	ND	ND	ND	ND	0.27	0.6	0.38	0.073 J	6.8	0.093 J	ND	ND	0.066 J	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.48	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	--	--	--	ND	ND	0.081 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.78	ND	ND	ND	0.78	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Methylphenol/4-Methylphenol	--	--	--	ND	0.11 J	0.12 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.19 J	1	ND	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	100	500	1.2	0.12 J	1.5	ND	0.056 J	0.22	0.65	0.052 J	ND	0.12 J	0.53	0.69	0.4	0.07 J	12	ND	0.16	ND	0.057 J	0.042 J	ND	ND	0.046 J	ND	ND	ND	ND	ND
Acenaphthylene	100	100	500	1.5	0.19	0.76	ND	ND	0.22	0.23	0.038 J	ND	0.088 J	0.15 J	1.3	1.4	ND	9.4	ND	0.39	0.056 J	0.091 J	0.034 J	ND	ND	ND	ND	ND	ND	ND	ND
Acetophenone	--	--	--	ND	ND	0.071 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	100	100	500	4	0.41	3.5	ND	0.11	0.67	ND	ND	1.3	0.14	ND	0.39	0.65	3.1	3.1	0.14	35	ND	0.82	0.061 J	0.22	0.11	ND	ND	0.12	ND	ND	ND
Benzaldehyde	--	--	--	ND	0.13 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	1	1	5.6	9.4	1.2	7.6	ND	0.19	2.1	2.5	0.39	0.056 J	1	1.6	5.9	7.1	0.37	59	0.19	2.4	0.19	0.64	0.3	0.25	ND	ND	0.25	ND	ND	0.066 J	
Benzo(a)pyrene	1	1	1	6.6	0.98	5.2	ND	0.18	1.6	1.8	0.32	ND	0.87	1.4	4.7	5.8	0.35	49	0.17	2.2	0.16 J	0.56	0.28	ND	ND	0.21	ND	ND	0.058 J		
Benzo(b)fluoranthene	1	1	5.6	8	1.1	7.5	ND	0.21	2	2.1	0.42	0.053 J	1.1	2	6.3	5.1	0.3	64	0.18	2.1	0.22	0.8	0.41	ND	ND	0.26	ND	ND	0.075 J		
Benzo(ghi)perylene	100	100	500	4.1	0.63	3.5	ND	0.098 J	1.1	1	0.18	ND	0.49	0.83	2.5	2.7	0.18	25	0.12 J	2.1	0.11 J	0.33	0.19	ND	ND	0.13 J	ND	ND	0.04 J		
Benzo(k)fluoranthene	0.8	3.9	56	4.1	0.54	2.8	ND	0.072 J	0.9	1	0.18	ND	0.48	0.67	2.2	4.4	0.31	28	0.17	1.8	0.097 J	0.32	0.15	ND	ND	0.094 J	ND	ND	0.038 J		
Biphenyl	--	--	--	0.18 J	ND	0.23 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.19 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl) phthalate	--	--	--	ND	0.15 J	ND	ND	ND	ND	ND	ND	ND	0.094 J	ND	ND	ND	ND	0.11 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	--	--	--	1.3	0.16 J	1.4	ND	0.052 J	0.27	0.62	0.078 J	ND	0.17 J	0.28	1.3	0.37	0.079 J	18	ND	0.33	ND	0.087 J	0.038 J	ND	ND	0.047 J	ND	ND	ND	ND	
Chrysene	1	3.9	56	7	0.96	5.7	ND	0.15	1.8	2.1	0.38	0.059 J	1	1.7	5.5	6.5	0.37	62	0.26	2.3	0.16	0.65	0.34	ND	ND	0.26	ND	ND	0.069 J		
Dibenz(a,h)anthracene	0.33	0.33	0.56	1.3	0.18	1	ND	0.059 J	0.34	0.37	0.061 J	ND	0.15	0.25	0.8	1.2	0.073 J	7.2	ND	0.53	ND	0.11 J	0.064 J	ND	ND	0.036 J	ND	ND	ND	ND	
Di-n-butyl phthalate	--	--	--	0.26 J	ND	ND	ND	ND	0.077 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	7	59	350	1.1	0.087 J	1.2	ND	ND	0.16 J	0.44	ND	ND	0.065 J	0.19	1.3	0.34	ND	13	ND	0.089 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	100	100	500	14	2.2	12 D	ND	0.43	3.7	4.7	0.67	0.11	1.9	3.2	15	15	0.76	140	0.27	4.5	0.26	1.1	0.54	ND	ND	0.55	ND	ND	0.12		
Fluorene	30	100	500	2	0.13 J	1.7	ND	0.056 J	0.27	0.67	0.06 J	ND	0.12 J	0.24	2.2	1	0.073 J	21	ND	0.19	ND	0.074 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.5	0.5	5.6	4.5	0.72	3.6	ND	0.18	1.2	1.2	0.21	ND	0.58	0.94	3	2.8	0.18	28	0.11 J	1.4	0.12 J	0.39	0.23	ND	ND	0.14	ND	ND	0.048 J		
Naphthalene	12	100	500	0.96	0.14 J	1.3	ND	ND	0.2	0.33	ND	ND	ND	ND	0.32	0.92	1.1	0.14 J	16	ND	0.074 J	ND	0.11 J	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	--	--	--	ND	ND	0.092 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	100	100	500	8.9	1.2	7.4	ND	0.33	2.1	4.2	0.52	0.057 J	1.3	2.3	13	9.5	0														



TABLE 5



SUMMARY OF HISTORIC GROUNDWATER ANALYTICAL RESULTS

REMEDIAL INVESTIGATION / ALTERNATIVES ANALYSIS REPORT

15 LA RIVIERE DRIVE & 20 WILKESON WAY SITES

BUFFALO, NEW YORK

Parameters ¹	Class GA GWQS ²	Sample Location				
		B/MW-1	B/MW-2	B/MW-3	B/MW-4	B/MW-4 ⁴
		15 La Riviere Drive Site				
		8/31/1998	8/31/1998	8/31/1998	8/31/1998	10/22/1998
Volatile Organic Compounds (VOCs) - ug/L						
Acetone	50	45 J	29 J	ND	ND	--
Dissolved Metals - ug/L ³						
Barium	1000	76	76	79	65	--
Selenium	10	90	78	102	64	--
Total Metals - ug/L ³						
Arsenic	50	16	ND	11	27	--
Barium	1000	146	123	115	473	--
Chromium	100	20	15	9	35	--
Lead	50	38	30	39	707	ND
Mercury	0.7	ND	ND	ND	5	--

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 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
4. MW-4 resampled for lead only.
5. Samples B/MW-1, B/MW-2, B/MW-3 and B/MW-4 were also analyzed for Semi-Volatile Organic Compounds (SVOCs); all reported as non-detect.

Qualifiers:

- ND = Parameter not detected above laboratory detection limit.
 "--" = No value available for the parameter or parameter not analyzed.
 J = Estimated value - below calibration range

BOLD = Result exceeds GWQS.



TABLE 6



SUMMARY OF REMEDIAL INVESTIGATION GROUNDWATER ANALYTICAL RESULTS

REMEDIAL INVESTIGATION / ALTERNATIVES ANALYSIS REPORT

15 LA RIVIERE DRIVE & 20 WILKESON WAY SITES

BUFFALO, NEW YORK

Parameters ¹	Class GA GWQS ²	Sample Location											
		B/MW-1	B/MW-2	B/MW-3	B/MW-4	BCP-MW-1	BCP-MW-2	BCP-MW-3	BCP-MW-4	BCP-MW-5	BCP-MW-6	BCP-MW-7	BCP-MW-8
		15 La Riviere Drive Site				20 Wilkeson Way Site							
		12/16/15	12/16/15	12/16/15	12/16/15	12/15/15	12/15/15	12/15/15	12/15/15	12/15/15	12/16/15	12/16/15	12/16/15
Volatile Organic Compounds (VOCs) - ug/L													
2-Butanone	50	ND	ND	ND	ND	ND	ND	2.1 J	ND	ND	ND	ND	ND
Acetone	50	2.6 J	5.6	3.3 J	2.4 J	7.3	5.3	170	12	8.2 J	5.1	2.6 J	6.2
Benzene	1	ND	ND	ND	ND	21	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	--	ND	ND	ND	ND	ND	ND	2.2 J	2.1 J	ND	ND	ND	ND
Cis-1,2-Dichloroethene	5	ND	ND	ND	ND	0.93 J	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	--	ND	ND	ND	ND	0.52 J	ND	ND	ND	ND	ND	ND	ND
Trichloroethane	5	ND	ND	ND	ND	0.31 J	ND	ND	ND	ND	ND	ND	ND
Semivolatile Organic Compounds (SVOCs) - ug/L													
2-Methylnaphthalene	--	ND	ND	ND	ND	0.3	ND	0.14 J	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	0.34 J	ND	ND	ND	ND	ND
Anthracene	--	ND	ND	ND	ND	ND	ND	0.23	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.002	ND	ND	ND	ND	ND	ND	0.2	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND	0.16 J	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	ND	ND	ND	ND	ND	ND	0.25	ND	ND	ND	ND	ND
Benzo(ghi)perylene	--	ND	ND	ND	ND	ND	ND	0.12 J	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	--	ND	ND	ND	ND	ND	ND	0.09 J	ND	ND	ND	ND	ND
Bis(2-ethylhexyl) phthalate	5	ND	ND	ND	ND	ND	1.8 J	ND	ND	ND	ND	1.5 J	ND
Chrysene	0.002	ND	ND	ND	ND	ND	ND	0.19 J	ND	ND	ND	ND	ND
Fluoranthene	50	ND	ND	ND	ND	ND	ND	0.55 J	ND	ND	ND	ND	ND
Fluorene	50	ND	ND	ND	ND	ND	ND	0.36	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	--	ND	ND	ND	ND	ND	ND	0.13 J	ND	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	0.36	ND	0.4	ND	ND	ND	ND	ND
Phenanthrene	50	ND	ND	ND	ND	ND	ND	0.83	ND	ND	ND	ND	ND
Pyrene	50	ND	ND	ND	ND	ND	ND	0.43	ND	ND	ND	ND	ND
Polychlorinated Biphenyls - ug/L													
Total PCBs	0.09	ND	ND	ND	ND	ND	--	ND	--	--	--	ND	ND
Total Metals - ug/L ³													
Aluminum	--	29	323	725	11	236	993	535	100	302	4690	914	360
Antimony	3	1.1 J	0.2 J	0.2 J	0.5 J	0.7	0.2 J	0.4 J	0.2 J	0.2 J	0.3 J	0.1 J	0.2 J
Arsenic	25	1.5	4.7	1.9	0.8	11.4	4.6	3.5	5.1	0.9	9.1	2.9	1.3
Barium	1000	74	135	72	72	60	118	105	95	209	743	613	50
Beryllium	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.2 J	ND	ND
Cadmium	5	0.1 J	0.1 J	ND	ND	ND	0.1 J	0.1 J	ND	ND	0.4	ND	ND
Calcium	--	194000	210	172000	131000	97300	374000	236000	339000	275000	556000	299000	79400
Chromium	50	1.6 J	2.8 J	3.5	2 J	2.4 J	3.0	2.6 J	2.3 J	3.2	9.2	4.5	1.9 J
Cobalt	--	0.1 J	1.6	0.6	0.3 J	0.4 J	3.7	3.5	3.8	0.6	6.7	1.5	ND
Copper	200	3.8	2.9	3.2	2.0	0.8 J	4.4	2.4	1.2	1.3	17	5.0	0.5 J
Iron	300	82	4240	4180	140	1140	5080	3420	7920	4640	29200	14100	194
Lead	25	0.1 J	1.4	4.2	3.3	2.1	1.4	6.0	0.2 J	0.9 J	18	7.7	1.3
Magnesium	35000	43000	44400	36800	25700	10000	93600	42400	88700	89100	116000	45600	675
Manganese	300	10	949	250	48	67	4532	1707	3453	859	1349	942	34.5
Nickel	100	3.5	6.2	4.1	9.5	4.2	8.3	8.3	9.1	2.1	15	3.9	1.3 J
Potassium	--	9760	10800	11300	6480	11300	4510	8880	23500	31400	15600	16000	9600
Sodium	20000	333000	388000	11800	123000	450000	112000	84800	304000	330000	1160000	843000	75700
Vanadium	--	ND	1.1 J	1.3 J	ND	2.7	1.8 J	1.7 J	ND	1.6 J	13	2.6 J	2.3 J
Zinc	2000	ND	8.3 J	12	33	6.5	15.2	12	4.8 J	3.6 J	78	12	ND
Pesticides and Herbicides - ug/L													
Pesticides and Herbicides	--	ND	ND	ND	ND	ND	--	ND	--	--	--	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 7



COST ESTIMATE FOR TRACK 1 UNRESTRICTED USE CLEANUP ALTERNATIVE
15 LA RIVIERE DRIVE & 20 WILKESON WAY SITES
BUFFALO, NEW YORK

Item	Quantity	Units	Unit Cost	Total Cost
<u>Impacted Soil/Fill Removal</u>				
<u>USCO Excavation</u>				
Soil/Fill Excavation & Hauling	87120	CY	\$ 30	\$ 2,613,600
Disposal at TSD (1.6 tons per CY)	139392	TON	\$ 40	\$ 5,575,680
Waste Characterization Analytical	85	EA	\$ 600	\$ 51,000
Post-Excavation Confirmatory Sampling	400	EA	\$ 400	\$ 160,000
Subtotal:				\$ 8,400,280
<u>Backfill Excavation with Off-Site Soil/Fill</u>				
Haul, Place & Compact	87120	CY	\$ 35	\$ 3,049,200
Backfill Characterization and Sampling	80	EA	\$ 750	\$ 60,000
Subtotal:				\$ 3,109,200
<u>Groundwater Management</u>				
Temporary Groundwater Treatment System	1	EST	\$ 50,000	\$ 50,000
Temporary Discharge Permit/Fees	1	EST	\$ 2,500	\$ 2,500
Confirmatory and Waste Characterization Analytical	3	EST	\$ 2,000	\$ 6,000
Subtotal:				\$ 58,500
Subtotal Capital Cost				\$ 11,509,480
Contractor Mobilization/Demobilization (5%)				\$ 575,474
Health and Safety (2%)				\$ 230,190
Engineering/Contingency (35%)				\$ 4,028,318
Total Capital Cost				\$ 16,344,000



TABLE 8

COST ESTIMATE FOR TRACK 2 RESIDENTIAL USE CLEANUP ALTERNATIVE

15 LA RIVIERE DRIVE & 20 WILKESON WAY SITES

BUFFALO, NEW YORK

Item	Quantity	Units	Unit Cost	Total Cost
<u>Impacted Soil/Fill Removal</u>				
<u>RRSCO Excavation</u>				
Soil/Fill Excavation & Hauling	37220	CY	\$ 30	\$ 1,116,600
Disposal at TSDF (1.6 tons per CY)	59552	TON	\$ 40	\$ 2,382,080
Waste Characterization Analytical	40	EA	\$ 600	\$ 24,000
Post-Excavation Confirmatory Sampling	250	EA	\$ 400	\$ 100,000
Subtotal:				\$ 3,622,680
<u>Backfill Excavation with Off-Site Soil/Fill</u>				
Haul, Place & Compact	37220	CY	\$ 35	\$ 1,302,700
Backfill Characterization and Sampling	40	EA	\$ 750	\$ 30,000
Subtotal:				\$ 1,332,700
<u>Groundwater Management</u>				
Temporary Groundwater Treatment System	1	EST	\$ 30,000	\$ 30,000
Temporary Discharge Permit/Fees	1	EST	\$ 2,500	\$ 2,500
Confirmatory and Waste Characterization Analytical	2	EST	\$ 2,000	\$ 4,000
Subtotal:				\$ 36,500
Subtotal Capital Cost				\$ 4,991,880
Contractor Mobilization/Demobilization (5%)				\$ 249,594
Health and Safety (2%)				\$ 99,838
Engineering/Contingency (35%)				\$ 1,747,158
Total Capital Cost				\$ 7,088,470



TABLE 9

COST ESTIMATE FOR TRACK 4 RESTRICTED RESIDENTIAL USE CLEANUP ALTERNATIVE

15 LA RIVIERE DRIVE & 20 WILKESON WAY SITES

BUFFALO, NEW YORK

Item	Quantity	Units	Unit Cost	Total Cost
<u>Impacted Soil/Fill Removal</u>				
Soil/Fill Excavation & Hauling	5800	CY	\$ 30	\$ 174,000
Disposal at TSDF (1.6 tons per CY)	9280	TON	\$ 40	\$ 371,200
Waste Characterization Analytical	6	EA	\$ 600	\$ 3,600
Post-Excavation Confirmatory Sampling	60	EA	\$ 400	\$ 24,000
Subtotal:				\$ 572,800
<u>Backfill Excavation with Imported Soil/Fill</u>				
Haul, Place & Compact	5800	CY	\$ 35	\$ 203,000
Backfill Characterization and Sampling	10	EA	\$ 750	\$ 7,500
Subtotal:				\$ 210,500
<u>Cover System</u>				
Hardscape Elements - asphalt, concrete and bldg foundation/slabs	1	EST	\$ 1,500,000	\$ 1,500,000
Soil Cover and Landscaped Areas	1	EST	\$ 250,000	\$ 250,000
CSCOs Utility Corridor Road Way Excavation	1	EST	\$ 150,000	\$ 150,000
Subtotal:				\$ 1,900,000
Subtotal Capital Cost				\$ 2,683,300
Contractor Mobilization/Demobilization (5%)				\$ 134,165
Health and Safety (2%)				\$ 53,666
Engineering/Contingency (35%)				\$ 939,155
Total Capital Cost				\$ 3,810,286
<u>Institutional Controls</u>				
Environmental Easement	1	LS	\$ 10,000.00	\$ 10,000
Site Management Plan	1	LS	\$ 15,000.00	\$ 15,000
Subtotal:				\$ 25,000
<u>Annual Operation Maintenance & Monitoring (OM&M):</u>				
Groundwater Monitoring	2	EA	\$ 5,000.00	\$ 10,000
Annual Certification	1	YR	\$ 3,500.00	\$ 3,500
Total Annual OM&M Cost				\$ 13,500
<u>Engineering Controls (GWM) OM&M Present Worth (PW):</u>				
Number of Years (n):				5
Interest Rate (I):				3%
p/A value:				4.58
EC OM&M Present Worth (PW):				\$ 45,790
<u>Annual Certification OM&M Present Worth (PW):</u>				
Number of Years (n):				30
Interest Rate (I):				3%
p/A value:				19.6
Annual Certification OM&M Present Worth (PW):				\$ 68,600
Total OM&M Present Worth (PW):				\$ 114,390
Total Cost				\$ 3,949,676



TABLE 10
COMPARISON OF REMEDIAL ALTERNATIVES
15 LA RIVIERE DRIVE & 20 WILKESON WAY SITES
BUFFALO, NEW YORK

Remedial Alternative	NYSDEC DER-10 Evaluation Criteria								
	1. Overall	2. SCGs	3. Eff & Perm	4. Reduction	5. Imp & Eff	6. Implement	7. Cost Eff	8. Community	9. Land Use
Alternative 1 - No Further Action								TBE	
Alternative 2 - Track 1 Cleanup	✓	✓	✓	✓				TBE	
Alternative 3 - Track 2 Cleanup	✓	✓	✓	✓				TBE	✓
Alternative 4 - Track 4 Cleanup	✓	✓	✓	✓	✓	✓	✓	TBE	✓

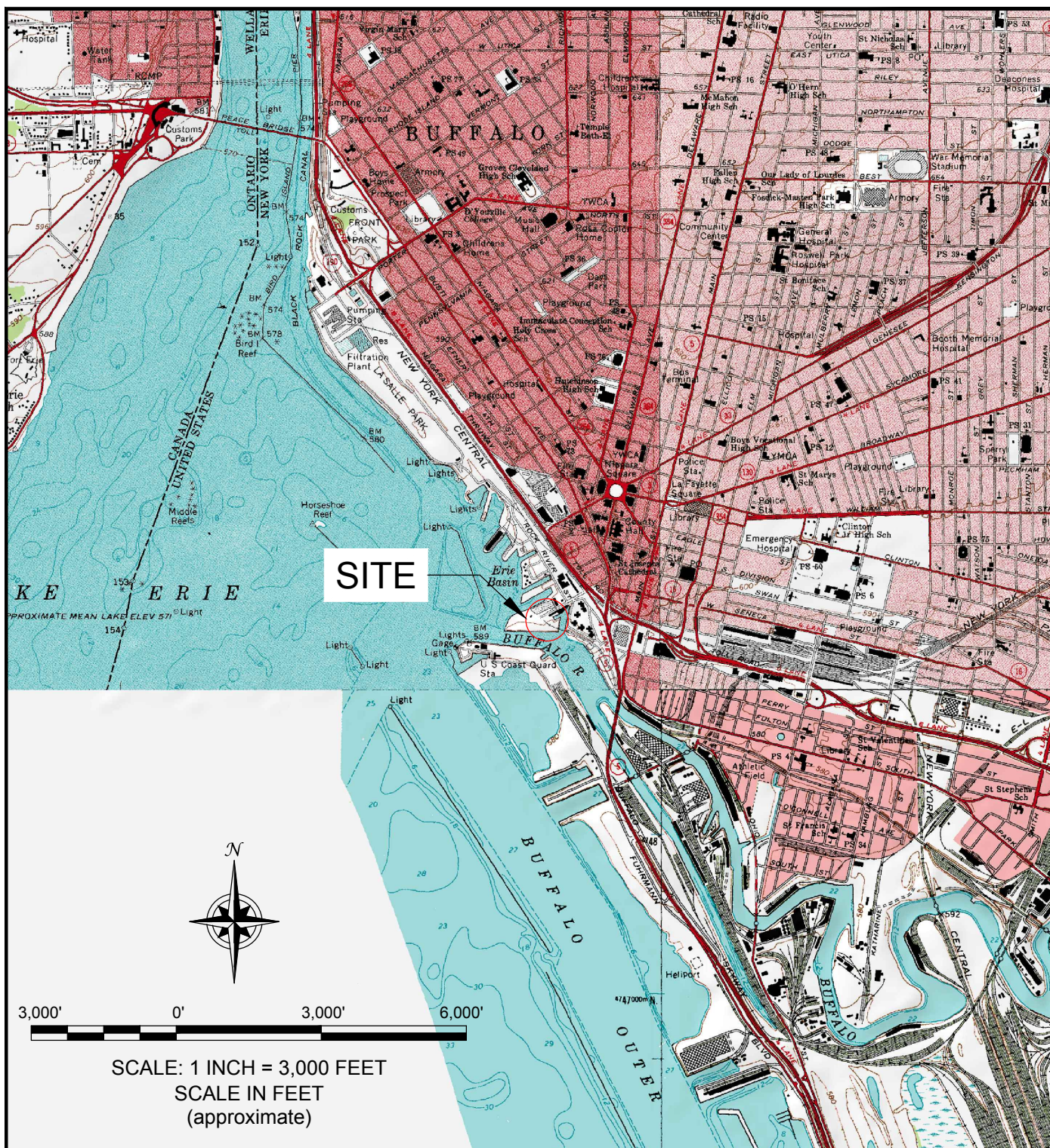
Notes:

1. Overall Protectiveness of Public Health and the Environment
2. Compliance with Standards, Criteria, and Guidance (SCGs)
3. Long-Term Effectiveness and Permanence
4. Reduction of Toxicity, Mobility, or Volume of Contamination through Treatment
5. Short-Term Impacts and Effectiveness
6. Implementability (Technical and Administrative)
7. Cost Effectiveness (Costs noted include costs of the IRMs completed)
8. Community Acceptance
9. Land Use

- ✓ = Alternative satisfies criterion
TBE = To be evaluated following public comment period

FIGURES

FIGURE 1



2558 HAMBURG TURNPIKE, SUITE 300, BUFFALO, NY 14218, (716) 856-0599

PROJECT NO.: 0136-013-002

DATE: APRIL 2018

DRAFTED BY: KRR

SITE LOCATION AND VICINITY MAP

REMEDIAL INVESTIGATION / ALTERNATIVES ANALYSIS REPORT

15 LA RIVIERE DRIVE & 20 WILKESON WAY SITES

BCP SITE Nos. C915276 & C915275

BUFFALO, NEW YORK

PREPARED FOR

CARLO GROUP, LLC

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F:\CAD\TurnKey\Elliott Development\15 La Riviere Dr & 20 Wilkeson Way\RT-AA Report\NEW\Figure 2, Site Plan.dwg, 5/3/2018, 10:31:24 AM, DWG To PDF.pc

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SITE PLAN (AERIAL)

REMEDIAL INVESTIGATION / ALTERNATIVES ANALYSIS REPORT
15 LA RIVIERE DRIVE & 20 WILKESON WAY SITES
BCP SITE Nos. C915276 & C915275
BUFFALO, NEW YORK

PREPARED FOR
CARLO GROUP, LLC



2558 HAMBURG TURNPIKE, SUITE 300, BUFFALO, NY 14218, (716) 856-0599

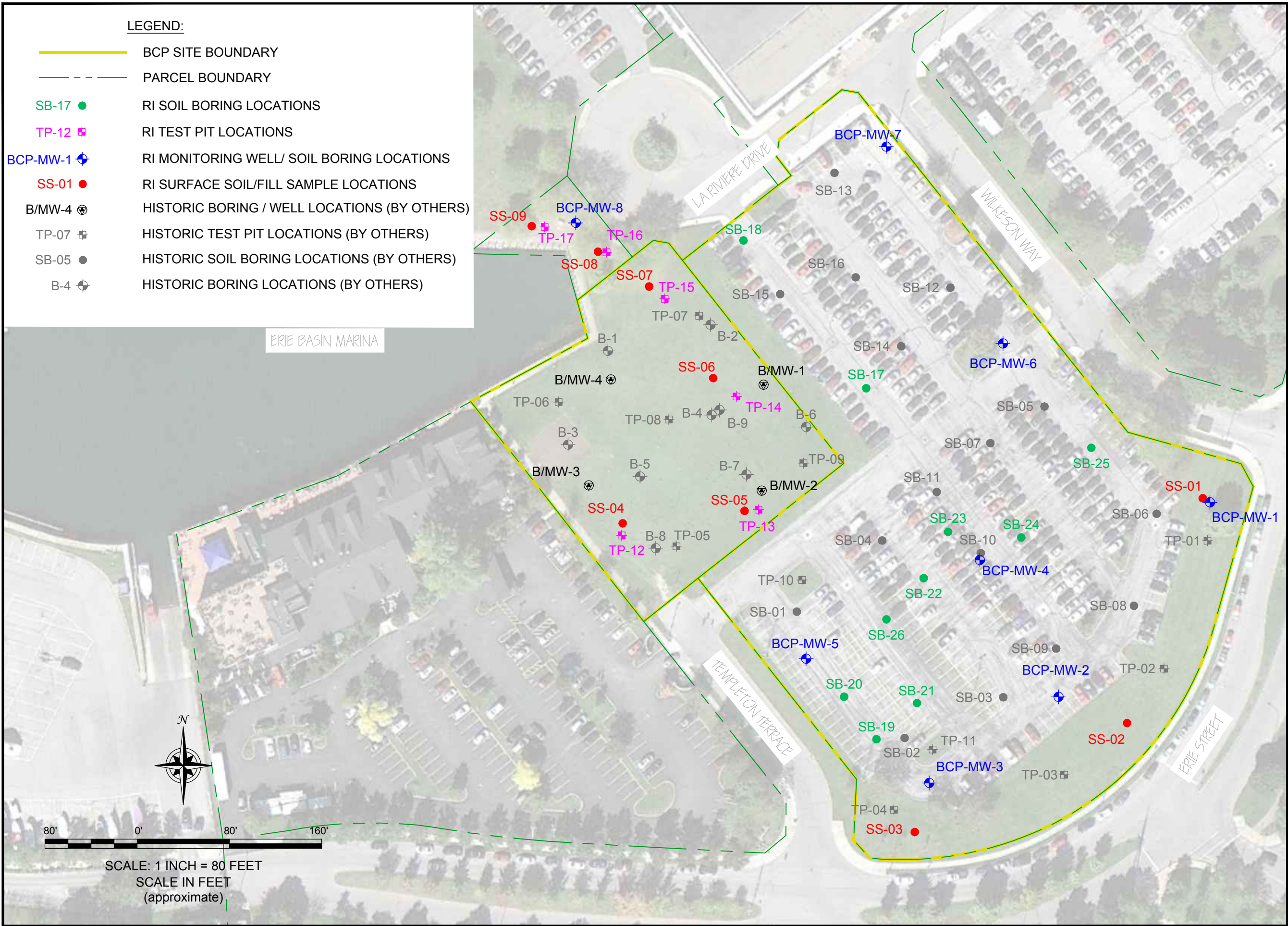
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FIGURE 2

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F:\CAD\TurnKey\Ellicott Development\15 La Riviere Dr & 20 Wilkeson Way\RI-AA Report\NEW\Figure 3, Historic & RI Sample Locations.dwg, 5/2/2018 10:32:36 AM, DWG To PDF.pc3

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HISTORIC & RI SAMPLE LOCATIONS

REMEDIAL INVESTIGATION / ALTERNATIVES ANALYSIS REPORT

15 LA RIVIERE DRIVE & 20 WILKESON WAY SITES

BCP SITE Nos. C915276 & C915275

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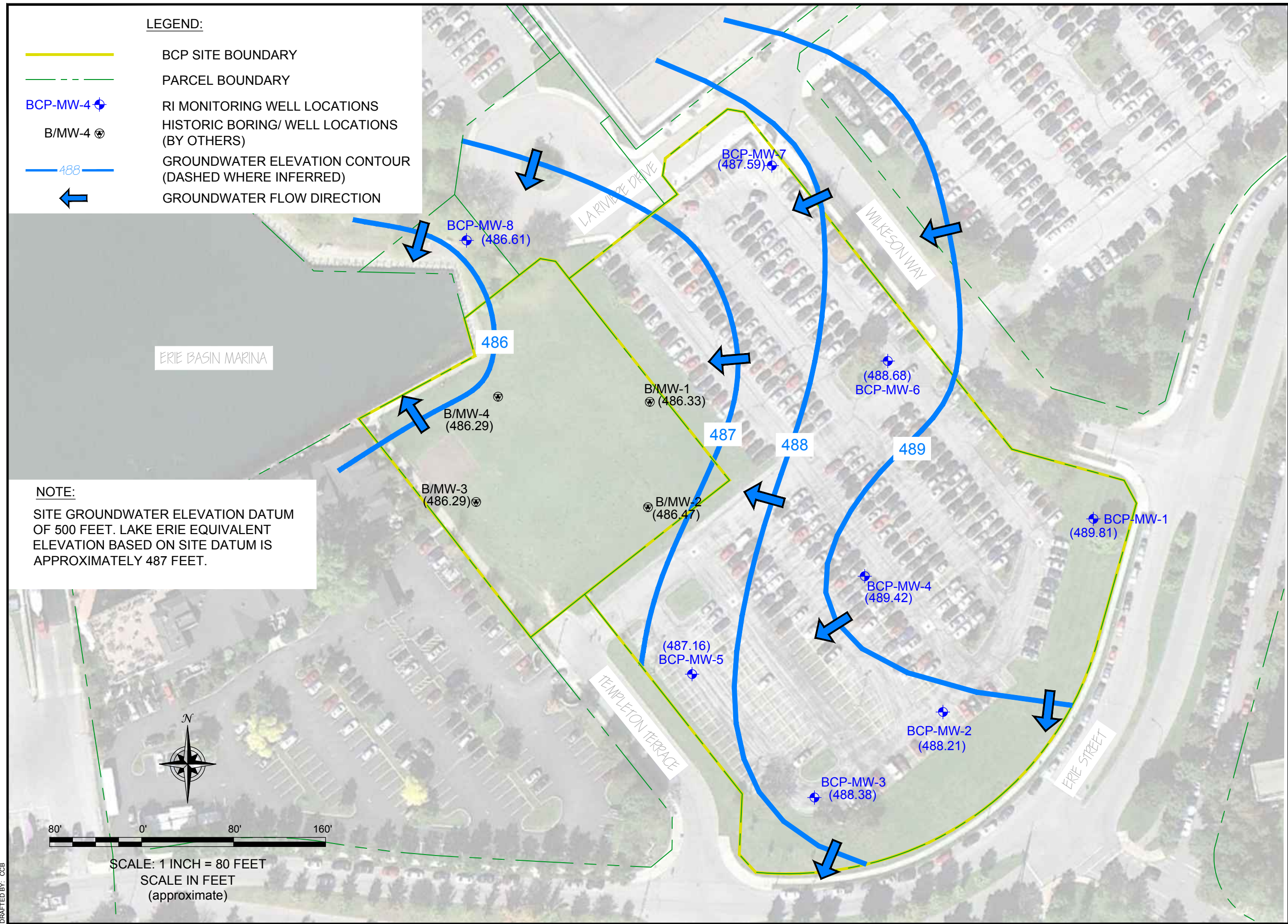
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FIGURE 3

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F:\CAD\TurnKey\Elicott Development\15 La Riviere Dr & 20 Wilkeson Way\RT-AA Report\NEW\Figure 4: Groundwater Monitoring Well Locations & Isopotential Map.dwg, 5/4/2018 11:16:35 AM, DWG To PDF.pc

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GROUNDWATER MONITORING WELL NETWORK & ISOPOTENTIAL MAP

REMEDIAL INVESTIGATION / ALTERNATIVES ANALYSIS REPORT

15 LA RIVIERE DRIVE & 20 WILKESON WAY SITES

BCP SITE Nos. C915276 & C915275

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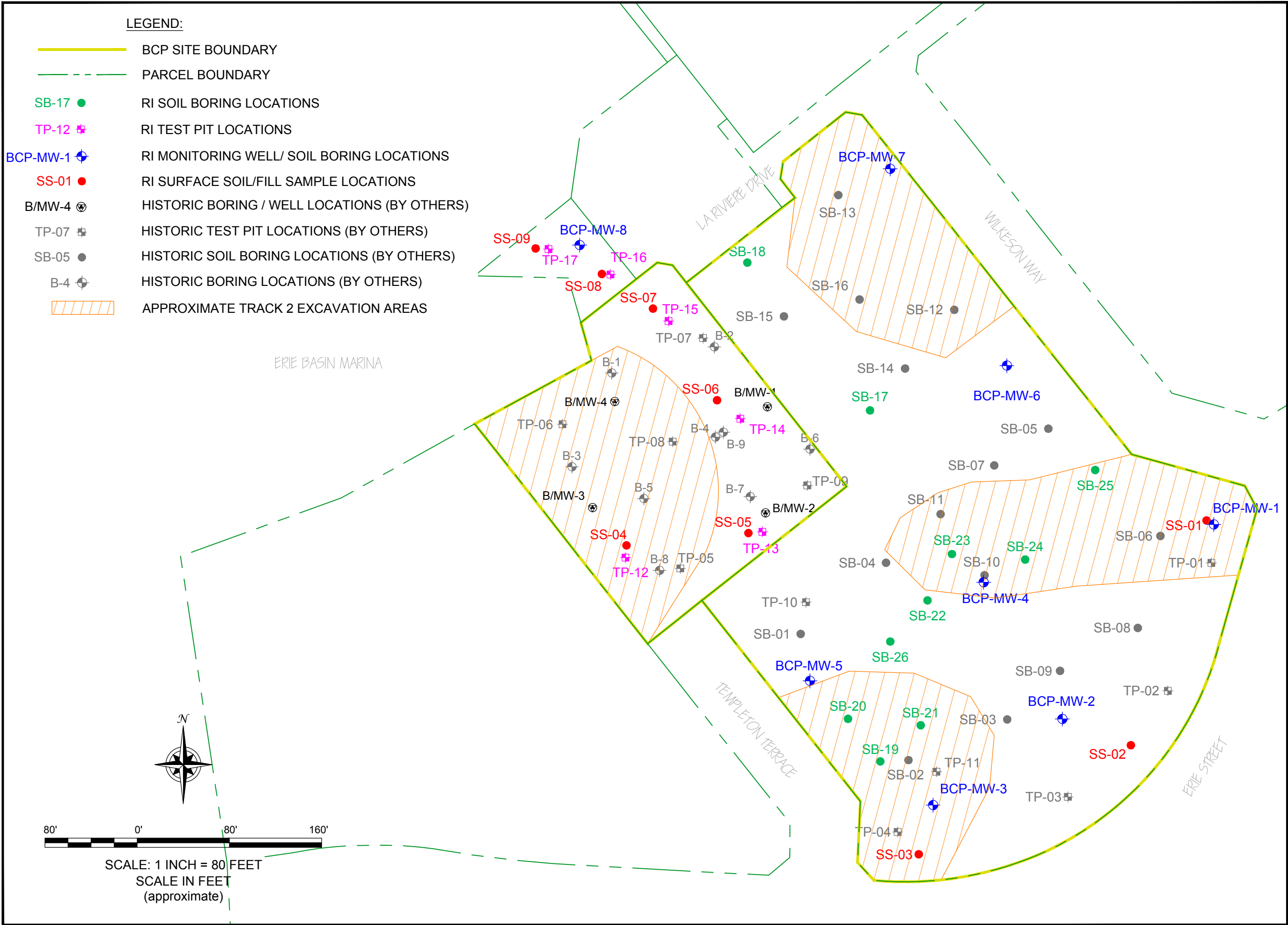
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FIGURE 4

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F:\CAD\TurnKey\Bilcott Development\15 La Riviere Dr & 20 Wilkeson Way\RI-AA Report\NEW\Figure 5, Track 2 RR Cleanup Alternative.dwg, 5/2/2018 10:34:28 AM, DWG To PDF.pc3

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**TRACK 2 RESIDENTIAL USE
CLEANUP ALTERNATIVE**

REMEDIAL INVESTIGATION / ALTERNATIVES ANALYSIS REPORT

15 LA RIVIERE DRIVE & 20 WILKESON WAY SITES

BCP SITE Nos. C915276 & C915275

BUFFALO, NEW YORK

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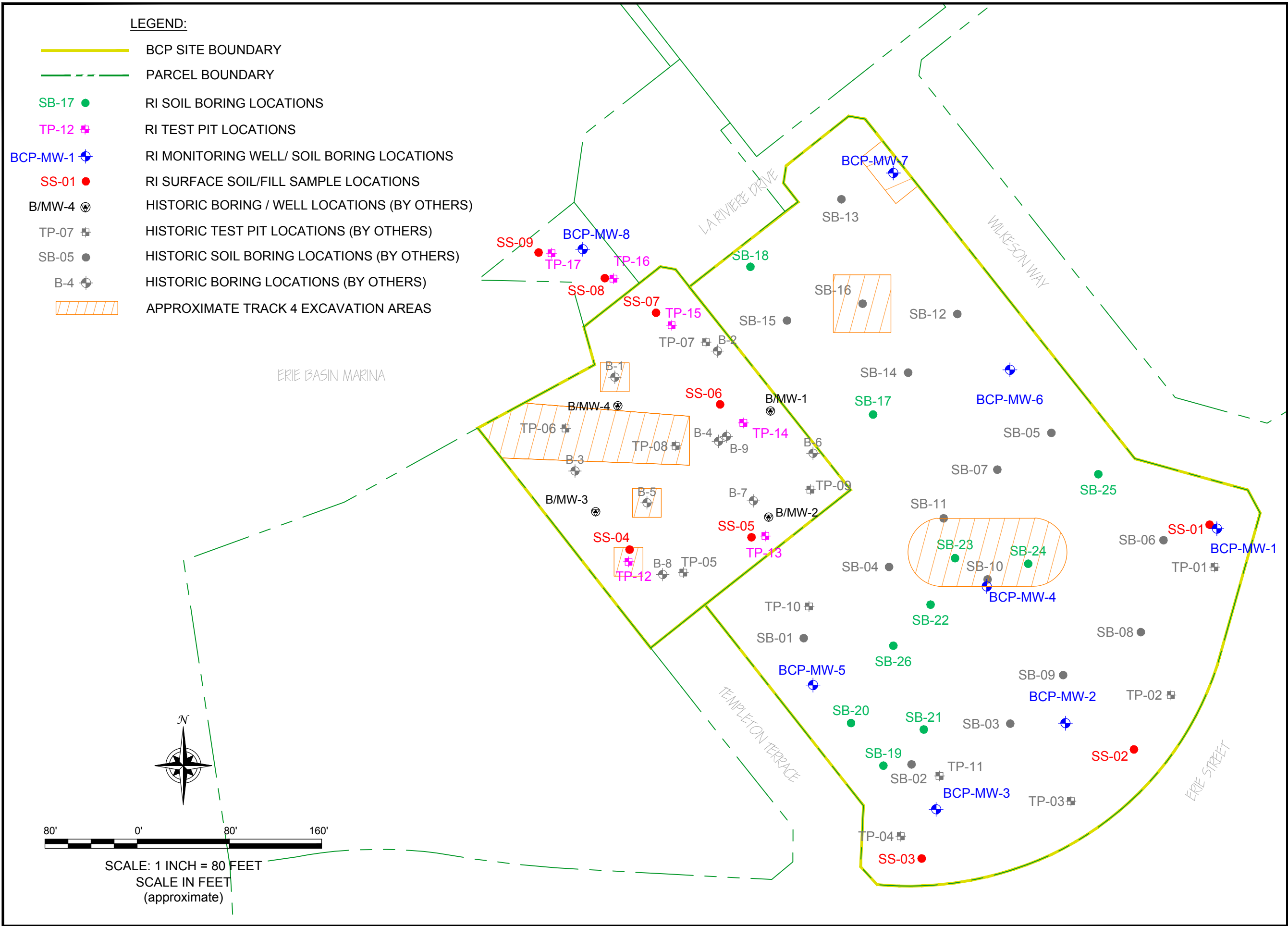
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FIGURE 5

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F:\CAD\TurnKey\Ellicott Development\15 La Riviere Dr & 20 Wilkeson Way\RI-AA Report\NEW\Figure 6; Track 4 RR Cleanup Alternative.dwg, 5/11/2018 1:46:34 PM, DWG To PDF.pc

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TRACK 4 RESTRICTED-RESIDENTIAL USE CLEANUP ALTERNATIVE

REMEDIAL INVESTIGATION / ALTERNATIVES ANALYSIS REPORT

15 LA RIVIERE DRIVE & 20 WILKESON WAY SITES

BCP SITE Nos. C915276 & C915275

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FIGURE 6

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F:\CAD\TurnKey\Ellcott Development\15 La Riviere Dr & 20 Wilkeson Way\RI-AA Report\NEW\Figure 7: City of Buffalo Road Way Plan.dwg, 5/3/2018 10:39:37 AM, DWG To PDF.pc3

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CITY OF BUFFALO PROPOSED STREETScape

REMEDIAL INVESTIGATION / ALTERNATIVES ANALYSIS REPORT
15 LA RIVIERE DRIVE & 20 WILKESON WAY SITES
BCP SITE Nos. C915276 & C915275
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JOB NO.: 0136-013-002

FIGURE 7

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APPENDIX A

PROJECT PHOTOLOG

SITE PHOTOGRAPHS

Photo 1:



Photo 2:



Photo 3:



Photo 4:



Photo 1: RI – Site Conditions – 15 La Riviere Drive – (looking south).

Photo 2: RI – Site Conditions – 15 La Riviere Drive – (looking north).

Photo 3: RI – Site Conditions – 20 Wilkeson Way – (looking south).

Photo 4: RI – Site Conditions – 20 Wilkeson Way – (looking north).

**15 La Riviere Dr & 20 Wilkeson Way Sites
C915276 & C915275
Buffalo, New York**



SITE PHOTOGRAPHS

Photo 5:



Photo 6:



Photo 7:



Photo 8:



Photo 5: RI – Excavation of TP-13 – 15 La Riviere Drive Parcel – (looking north)

Photo 6: RI – Excavation of TP-15 – 15 La Riviere Drive Parcel – (looking west)

Photo 7: RI – TP-15 Soil/Fill Material – 15 La Riviere Drive Parcel

Photo 8: RI – Advancement of SB-20 – 20 Wilkeson Way Parcel – (looking west)

**15 La Riviere Dr & 20 Wilkeson Way Sites
C915276 & C915275
Buffalo, New York**



SITE PHOTOGRAPHS

Photo 9:



Photo 10:



Photo 11:



Photo 12:



Photo 9: RI – Advancement of SB-21 – 20 Wilkeson Way Parcel – (looking east)

Photo 10: RI – SB-21 Soil/Fill Material – 20 Wilkeson Way Parcel

Photo 11: RI – Advancement of BCP-MW-4 – 20 Wilkeson Way Parcel – (looking east)

Photo 12: RI – Installation of BCP-MW-4 – 20 Wilkeson Way Parcel – (looking east)

**15 La Riviere Dr & 20 Wilkeson Way Sites
C915276 & C915275
Buffalo, New York**



SITE PHOTOGRAPHS

Photo 13:



Photo 13: RI – BCP-MW-4 Soil/Fill Material – 20 Wilkeson Way Parcel

15 La Riviere Dr & 20 Wilkeson Way Sites
C915276 & C915275
Buffalo, New York



APPENDIX B

FIELD BOREHOLE LOGS AND WELL COMPLETION DETAILS

TEST PIT EXCAVATION LOG

Project No: 0136-013-002

Test Pit I.D.: TP-12

Project: Remedial Investigation

Logged By: PWW

Client: Carlo Group, LLC

Checked By: TAB

Site Location: 15 La Riviere Drive & 20 Wilkeson Way



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

SUBSURFACE PROFILE				PID VOCs	Lab Sample	Remarks
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Lithologic Symbol			
0.0	0.0	Ground Surface		0.0		
	0.5	Organic Soil Brown, moist, mostly organic soil, few fine to coarse sand, loose when disturbed.		0.0		
	1.5	Lean Clay Reddish brown, moist, mostly medium plasticity fines, few fine to coarse sand, stiff, massive.		0.0		
		Silty Sand with Fill Brown, moist, mostly fine to coarse sand, brick and concrete pieces, wire, loose, massive. The first 6' of the western portion of TP refusal on concrete and rebar (suspected building footer).		0.0		
5.0	6.0	As above, black, rebar.		0.0	Sampled (6-7')	
	7.0	Well Graded Sand Yellowish brown, wet (11.0 fbgs), mostly fine to coarse sand, few fine gravel (sub-rounded), trace non-plastic fines, medium dense, loose when disturbed.		0.0		
10.0		End of test pit 12.0 fbgs.		0.0		
	12.0	End of Test Pit		0.0		
15.0						
20.0						

Excavated By: Trec Environmental Inc.

Length: 20.0 - feet.

Depth to Water: 11.0 - fbgs.

Excavator Type: Kubota KX080-3 Track Excavator

Width: 2.0 - feet.

Visual Impacts: None

Excavation Date(s): 7-30-15

Depth: 12.0 - feet.

Olfactory Observations: None

Comments: 12.0 feet is max extent of excavator.

Sheet: 1 of 1

TEST PIT EXCAVATION LOG

Project No: 0136-013-002

Test Pit I.D.: TP-13

Project: Remedial Investigation

Logged By: PWW

Client: Carlo Group, LLC

Checked By: TAB

Site Location: 15 La Riviere Drive & 20 Wilkeson Way



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

SUBSURFACE PROFILE				PID VOCs	Lab Sample	Remarks
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Lithologic Symbol			
				0 25 50 75 100 ppm		
0.0	0.0	Ground Surface				
	0.5	Organic Soil Brown, moist, mostly organic soil, few fine to coarse sand, loose when disturbed		0.0		
	1.5	Lean Clay Reddish brown, moist, mostly medium plasticity fines, few fine to coarse sand, stiff, massive.		0.0		
		Lean Clay with Fill Brown, moist, medium plasticity fines, few fine to coarse sand, brick and concrete blocks, stiff, massive.		0.0	Sampled (1.5 - 5')	
5.0	5.0	Silty Sand with Fill Brown, moist, mostly fine to coarse sand, shale pieces, wood debris, medium dense, loose when disturbed.		0.0		
	7.0	Well Graded Sand Yellowish brown, wet (11.0 fbgs), mostly fine to coarse sand, few fine gravel (sub-rounded), trace non-plastic fines, medium dense loose when disturbed.		0.0		
10.0				0.0		
	11.5	End of test pit 12.0 fbgs.		0.0		
	12.0	End of Test Pit		0.0		
15.0						
20.0						

First water 11.0 fbgs.

Excavated By: Trec Environmental Inc.

Length: 11.0 - feet

Depth to Water: 11.0 fbgs.

Excavator Type: Kubota KX080-3 Track Excavator

Width: 2.0 - feet

Visual Impacts: None

Excavation Date(s): 7-30-15

Depth: 12.0 - feet

Olfactory Observations: None

Comments: 12.0 -feet is max extent of excavator.

Sheet: 1 of 1

TEST PIT EXCAVATION LOG

Project No: 0136-013-002

Test Pit I.D.: TP-14

Project: Remedial Investigation

Logged By: PWW

Client: Carlo Group, LLC

Checked By: TAB

Site Location: 15 La Riviere Drive & 20 Wilkeson Way



TurnKey Environmental Restoration, LLC
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Buffalo, NY 14218
(716) 856-0635

SUBSURFACE PROFILE				PID VOCs	Lab Sample	Remarks
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Lithologic Symbol			
				0 25 50 75 100 ppm		
0.0	0.0	Ground Surface				
	0.5	Organic Soil Brown, moist, mostly organic soil, few fine to coarse sand, medium dense, loose when disturbed.		0.0		
		Lean Clay Reddish brown, moist, mostly medium plasticity fines, few fine to coarse sand, stiff, massive.		0.0		
4.0		Silty Sand with Fill Brown, moist, mostly fine to coarse sand, shale pieces, wood debris, medium dense, loose when disturbed.		0.0	Sampled (4-7')	
7.0		Well Graded Sand Yellowish brown, wet (11.0 fbgs), mostly fine to coarse sand, few fine gravel (sub-rounded), trace non-plastic fines, medium dense, loose when disturbed.		0.0		
10.0		End of test pit at 12.0 fbgs.		0.0		
12.0		End of Test Pit		0.0		
15.0						
20.0						

First water 11.0 fbgs.

Excavated By: Trec Environmental Inc.

Length: 15.0 - feet.

Depth to Water: 11.0 fbgs.

Excavator Type: Kubota KX080-3 Track Excavator

Width: 2.0 - feet.

Visual Impacts: None

Excavation Date(s): 7-30-15

Depth: 12.0 - feet.

Olfactory Observations: None

Comments: 12.0 - feet is max extent of excavator.

Sheet: 1 of 1

TEST PIT EXCAVATION LOG

Project No: 0136-013-002

Test Pit I.D.: TP-15

Project: Remedial Investigation

Logged By: PWW

Client: Carlo Group, LLC

Checked By: TAB

Site Location: 15 La Riviere Drive & 20 Wilkeson Way



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(716) 856-0635

SUBSURFACE PROFILE				PID VOCs	Lab Sample	Remarks
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Lithologic Symbol			
				0 25 50 75 100 ppm		
0.0	0.0	Ground Surface				
	0.5	Organic Soil Brown, moist, mostly organic soil, few fine to coarse sand, medium dense, loose when disturbed.		0.0		
		Lean Clay Reddish brown, moist, mostly medium plasticity fines, few fine to coarse sand, stiff, massive.		0.0		
				0.0	Sampled (0.5 - 5')	
				0.0		
5.0	5.0	Well Graded Fine Sand. Brown, moist to wet (11.0 fbgs), mostly fine to coarse sand, few coarse cobbles (limestone), hard at 11.0 fbgs, loose when disturbed.		0.0		
				0.0		
		Equipment refusal at 11.0 fbgs.		0.0	Sampled (5-11')	
				0.0		
10.0				0.0		
	11.0	End of Test Pit		0.0		
15.0						
20.0						

Excavated By: Trec Environmental Inc.

Length: 15.0 - feet.

Depth to Water: 11.0 feet.

Excavator Type: Kubota KX080-3 Track Excavator

Width: 2.0 - feet.

Visual Impacts: None

Excavation Date(s): 7-30-15

Depth: 11.0 - feet.

Olfactory Observations: None

Comments: Equipment refusal at 11.0 fbgs.

Borehole Number: SB-17

A.K.A.:

Logged By: PWW

Checked By: TAB



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[illegible]

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

Sheet: 1 of 1

Borehole Number: SB-18

A.K.A.:

Logged By: PWW

Checked By: TAB



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[illegible]

Hole Size: 2"

Stick-up: NA

Datum: Mean Sea Level

Sheet: 1 of 1

Drill Date(s): 7-31-15

Project No: 0136-013-002

Borehole Number: SB-19

Project: Remedial Investigation

A.K.A.:

Client: Carlo Group, LLC

Logged By: PWW

Site Location: 15 La Riviere Drive & 20 Wilkeson Way

Checked By: TAB



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(716) 856-0635

SUBSURFACE PROFILE			SAMPLE				PID VOCs ppm 12.5 25	Lab Sample	Well Completion Details or Remarks
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol			
0.0	0.0	Ground Surface							
	0.0	Asphalt					0.0		
	-1.0	Poorly Graded Gravel with Sand					0.0		
	1.0	Grey, moist, mostly fine gravel (angular), little fine to coarse sand, trace non-plastic fines, dense, loose when disturbed.	S-1	NA	3.2		0.0	Sampled (1-4')	
		Sandy Lean Clay with Fill					0.0		
		Brown, moist, mostly medium plasticity fines, some fine to coarse sand, trace rounded gravel, red brick fragments, stiff, massive.					0.0		
	-4.0	As above					0.0		
	4.0						0.0		
5.0	-5.0	Poorly Graded Sand with Fill					0.0		
	5.0	Brown, moist, mostly fine to coarse sand, trace non-plastic fines, red brick fill, loose when disturbed, medium dense.	S-2	NA	2.1		0.0		
		As above					0.0		
	-8.0						0.0		
	8.0						0.0		
	-9.0	Sandy Lean Clay					0.0		
	9.0	Brown, moist to wet (10.0 fbgs), mostly medium plasticity fines, some fine to coarse sand, firm, massive.	S-3	NA	2.4		0.0		
10.0	-12.0	Poorly Graded Sand					0.0		
	12.0	Grey/brown, wet, mostly fine to coarse sand, trace non-plastic fines, loose.	S-4	NA	4.0		0.0		
							0.0		
15.0	-16.0						0.0		
	16.0	End of Borehole					0.0		
20.0									

First water 10.0 fbgs.

Drilled By: Trec Environmental Inc.

Drill Rig Type: Geoprobe 540UD truck mounted rig

Drill Method: Direct push with 4' macro-core

Comments:

Drill Date(s): 7-31-15

Hole Size: 3-inch

Stick-up: NA

Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0136-013-002

Borehole Number: SB-20

Project: Remedial Investigation

A.K.A.:

Client: Carlo Group, LLC

Logged By: PWW

Site Location: 15 La Riviere Drive & 20 Wilkeson Way

Checked By: TAB



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SUBSURFACE PROFILE			SAMPLE				PID VOCs ppm 12.5 25	Lab Sample	Well Completion Details or Remarks
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol			
0.0	0.0	Ground Surface							
		Asphalt					0.0		
	1.0	Poorly Graded Gravel with Sand Grey, moist, mostly fine gravel (angular), little fine to coarse sand, trace non-plastic fines, dense, loose when disturbed.	S-1	NA	3.6		0.0		
		Silty Sand with Fill Brown, moist, mostly fine to coarse sand, some non-plastic fines, trace fine gravel (sub-rounded), red brick fragments, medium dense, loose when disturbed.					0.0		
	4.0	As above					0.0	Sampled (1-6')	
	5.0		S-2	NA	3.6		0.0		
							0.0		
	8.0	As above					0.0		
							0.0		
	10.0	Silty Sand Brown, wet (10.0 fbgs), mostly fine to coarse sand, some non-plastic fines, trace fine gravel (sub-rounded), medium dense, loose when disturbed.	S-3	NA	3.8		0.0		
							0.0		
	12.0	As above.					0.0		
							0.0		
	15.0	End of boring 16.0 fbgs.	S-4	NA	1.0		0.0		
							0.0		
	16.0	End of Borehole					0.0		
	20.0								

First water 10.0 fbgs.

Drilled By: Trec Environmental Inc.

Drill Rig Type: Geoprobe 540UD truck mounted rig

Drill Method: Direct push with 4' macro-core

Comments:

Drill Date(s): 7-31-15

Hole Size: 3-inch

Stick-up: NA

Datum: NA

Sheet: 1 of 1

Project No: 0136-013-002

Borehole Number: SB-21

Project: Remedial Investigation

A.K.A.:

Client: Carlo Group, LLC

Logged By: PWW

Site Location: 15 La Riviere Drive & 20 Wilkeson Way

Checked By: TAB



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SUBSURFACE PROFILE			SAMPLE				PID VOCs ppm 12.5 25	Lab Sample	Well Completion Details or Remarks
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol			
0.0	0.0	Ground Surface							
		Asphalt							
	1.0	Gravel Subbase Grey, moist, mostly fine gravel (angular), little fine to coarse sand, trace non-plastic fines, dense, loose when disturbed.	S-1	NA	3.7				
		Silty Sand with Fill Brown, moist, mostly fine to coarse sand, some non-plastic fines, trace fine gravel (sub-rounded), red brick fragments, wood debris, medium dense, loose when disturbed, slight petroleum-like odor							
	4.0	As above	S-2	NA	3.4			Sampled (1-6')	
5.0									
	8.0	As above, wet (10.0 fbgs)	S-3	NA	2.0				
10.0									
	12.0	Well Graded Sand with Fill Grey/brown, wet, mostly fine to coarse sand, trace non-plastic fines, loose, orange brick fragments, medium dense, rapid dilatency.	S-4	NA	3.0				
15.0	15.0	Sandy Lean Clay Black/dark grey, wet, mostly medium plasticity fines, some fine to coarse sand, stiff, massive, slight petroleum-like odor							
	16.0	As above.							
		End of boring 20.0 fbgs.					13.2	Sampled (18-20')	
20.0	20.0	End of Borehole							

Drilled By: Trec Environmental Inc.

Drill Rig Type: Geoprobe 540UD truck mounted rig

Drill Method: Direct push with 4' macro-core

Comments:

Drill Date(s): 7-31-15

Hole Size: 3-inch

Stick-up: NA

Datum: NA

Sheet: 1 of 1

Project No: 0136-013-002

Borehole Number: SB-22

Project: Remedial Investigation

A.K.A.:

Client: Carlo Group, LLC

Logged By: PWW

Site Location: 15 La Riviere Drive & 20 Wilkeson Way

Checked By: TAB



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(716) 856-0635

SUBSURFACE PROFILE			SAMPLE				PID VOCs ppm 12.5 25	Lab Sample	Well Completion Details or Remarks
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol			
0.0	0.0	Ground Surface							
	0.0	Asphalt					0.0		
	-1.0	Poorly Graded Gravel with Sand					0.0		
	1.0	Grey, moist, mostly fine gravel (angular), little fine to coarse sand, trace non-plastic fines, dense, loose when disturbed.	S-1	NA	3.5		0.0		
	-3.0	Sandy Lean Clay with Fill					0.0		
	3.0	Brown, moist, mostly medium plasticity fines, some fine to coarse sand, trace fine gravel, red brick fragments, stiff, massive.					0.0		
	-4.0	Silty Sand with fill					0.0		
	4.0	Grey, moist, mostly fine to coarse sand, some non-plastic fines, brick, concrete, slag, medium dense, loose when disturbed.	S-2	NA	3.9		0.0		
5.0		As above					0.0		
	-8.0	As above					0.0		
	8.0						0.0		
	-9.0	Well Graded Sand					0.0		
	9.0	Grey/brown, wet (10.0 fbgs), mostly fine to coarse sand, trace non-plastic fines, loose, massive	S-3	NA	4.0		0.0		
10.0		As above, wet					0.0		
	-12.0						0.0		
	12.0						0.0		
		End of boring 16.0 fbgs.	S-4	NA	4.0		0.0		
15.0							0.0		
	-16.0						0.0		
	16.0	End of Borehole					0.0		
20.0									

First water at 10.0 fbgs.

Drilled By: Trec Environmental Inc.

Drill Rig Type: Geoprobe 540UD truck mounted rig

Drill Method: Direct push with 4' macro-core

Comments:

Drill Date(s): 7-31-15

Hole Size: 3-inch

Stick-up: NA

Datum: NA

Sheet: 1 of 1

Project No: 0136-013-002

Borehole Number: SB-23

Project: Remedial Investigation

A.K.A.:

Client: Carlo Group, LLC

Logged By: PWW

Site Location: 15 La Riviere Drive & 20 Wilkeson Way

Checked By: TAB



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(716) 856-0635

SUBSURFACE PROFILE			SAMPLE				PID VOCs ppm 12.5 25	Lab Sample	Well Completion Details or Remarks
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol			
0.0	0.0	Ground Surface							
	0.3	Asphalt					0.0		
	1.0	Poorly Graded Gravel with Sand Grey, moist, mostly fine gravel (angular), little fine to coarse sand, trace non-plastic fines, dense, loose when disturbed.	S-1	NA	3.5		0.0		
		Sandy Lean Clay with Fill Brown, moist, mostly medium plasticity fines, some fine to coarse sand, trace fine gravel (sub-rounded), red brick fragments, stiff, massive.					0.0		
	4.0	Fill Concrete, brick, slag.					0.0		
	5.0		S-2	NA	3.9		0.0	Sampled (4-8')	
	8.0	As above.	S-3	NA	1.0		0.0		
	9.0	Equipment refusal at 9.0 fbgs.					0.0		
		End of Borehole							
10.0									

Drilled By: Trec Environmental Inc.

Drill Rig Type: Geoprobe 540UD truck mounted rig

Drill Method: Direct push with 4' macro-core

Comments:

Drill Date(s): 7-31-15

Hole Size: 3-inch

Stick-up: NA

Datum: NA

Sheet: 1 of 1

Project No: 0136-013-002

Borehole Number: SB-24

Project: Remedial Investigation

A.K.A.:

Client: Carlo Group, LLC

Logged By: PWW

Site Location: 15 La Riviere Drive & 20 Wilkeson Way

Checked By: TAB



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SUBSURFACE PROFILE			SAMPLE				PID VOCs ppm 12.5 25	Lab Sample	Well Completion Details or Remarks
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol			
0.0	0.0	Ground Surface							
	0.0	Asphalt					0.0		
	-1.0	Poorly Graded Gravel with Sand					0.0		
	1.0	Grey, moist, mostly fine gravel (angular), little fine to coarse sand, trace non-plastic fines, dense, loose when disturbed.	S-1	NA	3.9		0.0		
		Sandy Lean Clay with Fill					0.0		
		Brown, moist, mostly medium plasticity fines, some fine to coarse sand, trace rounded gravel, red brick fragments, stiff, massive.					0.0		
	-4.0	As above.					0.0		
	4.0						0.0		
5.0			S-2	NA	2.9		0.0		Sampled (3.5-8')
							0.0		
	-8.0	As above, wet (10.0 fbgs).					0.0		
	8.0						0.0		
10.0			S-3	NA	3.6		0.0		
							0.0		
	-11.0	Well Graded Sand					0.0		
	11.0	Grey/brown, wet, mostly fine to coarse sand, trace non-plastic fines, medium dense, rapid dilatency.					0.0		
	-12.0	As above.					0.0		
	12.0						0.0		
			S-4	NA	4.0		0.0		
		End of boring at 16.0 fbgs.					0.0		
	-16.0						0.0		
	16.0	End of Borehole					0.0		
20.0									

Drilled By: Trec Environmental Inc.

Drill Rig Type: Geoprobe 540UD truck mounted rig

Drill Method: Direct push with 4' macro-core

Comments:

Drill Date(s): 7-31-15

Hole Size: 3-inch

Stick-up: NA

Datum: NA

Sheet: 1 of 1

Project No: 0136-013-002

Borehole Number: SB-25

Project: Remedial Investigation

A.K.A.:

Client: Carlo Group, LLC

Logged By: PWW

Site Location: 15 La Riviere Drive & 20 Wilkeson Way

Checked By: TAB



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SUBSURFACE PROFILE			SAMPLE				PID VOCs ppm 12.5 25	Lab Sample	Well Completion Details or Remarks
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol			
0.0	0.0	Ground Surface							
	0.0	Asphalt					0.0		
	-1.0	Poorly Graded Gravel with Sand					0.0		
	1.0	Grey, moist, mostly fine gravel (angular), little fine to coarse sand, trace non-plastic fines, dense, loose when disturbed.	S-1	NA	3.3				
		Silty Sand with Fill					0.0		
		Brown, moist, mostly fine to coarse sand, some non-plastic fines, trace fine gravel (sub-rounded), red brick fragments, wood debris, loose when disturbed.							
	-4.0	As above.					0.0		
	4.0								
5.0			S-2	NA	3.1		0.0		
							0.0		
	-8.0	As above.					0.0		
	8.0								
	-9.0						0.0		
	9.0	Sandy Lean Clay							
10.0		Black/dark grey, wet (10.0 fbgs), mostly medium plasticity fines, some fine to coarse sand, stiff, massive.	S-3	NA	3.9		0.0		
	-11.0						0.0		
	11.0	Well Graded Sand							
	-12.0	Dark Grey, wet, mostly fine to coarse sand, trace non-plastic fines, medium dense, loose when disturbed.					0.0		
	12.0	As above.							
		End of boring 16.0 fbgs.	S-4	NA	4.0		0.0		
15.0							0.0		
	-16.0						0.0		
	16.0	End of Borehole							
20.0									

First water 10.0.

Drilled By: Trec Environmental Inc.

Drill Rig Type: Geoprobe 540UD truck mounted rig

Drill Method: Direct push with 4' macro-core

Comments:

Drill Date(s): 7-31-15

Hole Size: 2"

Stick-up: NA

Datum: NA

Sheet: 1 of 1

Project No: 0136-013-002

Borehole Number: SB-26

Project: Remedial Investigation

A.K.A.:

Client: Carlo Group, LLC

Logged By: PWW

Site Location: 15 La Riviere Drive & 20 Wilkeson Way

Checked By: TAB



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SUBSURFACE PROFILE			SAMPLE				PID VOCs ppm 12.5 25	Lab Sample	Well Completion Details or Remarks
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol			
0.0	0.0	Ground Surface							
	0.0	Asphalt					0.0		
	-1.0	Poorly Graded Gravel with Sand					0.0		
	1.0	Grey, moist, mostly fine gravel (angular), little fine to coarse sand, trace non-plastic fines, dense, loose when disturbed.	S-1	NA	3.5				
		Sandy Lean Clay with Fill					0.0		
		Brown, moist, mostly medium plasticity fines, some fine to coarse sand, trace fine gravel (sub-rounded), red brick fragments, stiff, massive.							
	-4.0	Fill					0.0		
	4.0	Concrete, brick, slag.	S-2	NA	3.9				
5.0							0.0		
							0.0		
	-8.0	Silty Sand					0.0		
	8.0	Dark Grey, wet (8.0 fbgs), mostly fine to coarse sand, some non-plastic fines, medium dense, rapid dilatancy.	S-3	NA	4.0				
10.0							0.0		
							0.0		
	-12.0	Well Graded Sand					0.0		
	12.0	Grey/brown, wet, mostly fine to coarse sand, trace non-plastic fines, medium dense, rapid dilatancy.	S-4	NA	4.0				
15.0							0.0		
							0.0		
	-16.0	End of Borehole					0.0		
	16.0								
20.0									

First water 8.0 fbgs.

Drilled By: Trec Environmental Inc.

Drill Rig Type: Geoprobe 540UD truck mounted rig

Drill Method: Direct push with 4' macro-core

Comments:

Drill Date(s): 7-31-15

Hole Size: 3-inch

Stick-up: NA

Datum: NA

Sheet: 1 of 1

Project No: 0136-013-002

Borehole Number: BCP-MW-1

Project: Remedial Investigation

A.K.A.:

Client: Carlo Group, LLC

Logged By: TAB

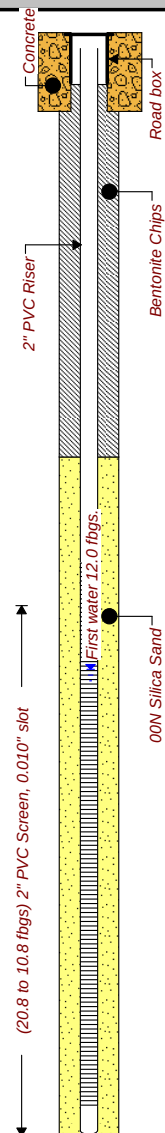
Site Location: 15 La Riviere Drive & 20 Wilkeson Way

Checked By:



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2558 Hamburg Turnpike, Suite 300
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SUBSURFACE PROFILE			SAMPLE				PID VOCs ppm 12.5 25	Lab Sample	Well Completion Details or Remarks
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol			
0.0	499.4 0.0	Ground Surface							
	498.8 0.6	Clayey Sand Brown, moist, mostly fine sand, some low plasticity fines, grass and roots, medium dense, loose when disturbed.					0.0		
	497.4 2.0	Lean Clay with Sand Reddish brown, moist, mostly medium plasticity fines, little fine sand, stiff, massive, medium dry strength, medium toughness.	C1	NA	4.0		0.0		
	495.4 4.0	Silty Sand with Fill Brown/black, moist, mostly fine sand, little non-plastic fines, orange brick, concrete, medium dense, loose when disturbed.					0.0		
5.0	493.4 6.0	As above.	C2	NA	3.4		0.0	Sampled (4-6')	
	492.4 7.0	Concrete Concrete					0.0		
	491.4 8.0	Sandy Lean Clay Reddish brown, moist, mostly medium plasticity fines, some fine sand (black and grey fine sand partings), stiff, massive, medium toughness, medium dry strength.					0.0		
10.0		As above, railroad tie at 12.0 fbgs.	C3	NA	2.2		0.0		
	487.4 12.0	Poorly Graded Sand with Silt and Gravel and Fill Grey/Black, wet (wet 12.0 fbgs), mostly fine sand, little fine gravel (angular asphalt), few non-plastic fines, medium dense, loose when disturbed.					0.0		
	485.4 14.0	Sandy Lean Clay Reddish brown, wet, mostly medium plasticity fines, some fine sand, soft, massive, medium toughness, medium dry strength.	C4	NA	2.3		0.0		
15.0	483.4 16.0	Poorly Graded Sand with Silt Grey/black, wet, mostly fine sand, few non-plastic fines, few fine gravel (sub-angular gravel), orange brick, medium dense, rapid dilatency.					0.0		
		End of boring at 20.0 fbgs.	C5	NA	2.0		0.0		
20.0	479.4 20.0	End of Borehole					0.0		



Drilled By: Natures Way Environmental
Drill Rig Type: Earthprobe 200/ Diedrich D50
Drill Method: Direct push/ followed by 4-1/4 hollow stem augers.
Comments:
Drill Date(s): 11/16/15 & 11/18/15

Hole Size: 8 1/2-inch borehole
Stick-up: Flush Mount.
Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0136-013-002

Borehole Number: BCP-MW-2

Project: Remedial Investigation

A.K.A.:

Client: Carlo Group, LLC

Logged By: TAB

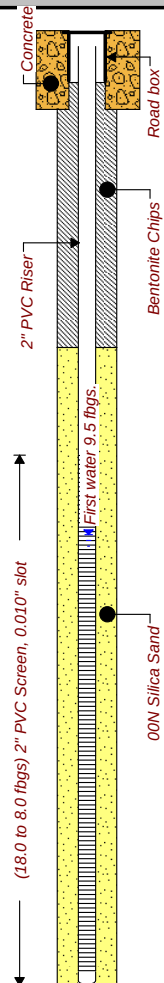
Site Location: 15 La Riviere Drive & 20 Wilkeson Way

Checked By:



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

SUBSURFACE PROFILE			SAMPLE				PID VOCs ppm 12.5 25	Lab Sample	Well Completion Details or Remarks
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol			
0.0	498.5 0.0 497.9 0.6	Ground Surface							
		Clayey Sand Brown, moist, mostly fine sand, little low plasticity fines, soft, organic debris (grass and roots).					0.0		
	496.5 2.0	Lean Clay Reddish brown, moist, mostly medium plasticity fines, few fine sand, medium toughness, medium dry strength, stiff, massive.	C1	NA	3.5		0.0		
	494.5 4.0	Poorly Graded Sand with Silt and Fill Brown, moist, mostly fine sand, few non-plastic fines, medium dense, loose when disturbed, concrete and brick.					0.0		
5.0	493.0 5.5	As above.	C2	NA	3.9		0.0		
	490.5 8.0	Sandy Lean Clay Grey/black, moist, mostly low plasticity fines, little fine sand, stiff, medium toughness, medium dry strength, massive.					0.0		
		Silty Sand Grey, wet (9.5 fbgs), mostly fine sand, few non-plastic fines, medium dense, loose when disturbed.					0.0		
10.0	488.5 10.0	Lean Clay with Sand. Grey, moist, mostly medium plasticity fines, little fine sand, medium toughness, medium dry strength, stiff, massive, iron staining, rootlets.	C3	NA	3.3		0.0		
	486.5 12.0	Poorly graded sand with Silt. Brown/grey, wet, mostly fine sand, few non-plastic fines, medium dense, rapid dilatancy.					0.0		
			C4	NA	2.2		0.0		
15.0							0.0		
	482.5 16.0	As above.					0.0		
							0.0		
	479.5 19.0	As above, Grey/brown, trace fine gravel (sub-rounded), hard, slow dilatancy.					0.0		
20.0	478.5 20.0	End of borehole 20.0 fbgs.					0.0		
		End of Borehole							



Drilled By: Natures Way Environmental
Drill Rig Type: Earthprobe 200/Diedrich D50
Drill Method: Direct push/ followed by 4-1/4 hollow stem augers.
Comments:
Drill Date(s): 11/16/15 & 11/17/15

Hole Size: 8 1/2-inch borehole
Stick-up: Flush Mount.
Datum: Mean Sea Level
Sheet: 1 of 1

Project No: 0136-013-002

Borehole Number: BCP-MW-3

Project: Remedial Investigation

A.K.A.:

Client: Carlo Group, LLC

Logged By: TAB

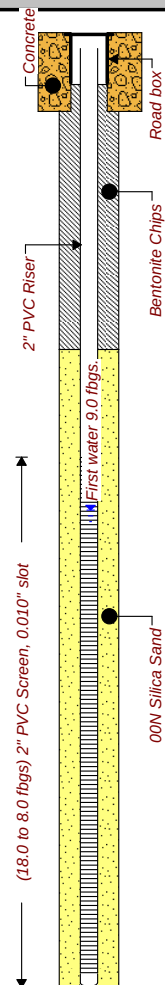
Site Location: 15 La Riviere Drive & 20 Wilkeson Way

Checked By:



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2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0635

SUBSURFACE PROFILE			SAMPLE				PID VOCs ppm 12.5 25	Lab Sample	Well Completion Details or Remarks
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol			
0.0	498.7 0.0	Ground Surface							
	498.1 0.6	Sandy Silt with Fill Brown, moist, mostly non-plastic fines, some fine sand, grass and roots, trace cinders, medium dense loose when disturbed.					0.0		
	496.7 2.0	As above, no grass and roots, few fine gravels (sub-rounded), medium dense, loose when disturbed.	C1	NA	3.3		0.0		
	494.7 4.0	Silty Sand with Gravel and Fill Black, moist, mostly fine sand, little non-plastic fines, little fine gravel (slag), cinders, orange brick, medium dense, loose when disturbed.					0.0		
5.0	492.7 6.0	As above, with white ash.					0.0		
	490.7 8.0	Silty Sand Brown, moist, mostly fine sand, little non-plastic fines, medium dense, loose when disturbed, iron staining.	C2	NA	3.3		0.0		
	488.7 10.0	As above, wet (9.0 fbgs), medium dense, rapid dilatancy, organic debris (wood fragments).					0.0		
10.0	486.7 12.0	Lean Clay with Sand. Grey, moist, mostly medium plasticity fines, little fine sand, medium toughness, medium dry strength, stiff, massive, iron staining.	C3	NA	3.0		0.0		
		Poorly graded sand with silt. Brown, wet, mostly fine sand, few non-plastic fines, medium dense, rapid dilatancy.					0.0		
			C4	NA	3.8		0.0		
15.0	482.7 16.0	No recovery.					0.0		
		End of boring 20.0 fbgs.					0.0		
			C5	NA	0.0		0.0		
20.0	478.7 20.0	End of Borehole							



Drilled By: Natures Way Environmental
Drill Rig Type: Earthprobe 200/Diedrich D50
Drill Method: Direct push/ followed by 4-1/4 hollow stem augers.
Comments:
Drill Date(s): 11/16/15 & 11/17/15

Hole Size: 8 1/2-inch borehole
Stick-up: Flush Mount
Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0136-013-002

Borehole Number: BCP-MW-4

Project: Remedial Investigation

A.K.A.:

Client: Carlo Group, LLC

Logged By: TAB

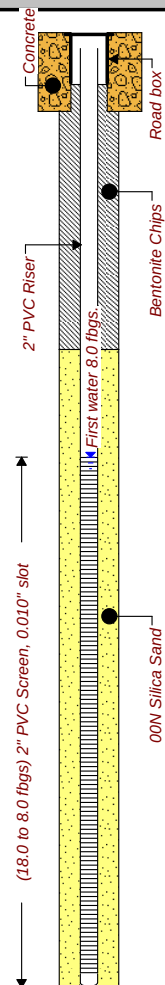
Site Location: 15 La Riviere Drive & 20 Wilkeson Way

Checked By:



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2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0635

SUBSURFACE PROFILE			SAMPLE				PID VOCs ppm 12.5 25	Lab Sample	Well Completion Details or Remarks
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol			
0.0	497.2 0.0	Ground Surface							
		Asphalt							
	495.7 1.5	Poorly Graded Gravel with Sand Grey, moist, mostly fine gravel (angular), little fine to coarse sand, dense, loose when disturbed.	C1	NA	3.0		0.0		
		Poorly Graded Sand with Silt Brown/grey, moist, mostly fine sand, few non-plastic fines, trace fine gravel (sub-rounded), medium dense, loose when disturbed.					0.0		
	493.2 4.0	Fill Brown/black, orange brick, concrete, cinders and ash.					0.0		
5.0	491.2 6.0	Sandy Lean Clay Brown/grey, moist, medium plasticity fines, some fine sand, stiff massive, medium toughness, medium dry strength.	C2	NA	3.5		0.0		
	489.2 8.0	As above.					0.0		
10.0			C3	NA	1.4		0.0		
	485.2 12.0	Poorly Graded Sand with Silt As (1.5 to 4.0) above, grey, no trace fine gravel.					0.0		
			C4	NA	2.9		0.0		
15.0	481.2 16.0	Sandy Lean Clay As (6.0 to 8.0 fbgs) above.					0.0		
		End of boring 20.0 fbgs.	C5	NA	2.5		0.0		
20.0	477.2 20.0	End of Borehole							



Drilled By: Natures Way Environmental
Drill Rig Type: Earthprobe 200/Diedrich D50
Drill Method: Direct push/ followed by 4-1/4 hollow stem augers.
Comments:
Drill Date(s): 11/16/15 & 11/19/15

Hole Size: 8 1/2-inch borehole
Stick-up: Flush Mount.
Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0136-013-002

Borehole Number: BCP-MW-5

Project: Remedial Investigation

A.K.A.:

Client: Carlo Group, LLC

Logged By: TAB

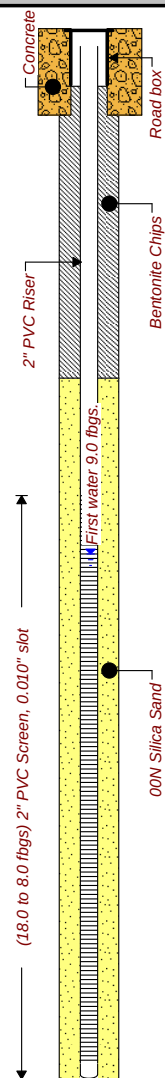
Site Location: 15 La Riviere Drive & 20 Wilkeson Way

Checked By:



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2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0635

SUBSURFACE PROFILE			SAMPLE				PID VOCs ppm 12.5 25	Lab Sample	Well Completion Details or Remarks
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol			
0.0	497.9 0.0	Ground Surface							
		Asphalt							
	496.4 1.5 495.9 2.0	Poorly Graded Gravel with Sand Grey, moist, mostly fine gravel (angular), little fine to coarse sand, dense, loose when disturbed.	S1	NA	1.4		0.0		
		Poorly Graded Sand with Silt Brown/grey, moist, mostly fine sand, few non-plastic fines, medium dense, loose when disturbed.	S2	NA	1.4		0.0		
	493.9 4.0	Silty Sand with Fill Dark grey, moist, mostly fine sand, some non-plastic fines, orange brick fragments, dense, loose when disturbed.	S3	NA	0.0		0.0		
5.0		No Recovery.							
	491.9 6.0	Poorly graded Sand with Silt and Fill Grey, moist, mostly fine sand, few non-plastic fines, orange brick, iron staining, dense, loose when disturbed.	S4	NA	1.0		0.0		
	489.9 8.0	Poorly graded Sand with Silt and Gravel Grey, wet (9.0 fbgs), mostly medium sand, little fine gravel (sub-rounded), few non-plastic fines, medium dense, slow dilatancy.	S5	NA	0.9		0.0		
10.0	487.9 10.0	As above, rapid dilatancy.	S6	NA	1.2		0.0		
	485.9 12.0	As above	S7	NA	1.4		0.0		
15.0	483.9 14.0	Sandy Lean Clay Grey, wet, mostly, medium plasticity fines, some fine sand, stiff, laminated, rootlets, medium toughness, medium dry strength.	S8	NA	1.8		0.0		
	481.9 16.0	Poorly Graded Sand with Gravel Grey, wet, mostly fine sand, little medium to coarse sand, little fine gravel (sub-rounded), trace non-plastic fines, medium dense, rapid dilatancy.	S9	NA	0.7		0.0		
	479.9 18.0	End of boring 20.0 fbgs.							
20.0		End of Borehole							



Drilled By: Natures Way Environmental
Drill Rig Type: Earthprobe 200/Diedrich D50
Drill Method: Direct push/ followed by 4-1/4 hollow stem augers.
Comments:
Drill Date(s): 11/17/15

Hole Size: 8 1/2-inch borehole
Stick-up: Flush Mount.
Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0136-013-002

Borehole Number: BCP-MW-6

Project: Remedial Investigation

A.K.A.:

Client: Carlo Group, LLC

Logged By: TAB

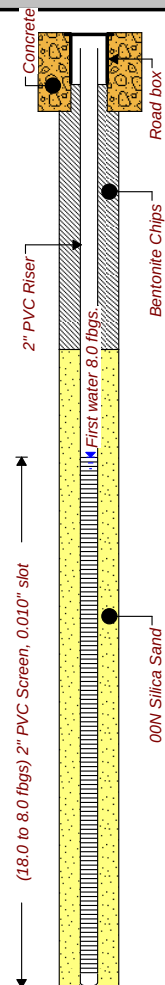
Site Location: 15 La Riviere Drive & 20 Wilkeson Way

Checked By:



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2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
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SUBSURFACE PROFILE			SAMPLE				PID VOCs ppm 12.5 25	Lab Sample	Well Completion Details or Remarks
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol			
0.0	496.5 0.0	Ground Surface							
		Asphalt							
		Poorly Graded Gravel with Sand							
	495.0 1.5	Grey, moist, mostly fine gravel (angular), little fine to coarse sand, dense, loose when disturbed.	C1	NA	3.5		0.0		
		Poorly Graded Sand with Silt and Fill							
		Brown/black, moist, mostly fine sand, few non-plastic fines, medium dense, loose when disturbed, concrete and brick.					0.0		
	492.5 4.0	As above, brown.					0.0		
5.0			C2	NA	2.2		0.0		
							0.0		
	488.5 8.0	Poorly Graded Sand with Silt.					0.0		
		Brown/grey, wet (8.0 fbgs), mostly fine sand, few non-plastic fines, medium dense, rapid dilatency.					0.0		
10.0			C3	NA	3.0		0.0		
							0.0		
	484.5 12.0	As above.					0.0		
			C4	NA	3.5		0.0		
							0.0		
15.0							0.0		
	480.5 16.0	As above.					0.0		
			C5	NA	0.8		0.0		
							0.0		
20.0	476.5 20.0	End of boring 20.0 fbgs.					0.0		
							0.0		
		End of Borehole							



Drilled By: Natures Way Environmental
Drill Rig Type: Earthprobe 200/Diedrich D50
Drill Method: Direct push/ followed by 4-1/4 hollow stem augers.
Comments:
Drill Date(s): 11/16/15 & 11/19/15

Hole Size: 8 1/2-inch borehole
Stick-up: Flush Mount.
Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0136-013-002

Borehole Number: BCP-MW-7

Project: Remedial Investigation

A.K.A.:

Client: Carlo Group, LLC

Logged By: TAB

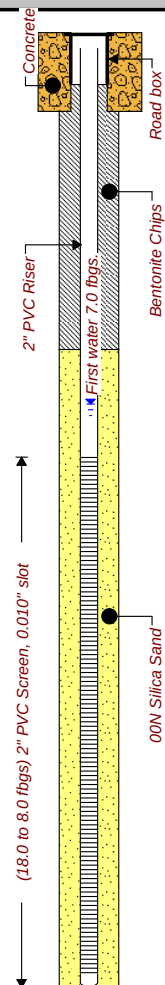
Site Location: 15 La Riviere Drive & 20 Wilkeson Way

Checked By:



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SUBSURFACE PROFILE			SAMPLE				PID VOCs ppm 12.5 25	Lab Sample	Well Completion Details or Remarks
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol			
0.0	496.5 0.0	Ground Surface							
		Asphalt							
		Poorly Graded Gravel with Sand Grey, moist, mostly fine gravel (angular), little fine to coarse sand, dense, loose when disturbed.	C1	NA	3.3		0.0		
	495.0 1.5	Poorly Graded Sand with Silt and Fill Brown/black, moist, mostly fine sand, little fine gravel (angular), few non-plastic fines, medium dense, loose when disturbed, cinders and ash.					0.0		
	492.5 4.0	As above.	C2	NA	3.0		0.0	Sample Location (4.0 - 6.0')	
	489.5 7.0	Sandy Lean Clay Brown, wet (7.0 fbgs.), mostly low plasticity fines, some fine sand, trace fine gravel (sub-rounded), soft, medium toughness, medium dry strength, massive.					0.0		
	488.5 8.0	Poorly Graded Sand with Silt and Gravel Brown, wet, mostly medium sand, little fine gravel (sub-rounded), few non-plastic fines, medium dense, rapid dilatancy.	C3	NA	1.9		0.0		
	484.5 12.0	As above.	C4	NA	2.6		0.0		
	480.5 16.0	As above, grey.	C5	NA	3.1		0.0		
		End of boring 20.0 fbgs.					0.0		
20.0	476.5 20.0	End of Borehole							



Drilled By: Natures Way Environmental
Drill Rig Type: Earthprobe 200/Diedrich D50
Drill Method: Direct push/ followed by 4-1/4 hollow stem augers.
Comments:
Drill Date(s): 11/16/15 & 11/18/15 - 11/19/15

Hole Size: 8 1/2-inch borehole
Stick-up: Flush Mount.
Datum: Mean Sea Level

Sheet: 1 of 1

HISTORIC BOREHOLE & TEST PIT LOGS

Project No: 0136-013-002

Borehole Number: SB-1

Project: 15 LaRiviere Dr. & 20 Wilkeson Way Site

A.K.A.:

Client: Ellicott Development Company

Logged By: PWV

Site Location: 15 LaRiviere Dr. & 20 Wilkeson Way

Checked By: BCH



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Buffalo, NY 14218
(716) 856-0635

SUBSURFACE PROFILE			SAMPLE				PID VOCs ppm 12.5 25	Lab Sample	Well Completion Details or Remarks
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol			
0.0	0.0	Ground Surface							
	0.0	Asphalt							
	-2.0	Gravel Subbase	S-1	20	0.9		0.0		
	2.0	Sandy Lean Clay with Fill Brown, moist, mostly medium plasticity fines, some fine to coarse sand, pieces of red brick, wood debris, petroleum-like odor, hard	S-2	49	1.8		4.5	Sampled (2-4')	
	-4.0	As above, blackish brown	S-3	14	1.3		0.0		
5.0	4.0	Sandy Lean Clay Brown, moist, mostly medium plasticity fines, little fine to coarse sand, few angular medium gravel, massive, stiff	S-4	15	1.8		0.0		
	-8.0	Well Graded Sand Brown, moist to wet (9'), mostly fine to coarse sand, trace non-plastic fines, massive, medium dense, loose (when disturbed)	S-5	15	1.0		0.0		
10.0	8.0		S-6	4	1.1		0.0		
	-12.0	Silty Sand Brownish grey, wet, mostly fine to coarse sand with some non-plastic fines, very loose, massive	S-7	4	2.0		0.0		
	12.0						0.0		
15.0	-15.0	Well Graded Sand Brownish grey, wet, mostly fine to coarse sand with few fine to medium rounded gravel, trace non-plastic fines, loose (when disturbed)	S-8	10	1.0		0.0		
	15.0						0.0		
20.0	-20.0	As above, wet, medium dense	S-9	19	1.0		0.0		
	20.0						0.0		
25.0	-26.0	Sandy Lean Clay (Till) Brownish grey, wet, mostly medium plasticity fines, some fine to coarse sand, few rounded gravel, stiff, massive	S-10	3	1.5		0.0		
	26.0						0.0		
	-28.3								Refusal @ 28.3 fbgs
30.0	28.3	End of Borehole							

Drilled By: SJB

Drill Rig Type: TCX-850

Drill Method: 4.25" HSA with 2' split spoon

Comments: Continuous split spoon sampling to 14 fbgs, standard sampling thereafter

Drill Date(s): 4-2-13

Hole Size: 10"

Stick-up: NA

Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0136-013-002

Borehole Number: SB-2

Project: 15 LaRiviere Dr. & 20 Wilkeson Way Site

A.K.A.:

Client: Ellicott Development Company

Logged By: PWW

Site Location: 15 LaRiviere Dr. & 20 Wilkeson Way

Checked By: BCH



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Buffalo, NY 14218
(716) 856-0635

SUBSURFACE PROFILE			SAMPLE				PID VOCs ppm 12.5 25	Lab Sample	Well Completion Details or Remarks
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol			
0.0	0.0	Ground Surface							
	0.0	Asphalt							
	-2.0	Gravel Subbase	S-1	14	0.9		0.0		
	2.0	Sandy Lean Clay with Fill Brown, moist, mostly medium plasticity fines, some fine to coarse sand, trace rounded gravel, pieces of red brick, hard, massive	S-2	49	1.2		0.0		
5.0	-4.0	As above, blackish brown	S-3	8	0.6		0.0		
	4.0	Well Graded Sand with Fill Brown, moist, mostly fine to coarse sand with trace non-plastic fines, red brick pieces, loose when disturbed	S-4	12	1.2		0.0		
	-6.0		S-5	5	0.6		0.0		
	6.0	Sandy Lean Clay with Fill Brown, moist to wet (10'), mostly medium plasticity fines, some fine to coarse sand, brick fill, massive, firm to stiff	S-6	6	1.0		10.0	sampled (10-12)	
		petroleum like odor	S-7	7	1.1		10.0		
15.0			S-8	6	1.5		0.0		
			S-9	10	0.5				
20.0	-20.0	Sandy Lean Clay Grey, moist, mostly medium plasticity fine, some fine to coarse sand, firm, massive	S-10	NA	1.6		0.0		
	20.0								
25.0	-25.0	As above, soft	S-11	3	2.0		0.0		
	25.0								
30.0	-30.0	Sandy Lean Clay (Till) Grey, moist, mostly medium plasticity fines, some fine to coarse sand, few rounded gravel, very stiff	S-12	NA	0.7				
	30.0	End of Borehole							Refusal @ 30.7 fbgs
35.0									

Drilled By: SJB

Drill Rig Type: TCX-850

Drill Method: 4.25" HSA with 2' split spoon

Comments: Continuous split spoon sampling till 18 fbgs, standard sampling thereafter

Drill Date(s): 4-1-13

Hole Size: 4"

Stick-up: NA

Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0136-013-002

Borehole Number: SB-3

Project: 15 LaRiviere Dr & 20 Wilkeson Way Site

A.K.A.:

Client: Ellicott Development Company

Logged By: PWW

Site Location: 15 LaRiviere Dr. & 20 Wilkeson Way

Checked By: BCH



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

SUBSURFACE PROFILE			SAMPLE				PID VOCs ppm 0 12.5 25	Lab Sample	Well Completion Details or Remarks
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol			
0.0	0.0	Ground Surface							
	0.0	Asphalt							
	-2.0	Gravel Subbase	S-1	13	1.1		0.0		
	2.0	Sandy Lean Clay Black, moist, mostly medium plasticity fines, some coarse to fine sand, stiff, massive	S-2	26	1.0		0.0		
5.0	-6.0	Well Graded Sand Grey, moist, mostly fine to coarse sand with few subrounded fine gravel, trace non-plastic fines, loose (when disturbed) to medium dense, massive	S-3	11	0.8		0.0		
	6.0	Sandy Lean Clay with Fill Brown, moist, mostly medium plasticity fines, some fine to coarse sand, red brick and slag pieces, firm to stiff, massive	S-4	11	0.8		0.0		
10.0	-10.0	As above, grey, moist to wet (10'), firm	S-5	6	1.4		0.0		
	10.0		S-6	5	1.8		0.0		
			S-7	5	2.0		0.0		
15.0			S-8	5	0.0		0.0		
20.0	-20.0	As above, moist, stiff							
	20.0		S-8	9	1.3		0.0		
25.0	-25.0	Sandy Lean Clay (Till) Grey, moist, mostly medium plasticity fines, some fine to coarse sand, few rounded gravel, hard, massive	S-9	57	1.0		0.0		
30.0	-30.2	End of Borehole							
	30.2								
35.0									

DTW 10 fbgs

Refusal @ 30.2 fbgs

Drilled By: SJB

Drill Rig Type: TCX-850

Drill Method: 4.25" HSA with 2' splitspoon mpling

Comments: Continuous split spoon sampling to 16 fbgs, standard sampling thereafter

Drill Date(s): 4-1-13

Hole Size: 10"

Stick-up: NA

Datum: Mean Sea Level

Sheet: 1 of 1

Borehole Number: SB-4

Project: 15 LaRiviere Dr. & 20 Wilkeson Way Site

A.K.A.:

Client: Ellicott Development Company

Logged By: PWW

Site Location: 15 LaRiviere Dr. & 20 Wilkeson Way

Checked By: BCH



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2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0635

SUBSURFACE PROFILE			SAMPLE				PID VOCs ppm 0 12.5 25		Lab Sample	Well Completion Details or Remarks
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol				
0.0	0.0 0.0	Ground Surface								DTW 10 fbgs
		Aphalt					0.0			
		Gravel Subbase	S-1	14	1.2		0.0			
	-2.0 2.0	Sandy Lean Clay with Fill Brown, moist, mostly medium plasticity fines, some fine to coarse sand, few little rounded gravel, pieces of red brick, stiff to very stiff	S-2	21	1.4		0.0			
	-4.0 4.0	As above, blackish brown	S-3	12	0.9		0.0			
5.0		Well Graded Sand with Fill Brown, moist, mostly fine to coarse sand with trace non-plastic fines, red brick, loose (when disturbed) to medium dense	S-4	6	1.0		0.0			
	-8.0 8.0	Silty Sand with Fill Grey, moist to wet (10'), mostly fine to coarse sand with some non-plastic fines, brick pieces, very loose to medium dense, massive	S-5	NA	0.3		0.0			
10.0			S-6	1	1.0		0.0			
			S-7	19	2.0					
15.0	-15.0 15.0	Sandy Lean Clay Grey, moist, mostly medium plasticity fines, some fine to coarse sand, very soft, massive	S-8	2	2.0		0.0			
							0.0			
20.0	-20.0 20.0	Sandy Lean Clay (Till) Grey, moist, mostly medium plasticity fines with little fine to coarse sand, few rounded gravel, very stiff	S-9	16	1.8		0.0			
25.0	-25.0 25.0	As above, moist, hard	S-10	34	1.6		0.0			
	-27.2 27.2	End of Borehole							Refusal @ 27.2 fbgs	
30.0										

Drilled By: SJB

Drill Rig Type: TCX-850

Drill Method: 4.25" HSA with 2' split spoon

Comments: Continuous split spoon sampling to 14 fbgs, standard sampling thereafter

Drill Date(s): 4-1-13

Hole Size: 10"

Stick-up: NA

Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0136-013-002

Borehole Number: SB-5

Project: 15 LaRiviere Dr. & 20 Wilkeson Way Site

A.K.A.:

Client: Ellicott Development Company

Logged By: PWW

Site Location: 15 LaRiviere Dr. & 20 Wilkeson Way

Checked By: BCH



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SUBSURFACE PROFILE			SAMPLE				PID VOCs ppm 12.5 25	Lab Sample	Well Completion Details or Remarks
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol			
0.0	0.0	Ground Surface							
	0.0	Asphalt							
	-0.5	Gravel Subbase							
	0.5		S-1	17	1.3		0.0		
	-2.0	Well Graded Sand with Fill							
	2.0	Brown, moist, mostly fine to coarse sand, few fine rounded gravel, trace non-plastic fines, red brick pieces, very dense	S-2	62	1.2		0.0		
	-4.0	As above, moist, medium sense							
	4.0		S-3	13	1.5		0.0		
5.0									
	-6.0	Sandy Lean Clay with Gravel							
	6.0	Brown, moist, mostly medium plasticity fines, little fine to coarse sand, few angular fine gravel, massive, stiff	S-4	11	1.0		0.0		
	-8.0	As above							
	8.0		S-5	15	1.0		0.0		
10.0	-10.0	End of Borehole							
	10.0								

Drilled By: SJB

Drill Rig Type: TCX-850

Drill Method: 4.25" HSA with 2' split spoon

Comments: Continuous split spoon sampling

Drill Date(s): 4-5-13

Hole Size: 10"

Stick-up: NA

Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0136-013-002

Borehole Number: SB-6

Project: 15 LaRiviere Dr. & 20 Wilkeson Way Site

A.K.A.:

Client: Ellicott Development Company

Logged By: PWW

Site Location: 15 LaRiviere Dr. & 20 Wilkeson Way

Checked By: BCH



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SUBSURFACE PROFILE			SAMPLE				PID VOCs ppm 12.5 25	Lab Sample	Well Completion Details or Remarks
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol			
0.0	0.0	Ground Surface							
	0.0	Asphalt							
	-0.5	Well Graded Sand with Gravel							
	0.5	Brown, moist, mostly fine to coarse sand with little fine angular gravel, trace non-plastic fines, medium dense, loose (when disturbed)	S-1	23	1.2		0.0		
	-2.0	Sandy Lean Clay with Gravel with Fill							
	2.0	Brown, moist, mostly medium plasticity fines, some fine to coarse sand and little fine to coarse angular gravel, red brick pieces, very stiff	S-2	24	1.5		0.0		
	-4.0	As above, firm							
	4.0		S-3	6	0.0		0.0		
5.0									
	-6.0	As above							
	6.0		S-4	8	0.6		0.0		
	-8.0	As above							
	8.0		S-5	5	1.0		0.0		
10.0	-10.0	End of Borehole							
	10.0								

Drilled By: SJB

Drill Rig Type: TCX-850

Drill Method: 4.25" HSA with 2' split spoon

Comments: Continuous split spoon sampling

Drill Date(s): 4-5-13

Hole Size: 10"

Stick-up: NA

Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0136-013-002

Borehole Number: SB-7

Project: 15 LaRiviere Dr. & 20 Wilkeson Way Site

A.K.A.:

Client: Ellicott Development Company

Logged By: PWW

Site Location: 15 LaRiviere Dr. & 20 Wilkeson Way

Checked By: BCH



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SUBSURFACE PROFILE			SAMPLE				PID VOCs ppm 12.5 25	Lab Sample	Well Completion Details or Remarks
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol			
0.0	0.0	Ground Surface							
	0.0	Asphalt					0.0		
	-2.0	Gravel Subbase	S-1	25	1.0		0.0		
	2.0	Sandy Lean Clay with Fill					0.0		
	-4.0	Blackish brown, moist, mostly medium plasticity fines, some fine to coarse sand and few fine to medium angular gravel, red brick and slag pieces, hard	S-2	31	1.1		4.0		
5.0	4.0	As above, brown, sulfur-like odor, stiff	S-3	12	1.2			sampled (4-6')	
	-6.0	Well Graded Sand with Silt and Fill					0.0		
	6.0	Greyish brown, moist, mostly fine to coarse sand with few non-plastic fines, trace rounded gravel, wood debris, massive, loose (when disturbed)	S-4	10	1.9		0.0		
	-8.0	Well Graded Sand	S-5	10	2.0		0.0		
10.0	8.0	Brownish grey, moist to wet (10'), mostly fine to coarse sand, few non-plastic fines, massive, loose (when disturbed)	S-6	7	2.0		0.0		
			S-7	6	2.0		0.0		
15.0	-15.0	Silty Sand					0.0		
	15.0	Brownish grey, moist, mostly fine to coarse sand, little non-plastic fines, very loose, massive	S-8	WH	2.0		0.0		
20.0	-20.0	Well Graded Sand with Gravel					0.0		
	20.0	Brownish grey, wet, mostly fine to coarse sand, some fine to coarse rounded gravel, trace non-plastic fines, loose, massive	S-9	6	2.0		0.0		
25.0	-25.0	Sandy Lean Clay (Till)					0.0		
	25.0	Brownish grey, wet, mostly medium plasticity fines, some fine to coarse sand, few fine rounded gravel, hard, massive	S-10	77	1.8		0.0		
	-27.6	End of Borehole							Refusal @ 27.6 fbgs
30.0	27.6								

Drilled By: SJB

Drill Rig Type: TCX-850

Drill Method: 4.25" HSA with 2' split spoon

Comments: Continuous split spoon sampling to 14 fbgs, standard sampling thereafter

Drill Date(s): 4-3-13

Hole Size: 10"

Stick-up: NA

Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0136-013-002

Borehole Number: SB-8

Project: 15 LaRiviere Dr. & 20 Wilkeson Way Site

A.K.A.:

Client: Ellicott Development Company

Logged By: PWV

Site Location: 15 LaRiviere Dr. & 20 Wilkeson Way

Checked By: BCH



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SUBSURFACE PROFILE			SAMPLE				PID VOCs ppm 12.5 25	Lab Sample	Well Completion Details or Remarks
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol			
0.0	0.0	Ground Surface							
	0.0	Asphalt							
	-2.0	Concrete	S-1	23	0.8		0.0		
	2.0	Sandy Lean Clay Blackish brown, moist, mostly medium plasticity fines, some fine to coarse sand, trace fine to coarse angular gravel, red brick pieces, stiff to very stiff	S-2	19	1.2		0.0		
5.0			S-3	14	2.0		0.0		
	-6.0	As above, brown	S-4	10	1.7		0.0		
	6.0		S-5	22	0.8		0.0		
10.0			S-6	NA	0.0		0.0		
	-12.0	Sandy Lean Clay with Fill Greyish brown, moist to wet (12'), mostly medium plasticity fines some fine to coarse sand, few angular gravel, brick pieces, massive, firm to hard	S-7	7	1.0		0.0		
	12.0		S-8	50	0.6		0.0		
15.0									
	-18.0	As above, wet, hard	S-9	NA	0.6		0.0		
	18.0								
20.0		As above, wet, firm	S-10	9	1.2		0.0		
	-20.0								
25.0		As above, wet, hard	S-11	NA	0.2		0.0		
	-25.0								
	25.0								
30.0		Sandy Lean Clay with Gravel (Till) Brownish grey, wet, mostly medium plasticity fines, some fine to coarse sand, few fine rounded gravel, stiff, massive	S-12	NA	0.2		0.0		
	-30.0								
	30.0	End of Borehole							
35.0									

DTW 12 fbgs

Refusal @ 30.6 fbgs

Drilled By: SJB

Drill Rig Type: TCX-850

Drill Method: 4.25" HSA with 2' split spoon

Comments: Continuous split spoon sampling to 18 fbgs, standard sampling thereafter

Drill Date(s): 4-4-13

Hole Size: 10"

Stick-up: NA

Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0136-013-002

Borehole Number: SB-9

Project: 15 LaRiviere Dr. & 20 Wilkeson Way Site

A.K.A.:

Client: Ellicott Development Company

Logged By: PWW

Site Location: 15 LaRiviere Dr. & 20 Wilkeson Way

Checked By: BCH



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SUBSURFACE PROFILE			SAMPLE				PID VOCs ppm 12.5 25	Lab Sample	Well Completion Details or Remarks
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol			
0.0	0.0	Ground Surface							
	0.0	Asphalt							
		Gravel Subbase	S-1	19	1.0		0.0		
		Sandy Lean Clay Brown, moist, mostly medium plasticity fines, some fine to coarse sand and trace fine angular gravel, stiff	S-2	22	1.9		0.0		
	-4.0 4.0	As above, blackish brown, hard	S-3	37	0.6		0.0		
5.0	-6.0 6.0	Sandy Lean Clay with Gravel Brown, moist, mostly medium plasticity fines, some fine to coarse sand, little fine angular gravel, massive, very stiff to firm	S-4	29	1.8		0.0		
			S-5	10	0.0		0.0		
10.0			S-6	8	0.6		0.0		
	-12.0 12.0	Well Graded Sand with Fill Brown, moist, mostly fine to coarse sand, trace non-plastic fines, massive, loose (when disturbed) to medium dense, concrete pieces	S-7	7	0.8		0.0		
			S-8	11	0.2		0.0		
15.0	-16.0 16.0	Silty Sand Brownish grey, moist to wet (17%), mostly fine to coarse sand, some non-plastic fines, loose, massive	S-9	7	0.9		0.0		
	-18.0 18.0	Sandy Lean Clay Brown, moist, mostly medium plasticity fines with some fine to coarse sand, soft, massive	S-10	3	0.2		0.0		
	-20.0 20.0	As above, brownish grey, stiff	S-11	10	1.1		0.0		
20.0									
	-25.0 25.0	As above, firm	S-12	6	1.2				
25.0									
	-28.5 28.5	End of Borehole							
30.0									

DTW 17 fbgs

Refusal @ 28.5 fbgs

Drilled By: SJB

Drill Rig Type: TCX-850

Drill Method: 4.25" HSA with 2' split spoon

Comments: Continuous split spoon sampling to 22 fbgs, standard sampling thereafter

Drill Date(s): 4-3-13

Hole Size: 10"

Stick-up: NA

Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0136-013-002

Borehole Number: SB-10

Project: 15 LaRiviere Dr. & 20 Wilkeson Way Site

A.K.A.:

Client: Ellicott Development Company

Logged By: PWW

Site Location: 15 LaRiviere Dr. & 20 Wilkeson Way

Checked By: BCH



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SUBSURFACE PROFILE			SAMPLE				PID VOCs ppm 0 12.5 25	Lab Sample	Well Completion Details or Remarks
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol			
0.0	0.0	Ground Surface							
	0.0	Asphalt							
	-2.0	Gravel Subbase	S-1	25	1.0		0.0		
	2.0	Sandy Lean Clay with Fill Blackish brown, moist, mostly medium plasticity fines, some fine to coarse sand trace fine to coarse angular gravel, red brick pieces, very stiff to hard	S-2	29	1.4		0.0		
5.0			S-3	NA	1.0		0.0		
	-8.0	Well Graded Sand Brown, moist to wet (10'), mostly fine to coarse sand, few fine rounded gravel, trace non-plastic fines, petroleum like odor, sheen, very loose	S-4	1	0.0		10.0	sampled (8-10')	
10.0	8.0		S-5	3	1.2		0.0		
			S-6	NA	0.6		0.0		
15.0	-15.0	As above, wet	S-7	4	0.2		0.0		
20.0	-20.0	Sandy Lean Clay Brown, moist, mostly medium plasticity fines, some fine to coarse sand, stiff, massive	S-8	9	1.0		0.0		
25.0	-25.0	Well Graded Sand Brown, wet, mostly fine to coarse sand, few fine rounded gravel, trace non-plastic fines, medium dense	S-9	28	2.0		0.0		
30.0	-30.0	Sandy Lean Clay with Gravel (Till) Brownish grey, moist, mostly medium plasticity fines, some fine to coarse sand, few fine rounded gravel, hard, massive	S-10	NA	0.4		0.0		
	30.0	End of Borehole							
35.0									

DTW 10 fbgs

Refusal at 10' re-located boring 2' east and continued boring

Refusal @ 30.4 fbgs

Drilled By: SJB

Drill Rig Type: TCX-850

Drill Method: 4.25" HSA with 2' split spoon

Comments: Continuous split spoon sampling to 14 fbgs, standard sampling thereafter.

Drill Date(s): 4-4-13

Hole Size: 10"

Stick-up: NA

Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0136-013-002

Borehole Number: SB-11

Project: 15 LaRiviere Dr. & 20 Wilkeson Way Site

A.K.A.:

Client: Ellicott Development Company

Logged By: PWW

Site Location: 15 LaRiviere Dr. & 20 Wilkeson Way

Checked By: BCH



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SUBSURFACE PROFILE			SAMPLE				PID VOCs ppm 0 12.5 25	Lab Sample	Well Completion Details or Remarks
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol			
0.0	0.0	Ground Surface							
	0.0	Asphalt					0.0		
		Gravel Subbase	S-1	10	0.2		0.0		
	-2.0								
	2.0	Sandy Lean Clay with Gravel and Fill					0.0		
		Blackish brown, moist, mostly medium plasticity fines, some fine to coarse sand and little fine to coarse angular gravel, red brick pieces, stiff	S-2	15	1.2		0.0	sampled (2-4')	
	-4.0								
	4.0	As above, brown, wood debris, very stiff to hard	S-3	16	0.2		0.0		
5.0									
			S-4	13	0.4		0.0		
	-8.0								
	8.0	Well Graded Sand with Fill					0.0		
		Greyish brown, moist, mostly fine to coarse sand, few fine rounded gravel, trace non-plastic fines, wood debris, massive, loose (when disturbed) to medium dense	S-5	9	1.7		0.0		
10.0									
			S-6	13	0.8		0.0		
	-12.0								
	12.0	Well Graded Sand					0.0		
		Greyish brown, moist to wet (13'), mostly fine to coarse sand, few fine rounded gravel, trace non-plastic fines, loose	S-7	8	2.0		0.0		
	-15.0								
	15.0	Silty Sand					0.0		
		Brownish grey, wet, mostly fine to coarse sand with little non-plastic fines, very loose, massive	S-8	4	1.8		0.0		
20.0									
	-20.0								
	20.0	Well Graded Sand with Gravel					0.0		
		Brownish grey, wet, mostly fine to coarse sand, with little fine to coarse rounded gravel, trace non-plastic fines, loose, massive	S-9	9	0.6		0.0		
	-25.0								
	25.0	Sandy Lean Clay (Till)					0.0		
		Brownish grey, wet, mostly medium plasticity fines, some fine to coarse sand, trace fine rounded gravel, very stiff, massive	S-10	19	1.9		0.0		
	-26.8								
	26.8	End of Borehole							Refusal @ 26.8 fbgs
30.0									

DTW 13 fbgs

Drilled By: SJB

Drill Rig Type: TCX-850

Drill Method: 4.25" HSA with 2' split spoon

Comments: Continuous split spoon sampling to 14 fbgs, standard sampling thereafter

Drill Date(s): 4-3-13

Hole Size: 10"

Stick-up: NA

Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0136-013-002

Borehole Number: SB-12

Project: 20 Wilkeson Way Site

A.K.A.:

Client: Ellicott Development Company

Logged By: SPF

Site Location: 20 Wilkeson Way

Checked By: BCH



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SUBSURFACE PROFILE			SAMPLE				PID VOCs ppm 12.5 25	Lab Sample	Well Completion Details or Remarks
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol			
0.0	0.0	Ground Surface							
	0.0	Asphalt					0.0		
	-0.5	Gravel Subbase							
	0.5								
	-2.0	Well Graded Sand with Fill	S-1	NA	2.7		0.0		
	2.0	Brown, moist, mostly fine to coarse sand, few fine rounded gravel, trace non-plastic fines, red brick pieces, very dense					0.0		
	-4.0	Slight sulfur odor					0.0		
	4.0								
5.0									
	-6.0	Sandy Lean Clay	S-2	NA	2.1		0.0		
	6.0	Brown, moist, mostly medium plasticity fines, little fine to coarse sand, few angular fine gravel, massive, stiff					0.0		
	-8.0	As above, slight sulfur odor					0.0		
	8.0								
10.0			S-3	NA	3.1		0.0		
							0.0		
	-12.0	As above, wet @ 12 fbgs					0.0		
	12.0								
			S-4	NA	3.4		0.0		
							0.0		
15.0									
	-16.0	End of Borehole							
	16.0								

Drilled By: SJB

Drill Rig Type: Geoprobe Track Mounted Rig

Drill Method: Directpush with 4' Macro Core

Comments:

Drill Date(s): 7-20-13

Hole Size: 2"

Stick-up: NA

Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0136-013-002

Borehole Number: SB-13

Project: 20 Wilkeson Way Site

A.K.A.:

Client: Ellicott Development Company

Logged By: SPF

Site Location: 20 Wilkeson Way

Checked By: BCH



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SUBSURFACE PROFILE			SAMPLE				PID VOCs ppm 12.5 25	Lab Sample	Well Completion Details or Remarks
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol			
0.0	0.0	Ground Surface							
	0.0	Asphalt					0.0		
	-0.5	Gravel Subbase							
	0.5								
	-2.0	Well Graded Sand with Fill	S-1	NA	3.2		0.0		
	2.0	Brown, moist, mostly fine to coarse sand, few fine rounded gravel, trace non-plastic fines, very dense					0.0		
	-4.0	Fill					0.0		
	4.0	Concrete and void space, little to no recovery							
5.0							0.0		
	-6.0		S-2	NA	0.1		0.0		
	6.0								
	-8.0						0.0		
	8.0								
10.0			S-3	NA	0.1		0.0		
							0.0		
	-12.0	Sandy Lean Clay					0.0		
	12.0	Brown, moist to wet (15 fbgs), mostly fine to coarse sand, few fine rounded gravel, trace non-plastic fines, very dense							
			S-4	NA	3.4		0.0		
15.0		Visible sheen					0.0		
	-16.0								
	16.0	End of Borehole							

Drilled By: SJB

Drill Rig Type: Geoprobe Track Mounted Rig

Drill Method: Directpush with 4' Macro Core

Comments:

Drill Date(s): 7-20-13

Hole Size: 2"

Stick-up: NA

Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0136-013-002

Borehole Number: SB-14

Project: 20 Wilkeson Way Site

A.K.A.:

Client: Ellicott Development Company

Logged By: SPF

Site Location: 20 Wilkeson Way

Checked By: BCH



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SUBSURFACE PROFILE			SAMPLE				PID VOCs ppm 12.5 25	Lab Sample	Well Completion Details or Remarks
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol			
0.0	0.0	Ground Surface							
	0.0	Asphalt					0.0		
	-0.5	Gravel Subbase							
	0.5								
	-2.0	Well Graded Sand with Fill	S-1	NA	2.7		0.0		
	2.0	Brown, moist, mostly fine to coarse sand, few fine rounded gravel, trace non-plastic fines, red brick pieces, very dense					0.0		
	-4.0								
	4.0	Slight petroleum-like odor					0.0		
5.0		As above, moist, medium dense							
	-6.0	Sandy Lean Clay	S-2	NA	2.1		0.0		
	6.0	Brown, moist, mostly medium plasticity fines, little fine to coarse sand, few angular fine gravel, massive, stiff							
	-8.0						2.0		
	8.0	As above							
		Slight petroleum-like odor	S-3	NA	3.1		1.0		
10.0									
	-12.0	As above, wet (14 fbgs)					0.0		
	12.0								
			S-4	NA	3.4		0.0		
15.0							0.0		
	-16.0								
	16.0	End of Borehole							

Drilled By: SJB

Drill Rig Type: Geoprobe Track Mounted Rig

Drill Method: Directpush with 4' Macro Core

Comments:

Drill Date(s): 7-20-13

Hole Size: 2"

Stick-up: NA

Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0136-013-002

Borehole Number: SB-15

Project: 20 Wilkeson Way Site

A.K.A.:

Client: Ellicott Development Company

Logged By: SPF

Site Location: 20 Wilkeson Way

Checked By: BCH



TurnKey Environmental Restoration, LLC
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 Buffalo, NY 14218
 (716) 856-0635

SUBSURFACE PROFILE			SAMPLE				PID VOCs ppm 12.5 25	Lab Sample	Well Completion Details or Remarks
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol			
0.0	0.0	Ground Surface							
	0.0	Asphalt					0.0		
	-0.5	Gravel Subbase							
	0.5								
	-2.0								
	2.0	Well Graded Sand with Fill Brown, moist, mostly fine to coarse sand, few fine rounded gravel, trace non-plastic fines, very dense	S-1	NA	3.3		0.0		
	-4.0						0.0		
	4.0								
5.0							0.0		
	-6.0								
	6.0	Sandy Lean Clay Dark brown, moist, mostly medium plasticity fines, little fine to coarse sand, few angular fine gravel, massive, stiff	S-2	NA	3.5		0.0		
	-8.0								
	8.0	As above					0.0		
10.0			S-3	NA	3.1		0.0		
							1.0		
	-12.0								
	12.0	As above, wet (14 fbgs)					0.0		
			S-4	NA	3.4		0.0		
15.0							0.0		
	-16.0								
	16.0	End of Borehole							

Drilled By: SJB

Drill Rig Type: Geoprobe Track Mounted Rig

Drill Method: Directpush with 4' Macro Core

Comments:

Drill Date(s): 7-20-13

Hole Size: 2"

Stick-up: NA

Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0136-013-002

Borehole Number: SB-16

Project: 20 Wilkeson Way Site

A.K.A.:

Client: Ellicott Development Company

Logged By: SPF

Site Location: 20 Wilkeson Way

Checked By: BCH



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SUBSURFACE PROFILE			SAMPLE				PID VOCs ppm 12.5 25	Lab Sample	Well Completion Details or Remarks
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol			
0.0	0.0	Ground Surface							
	0.0	Asphalt							
	-0.5	Gravel Subbase							
	0.5						0.0		
	-2.0	Well Graded Sand with Fill	S-1	NA	3.0		0.0		
	2.0	Brown, moist, mostly fine to coarse sand, few fine rounded gravel, trace non-plastic fines, red brick pieces, very dense					0.0		
	-4.0						0.0		
	4.0						0.0		
5.0							0.0		
	-6.0	Sandy Lean Clay	S-2	NA	2.7		0.0		
	6.0	Brown, moist, mostly medium plasticity fines, little fine to coarse sand, few angular fine gravel, massive, stiff					0.0		
	-8.0						2.8		
	8.0	As above, slight petroleum-like odor	S-3	NA	3.1		0.8		
10.0							0.0		
	-12.0	As above, wet (14 fbgs)	S-4	NA	3.4		0.0		
	12.0						0.0		
15.0							0.0		
	-16.0						0.0		
	16.0	End of Borehole							

Drilled By: SJB

Drill Rig Type: Geoprobe Track Mounted Rig

Drill Method: Directpush with 4' Macro Core

Comments:

Drill Date(s): 7-20-13

Hole Size: 2"

Stick-up: NA

Datum: Mean Sea Level

Sheet: 1 of 1

TEST PIT EXCAVATION LOG

Project No: 0136-013-002

Test Pit I.D.: TP-01

Project: 15 LaRiviere Phase II

Logged By: PWW

Client: Ellicott Development Company

Checked By: BCH

Site Location: 15 LaRiviere and 20 Wilkeson



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SUBSURFACE PROFILE				PID VOCs	Lab Sample	Remarks
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Lithologic Symbol			
				0 25 50 75 100 ppm		
0.0	0.0	Ground Surface				
	0.0					
	-0.5	Topsoil Brown, moist, mostly organic soil with few fine to coarse sand, loose when disturbed		0.0		
	0.5					
	-1.5	Lean Clay Reddish brown, moist, mostly medium plasticity fines with few fine to coarse sand, stiff, massive		0.0		
	1.5				sampled (1.5-3.5')	
		Lean Clay with Fill Brown, moist, mostly medium plasticity fines with few fine to coarse sand, brick and slag pieces, stiff, massive		0.0		
5.0				0.0		
	-6.5			0.0		
	6.5	End of Test Pit				Refusal @ 6.5 fbgs
10.0						
15.0						
20.0						

Excavated By: Apollo Dismantling

Length: 10'

Depth to Water: NA

Excavator Type: Takeuchi

Width: 2.5'

Visual Impacts: NA

Excavation Date(s): 4-5-13

Depth: 6.5'

Olfactory Observations: NA

Comments:

TEST PIT EXCAVATION LOG

Project No: 0136-013-002

Test Pit I.D.: TP-02

Project: 15 LaRiviere Phase II

Logged By: PWW

Client: Ellicott Development Company

Checked By: BCH

Site Location: 15 LaRiviere and 20 Wilkeson



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SUBSURFACE PROFILE				PID VOCs	Lab Sample	Remarks
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Lithologic Symbol			
				0 25 50 75 100 ppm		
0.0	0.0	Ground Surface				
	0.0					
	-0.5	Topsoil Brown, moist, mostly organic soil with few fine to coarse sand, loose when disturbed		0.0		
	0.5					
	-1.5	Lean Clay Reddish brown, moist, mostly medium plasticity fines with few fine to coarse sand, stiff, massive		0.0		
	1.5					
		Lean Clay with Fill Brown, moist, mostly organic soil, few fine to coarse sand, loose when disturbed		0.0		
5.0				0.0		
	-6.5			0.0		
	6.5	End of Test Pit				Refusal @ 6.5 fbgs
10.0						
15.0						
20.0						

Excavated By: Apollo Dismantling

Length: 10'

Depth to Water: NA

Excavator Type: Takeuchi

Width: 2.5'

Visual Impacts: NA

Excavation Date(s): 4-5-13

Depth: 6.6'

Olfactory Observations: NA

Comments:

TEST PIT EXCAVATION LOG

Project No: 0136-013-002

Test Pit I.D.: TP-03

Project: 15 LaRiviere Phase II

Logged By: PWW

Client: Ellicott Development Company

Checked By: BCH

Site Location: 15 LaRiviere and 20 Wilkeson



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Buffalo, NY 14218
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SUBSURFACE PROFILE				PID VOCs	Lab Sample	Remarks
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Lithologic Symbol			
				0 25 50 75 100 ppm		
0.0	0.0	Ground Surface				
-0.5	0.0	Topsoil Brown, moist, mostly organic soil, few fine to coarse sand, loose when disturbed	[Symbol]	0.0		
-1.5	0.5	Lean Clay Reddish brown, moist, mostly medium plasticity fines, few fine to coarse sand, stiff, massive	[Symbol]	0.0		
-6.5	1.5	Lean Clay with Fill Brown, moist, mostly medium plasticity fines, few fine to coarse sand, brick and slag pieces, stiff, massive	[Symbol]	0.0		
-6.5	6.5	Well Graded Sand Brown, moist to wet (9.5'), mostly fine to coarse sand, trace non-plastic fines, loose when disturbed, massive	[Symbol]	0.0		
-10.0	10.0	End of Test Pit		0.0		
10.0						
15.0						
20.0						

DTW 9.5 fbgs

Excavated By: Apollo Dismantling

Length: 10'

Depth to Water: 9.5'

Excavator Type: Takeuchi

Width: 2.5'

Visual Impacts: NA

Excavation Date(s): 4-5-13

Depth: 10'

Olfactory Observations: NA

Comments: *Dug to extent of the excavator*

Sheet: 1 of 1

TEST PIT EXCAVATION LOG

Project No: 0136-013-002

Test Pit I.D.: TP-04

Project: 15 LaRiviere Phase II

Logged By: PWW

Client: Ellicott Development Company

Checked By: BCH

Site Location: 15 LaRiviere and 20 Wilkeson



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

SUBSURFACE PROFILE				PID VOCs	Lab Sample	Remarks
Depth (ft/g)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Lithologic Symbol			
0.0	0.0	Ground Surface		0 25 50 75 100		
	0.0	Topsoil				
	-0.5					
	0.5	Lean Clay Reddish brown, moist, mostly medium plasticity fines, few fine to coarse sand, stiff, massive		0.0		
	-1.5					
	1.5	Lean Clay with Fill Brown, moist, mostly medium plasticity fines, few fine to coarse sand, brick and slag pieces, stiff, massive		0.0		
				0.0		
5.0				0.0		
	-6.5					
	6.5	Silty Sand with Fill Brown, moist, mostly fine to coarse sand, little non- plastic fines, shale pieces, wood debris, loose, massive		0.0		
				0.0		
	-9.5					
	9.5	End of Test Pit				
10.0						
15.0						

Excavated By: Apollo Dismantling

Length: 10'

Depth to Water: NA

Excavator Type: Takeuchi

Width: 2.5'

Visual Impacts: NA

Excavation Date(s): 4-5-13

Depth: 9.5'

Olfactory Observations: NA

Comments: Dug to the extent of the excavator

TEST PIT EXCAVATION LOG

Project No: 0136-013-002

Test Pit I.D.: TP-05

Project: 15 LaRiviere Phase II

Logged By: PWW

Client: Ellicott Development Company

Checked By: BCH

Site Location: 15 LaRiviere and 20 Wilkeson



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SUBSURFACE PROFILE				PID VOCs	Lab Sample	Remarks
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Lithologic Symbol			
				0 25 50 75 100 ppm		
0.0	0.0	Ground Surface				
	0.0	Topsoil Brown, moist, mostly organic soil, few fine to coarse sand, loose when disturbed				
	-0.5			0.0		
	0.5	Lean Clay Reddish brown, moist, mostly medium plasticity fines, few fine to coarse sand, stiff, massive				
				0.0		
	-4.0					
	4.0	Well Graded Sand with Gravel Brown, moist, mostly fine to coarse sand, little fine to coarse rounded gravel, trace non-plastic fines, loose (when disturbed)		0.0		
5.0						
	-6.5			0.0		
	6.5	Well Graded Sand with Silt and Fill Brownish black, moist, mostly fine to coarse sand with few non-plastic fines, shale and brick pieces loose, massive				
				0.0		
	-8.0					
	8.0	Well Graded Sand Yellowish brown, moist, mostly fine to coarse sand, few fine gravel, trace non-plastic fines, loose, massive		0.0		
	-9.5					
	9.5	End of Test Pit				
10.0						

Excavated By: Apollo Dismantling

Length: 10'

Depth to Water: NA

Excavator Type: Takeuchi

Width: 2.5'

Visual Impacts: NA

Excavation Date(s): 4-5-13

Depth: 9.5'

Olfactory Observations: NA

Comments: Dug to the extent of the excavator

TEST PIT EXCAVATION LOG

Project No: 0136-013-002

Test Pit I.D.: TP-06

Project: 15 LaRiviere Phase II

Logged By: PWW

Client: Ellicott Development Company

Checked By: BCH

Site Location: 15 LaRiviere and 20 Wilkeson



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SUBSURFACE PROFILE				PID VOCs	Lab Sample	Remarks
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Lithologic Symbol			
				0 25 50 75 100 ppm		
0.0	0.0	Ground Surface				
	0.0	Topsoil Brown, moist, mostly organic soil, few fine to coarse sand, loose when disturbed				
	-0.5			0.0		
	0.5	Lean Clay Reddish brown, moist, mostly medium plasticity fines, few fine to coarse sand, stiff, massive				
	-1.5					
	1.5	Well Graded Sand Brown, moist, mostly fine to coarse sand, few fine to coarse rounded gravel, trace non-plastic fines, loose (when disturbed)		0.0		
	-4.0					
	4.0	Silty Sand with Fill Brownish black, moist, mostly fine to coarse sand, little non-plastic fines, shale, brick, glass, slag, loose, massive		0.0	sampled (4-6')	
5.0						
	-8.0			0.0		
	8.0	Well Graded Sand Yellowish brown, moist, mostly fine to coarse sand, few fine gravel, trace non-plastic fines, loose, massive		0.0		
	-9.5					
	9.5	End of Test Pit				
10.0						

Excavated By: Apollo Dismantling

Length: 10'

Depth to Water: NA

Excavator Type: Takeuchi

Width: 2.5'

Visual Impacts: NA

Excavation Date(s): 4-5-13

Depth: 9.5'

Olfactory Observations: NA

Comments: Dug to the extent of the excavator

TEST PIT EXCAVATION LOG

Project No: 0136-013-002

Test Pit I.D.: TP-07

Project: 15 LaRiviere Phase II

Logged By: PWW

Client: Ellicott Development Company

Checked By: BCH

Site Location: 15 LaRiviere and 20 Wilkeson



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SUBSURFACE PROFILE				PID VOCs	Lab Sample	Remarks
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Lithologic Symbol			
0.0	0.0	Ground Surface		0 25 50 75 100		
	0.0	Topsoil Brown, moist, mostly organic soil, few fine to coarse sand, loose when disturbed				
	-0.5	Lean Clay Reddish brown, moist, mostly medium plasticity fines, few fine to coarse sand, stiff, massive		0.0		
	0.5					
	-1.5	Well Graded Sand Brown, moist, mostly fine to coarse sand, few fine to coarse rounded gravel, trace non-plastic fines, loose when disturbed		0.0		
	1.5					
	-4.0	Silty Sand with Fill Brownish black, moist, mostly fine to coarse sand, little non-plastic fines, shale, brick, glass, slag, loose, massive		0.0		
	4.0					
5.0				0.0		
	-7.0	End of Test Pit		0.0		Refusal @ 7 fbgs
	7.0					
10.0						

Excavated By: Apollo Dismantling
Excavator Type: Takeuchi
Excavation Date(s): 4-5-13
Comments:

Length: 10'
Width: 2.5'
Depth: 7'

Depth to Water: NA
Visual Impacts: NA
Olfactory Observations: NA

TEST PIT EXCAVATION LOG

Project No: 0136-013-002

Test Pit I.D.: TP-08

Project: 15 LaRiviere Phase II

Logged By: PWW

Client: Ellicott Development Company

Checked By: BCH

Site Location: 15 LaRiviere and 20 Wilkeson



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SUBSURFACE PROFILE				PID VOCs	Lab Sample	Remarks
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Lithologic Symbol			
				0 25 50 75 100 ppm		
0.0	0.0	Ground Surface				
	0.0	Topsoil				
	-0.5	Brown, moist, mostly organic soil, few fine to coarse sand, loose (when disturbed)				
	0.5	Lean Clay				
	-1.5	Reddish brown, moist, mostly medium plasticity fines, few fine to coarse sand, stiff, massive				
	1.5	Well Graded Sand				
		Brown, moist, mostly fine to coarse sand with few fine to coarse rounded gravel, trace non-plastic fines loose when disturbed				
	-4.0					
	4.0	Well Graded Sand with Silt and Fill				
		Brownish black, moist, mostly fine to coarse sand, few non-plastic fines, shale, brick, glass, slag, loose, massive				
5.0						
	-8.0					
	8.0	Well Graded Sand				
		Yellowish brown, moist, mostly fine to coarse sand, few fine gravel, trace non-plastic fines, loose, massive				
	-9.5					
	9.5	End of Test Pit				
10.0						

Excavated By: Apollo Dismantling

Length: 10'

Depth to Water: NA

Excavator Type: Takeuchi

Width: 2.5'

Visual Impacts: NA

Excavation Date(s): 4-5-13

Depth: 9.5'

Olfactory Observations: NA

Comments: Dug to the extent of the excavator

TEST PIT EXCAVATION LOG

Project No: 0136-013-002

Test Pit I.D.: TP-09

Project: 15 LaRiviere Phase II

Logged By: PWW

Client: Ellicott Development Company

Checked By: BCH

Site Location: 15 LaRiviere and 20 Wilkeson



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SUBSURFACE PROFILE				PID VOCs	Lab Sample	Remarks
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Lithologic Symbol			
				0 25 50 75 100 ppm		
0.0	0.0	Ground Surface				
	0.0	Topsoil				
	-0.5	Brown, moist, mostly organic soil, few fine to coarse sand, loose (when disturbed)				
	0.5	Lean Clay				
	-1.5	Reddish brown, moist, mostly medium plasticity fines, few fine to coarse sand, stiff, massive				
	1.5	Well Graded Sand				
		Brown, moist, mostly fine to coarse sand, few fine to coarse rounded gravel, trace non-plastic fines, loose when disturbed				
	-4.0					
	4.0	Silty Sand with Fill				
		Brownish black, moist, mostly fine to coarse sand, little non-plastic fines, shale, brick, glass, slag, loose, massive				
5.0						
	-8.0					
	8.0	Well Graded Sand				
		Yellowish brown, moist, mostly fine to coarse sand, few fine gravel, trace non-plastic fines, loose, massive				
	-9.5					
	9.5	End of Test Pit				
10.0						

Excavated By: Apollo Dismantling

Length: 10'

Depth to Water: NA

Excavator Type: Takeuchi

Width: 2.5'

Visual Impacts: NA

Excavation Date(s): 4-5-13

Depth: 9.5'

Olfactory Observations: NA

Comments: Dug to the extent of the excavator

TEST PIT EXCAVATION LOG

Project No: 0136-013-002

Test Pit I.D.: TP-10

Project: 15 LaRiviere Phase II

Logged By: PWW

Client: Ellicott Development Company

Checked By: BCH

Site Location: 15 LaRiviere and 20 Wilkeson



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SUBSURFACE PROFILE				PID VOCs	Lab Sample	Remarks
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Lithologic Symbol			
				0 25 50 75 100 ppm		
0.0	0.0	Ground Surface				
	0.0	Topsoil				
	-0.5	Brown, moist, mostly organic soil, few fine to coarse sand, loose (when disturbed)		0.0		
	0.5	Sandy Lean Clay				
	-1.5	Reddish brown, moist, mostly medium plasticity fines, few fine to coarse sand, stiff, massive		0.0		
	1.5	Well Graded Sand with Fill				
		Brown, moist, mostly fine to coarse sand, few fine to coarse rounded gravel, trace non-plastic fines, brick, slag, loose (when disturbed)		0.0		
	-4.0					
	4.0	Silty Sand with Fill				
5.0		Brownish black, moist, mostly fine to coarse sand, little non-plastic fines, shale, brick, glass, slag, loose, massive		0.0	Sampled (4-6')	
				0.0		
	-8.0					
	8.0	Well Graded Sand				
		Yellowish brown, moist, mostly fine to coarse sand, few fine gravel, trace non-plastic fines, loose, massive		0.0		
	-9.5					
	9.5	End of Test Pit				
10.0						

Excavated By: Apollo Dismantling

Length: 10'

Depth to Water: NA

Excavator Type: Takeuchi

Width: 2.5'

Visual Impacts: NA

Excavation Date(s): 4-5-13

Depth: 9.5'

Olfactory Observations: NA

Comments: Dug to the extent of the excavator

TEST PIT EXCAVATION LOG

Project No: 0136-013-002

Test Pit I.D.: TP-11

Project: 15 LaRiviere Phase II

Logged By: PWW

Client: Ellicott Development Company

Checked By: BCH

Site Location: 15 LaRiviere and 20 Wilkeson



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SUBSURFACE PROFILE				PID VOCs	Lab Sample	Remarks
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Lithologic Symbol			
				0 25 50 75 100 ppm		
0.0	0.0	Ground Surface				
	0.0	Topsoil				
	-0.5	Brown, moist, mostly organic soil, few fine to coarse sand, loose (when disturbed)		0.0		
	0.5	Lean Clay				
	-1.5	Reddish brown, moist, mostly medium plasticity fines, few fine to coarse sand, stiff, massive		0.0		
	1.5	Well Graded Sand with Fill				
		Brown, moist, mostly fine to coarse sand, few fine to coarse rounded gravel, trace non-plastic fines, brick, slag, loose (when disturbed)		0.0		
	-4.0					
	4.0	Silty Sand with Fill				
		Brownish black, moist, mostly fine to coarse sand, little non-plastic fines, shale, brick, glass, slag, loose, massive		0.0		
5.0					Sampled (5-7')	
	-8.0					
	8.0	Well Graded Sand				
		Yellowish brown, moist, mostly fine to coarse sand, few fine gravel, trace non-plastic fines, loose, massive		0.0		
	-9.5					
	9.5	End of Test Pit				
10.0						

Excavated By: Apollo Dismantling

Length: 10'

Depth to Water: 9.5'

Excavator Type: Takeuchi

Width: 2.5'

Visual Impacts: NA

Excavation Date(s): 4-5-13

Depth: 9.5'

Olfactory Observations: NA

Comments: Dug to the extent of the excavator

BUFFALO DRILLING COMPANY, INC.


10440 MAIN STREET
CLARENCE, NEW YORK 14031
(716) 759-7821 FAX: (716) 759-7823

TEST BORING LOG
JOB No.: 98-537

BORING No.: B-1

PROJECT: Sinclair Broadcasting Group Radio Stations,
Parcel #1, Buffalo Waterfront, Buffalo, New York

DRILLER: J. Gardner/T. Vance

TYPE OF DRILL RIG: CME-55

SAMPLING METHODS: ASTM D1586

SIZE AND TYPE OF BIT: 4-1/4" ID auger

DATE STARTED: 4/14/98

SURFACE ELEVATION (FT): 100.0'

DATE COMPLETED: 4/14/98

GROUNDWATER DEPTH (FT): 11.6'

(measured at completion unless indicated below)

Elevation/ Depth	Soil Symbols Sampler Symbols Field Test Data	Sample No. : Range	N- Value	% REC (RQD)	Soil and Rock Description / Remarks
100 0		S-1 : 0.0' - 2.0'	30	92	Topsoil (7") Red/brown, hard Clay and Silt, little Gravel, tr. f/c Sand, tr. Roots, mod. plastic (CL-FILL)
		S-2 : 2.0' - 4.0'	100+	100	Brown, med. dense, f/c Sand and Gravel, tr. Silt, moist (SM-FILL) ...grade: v. dense
95 5		S-3 : 4.0' - 6.0'	100+	80	Same as S-2
		S-4 : 6.0' - 8.0'	65	50	...grade: black/brown, tr. Brick, tr. Slag, tr. Cinders
90 10		S-5 : 8.0' - 10.0'	29	17	...grade: med. dense, saturated
		S-6 : 10.0' - 12.0'	43	25	...grade: brown/grey, dense
		S-7 : 12.0' - 14.0'	42	33	Same as S-6
85 15		S-8 : 14.0' - 16.0'	61	50	Brown/grey, v. dense Gravel, tr. f/c Sand, saturated (GM-FILL)
		S-9 : 16.0' - 17.8'	100+	50	Same as S-8
80 20					Depth to Bottom of Hole: 17.9 feet
75 25					
70 30					
65 35					

1. Samples S-1 through S-9 taken with 3" O.D. split spoons.

BUFFALO DRILLING COMPANY, INC.


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CLARENCE, NEW YORK 14031
(716) 759-7821 FAX: (716) 759-7823

TEST BORING LOG

JOB No.: 98-537

BORING No.: B-1a

PROJECT: Sinclair Broadcasting Group Radio Stations,
Parcel #1, Buffalo Waterfront, Buffalo, New York

DRILLER: J. Gardner/T. Vance

TYPE OF DRILL RIG: CME-55

SAMPLING METHODS: ASTM D1586

SIZE AND TYPE OF BIT: 4-1/4" ID auger

DATE STARTED: 6/2/98

SURFACE ELEVATION (FT): 100.5'(est.)

DATE COMPLETED: 6/2/98

GROUNDWATER DEPTH (FT): 7.6'

(measured at completion unless indicated below)

Elevation/ Depth	Soil Symbols Sampler Symbols Field Test Data	Sample No. : Range	N- Value	% REC (RQD)	Soil and Rock Description / Remarks
100 0 95 5 90 10 85 15 80 20 75 25 70 30 65 35					Topsoil (7"est.) Augered through fill materials ...grade: Brick encountered ...grade: hard drilling
					Depth to Bottom of Hole: 14.0 feet

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TEST BORING LOG

JOB No.: 98-537

BORING No.: B-1b

PROJECT: Sinclair Broadcasting Group Radio Stations,
Parcel #1, Buffalo Waterfront, Buffalo, New York

DRILLER: J. Gardner/T. Vance

TYPE OF DRILL RIG: CME-55

SAMPLING METHODS: ASTM D1586

SIZE AND TYPE OF BIT: 4-1/4" ID auger

DATE STARTED: 6/2/98

SURFACE ELEVATION (FT): 101.0'(est.)

DATE COMPLETED: 6/2/98

GROUNDWATER DEPTH (FT): 7.8'

(measured at completion unless indicated below)

Elevation/ Depth	Soil Symbols Sampler Symbols Field Test Data	Sample No. : Range	N- Value	% REC (RQD)	Soil and Rock Description / Remarks
0 100 5 95 10 90 15 85 20 80 25 75 30 70 35					Topsoil (7" est.) Augered through fill materials ...grade: Brick encountered ...grade: Cobbles encountered
					Depth to Bottom of Hole: 21.5 feet

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TEST BORING LOG

JOB No.: 98-537

BORING No.: B-1c

PROJECT: Sinclair Broadcasting Group Radio Stations,
Parcel #1, Buffalo Waterfront, Buffalo, New York

DRILLER: J. Gardner/T. Vance

TYPE OF DRILL RIG: CME-55

SAMPLING METHODS: ASTM D1586

SIZE AND TYPE OF BIT: 4-1/4" ID auger

DATE STARTED: 6/2/98

SURFACE ELEVATION (FT): 101.5'(est.)

DATE COMPLETED: 6/2/98

GROUNDWATER DEPTH (FT):

(measured at completion unless indicated below)

Elevation/ Depth	Soil Symbols Sampler Symbols Field Test Data	Sample No. : Range	N- Value	% REC (RQD)	Soil and Rock Description / Remarks
					Topsoil (7" est.) Augered through fill materials ...grade: Brick encountered ...grade: hard drilling Depth to Bottom of Hole: 23.0 feet

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TEST BORING LOG
JOB No.: 98-537

BORING No.: B-2

PROJECT: Sinclair Broadcasting Group Radio Stations,
Parcel #1, Buffalo Waterfront, Buffalo, New York

DRILLER: J. Gardner/T. Vance

TYPE OF DRILL RIG: Diedrich D-50

SAMPLING METHODS: ASTM D1586

SIZE AND TYPE OF BIT: 4-1/4" ID auger

DATE STARTED: 6/1/98

SURFACE ELEVATION (FT): 102.6'

DATE COMPLETED: 6/1/98

GROUNDWATER DEPTH (FT): 26.0'

(measured at completion unless indicated below)

Elevation/ Depth	Soil Symbols Sampler Symbols Field Test Data	Sample No. : Range	N- Value	% REC (RQD)	Soil and Rock Description / Remarks
0					Topsoil & crushed Stone (3")
100		S-1 : 0.0' - 2.0'	16	50	Brown, v. stiff Clay, some Silt, little f/c Sand, sl. plastic, moist (CL-FILL)
5		S-2 : 2.0' - 4.0'	38	60	Brown, dense, f/c Sand, little Silt, tr. Gravel, tr. Brick, moist (FILL)
95		S-3 : 4.0' - 6.0'	27	75	...grade: med. dense, some Silt, tr. Cinders, tr. Slag
10		S-4 : 6.0' - 8.0'	31	50	...grade: dense, little Cinders
90		S-5 : 8.0' - 10.0'	5	40	...grade: brown/black, loose, little Cinders, wet
85		S-6 : 10.0' - 12.0'	2	10	...grade: v. loose, tr. Wood, saturated
80		S-7 : 12.0' - 14.0'	2	5	Brown, soft Clay, tr. Silt, tr. f/c Sand, tr. Gravel, tr. Organic matter, mod. plastic, wet (CL-FILL)
75		S-8 : 14.0' - 16.0'	7	5	Grey, loose, f/c SAND, little Gravel, tr. Silt, tr. Wood, saturated (SW)
70		S-9 : 16.0' - 18.0'	16	75	...grade: med. dense
65		S-10 : 19.0' - 21.0'	27	50	Lt. grey, med. dense, f/m SAND, little Silt, saturated (SM)
60		S-11 : 24.0' - 26.0'	28	75	Lt. grey, med. dense SILT, some f/c Sand, tr. Gravel, non-plastic, wet (ML-TILL)
55		C-1 : 26.5' - 31.5'		96.0 (47.9)	ONONDAGA LIMESTONE Med. grey, finely Crystalline, thin bedded, LIMESTONE, porous, sl. weathered, mod. hard Nx. Core: Pcs>1":14 Pcs>4":6 Longest piece:9"
50					Depth to Bottom of Hole: 31.5 feet

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TEST BORING LOG
JOB No.: 98-537

BORING No.: B-3

PROJECT: Sinclair Broadcasting Group Radio Stations,
Parcel #1, Buffalo Waterfront, Buffalo, New York

DRILLER: J. Gardner/T. Vance

TYPE OF DRILL RIG: CME-55

SAMPLING METHODS: ASTM D1586

SIZE AND TYPE OF BIT: 4-1/4" ID auger

DATE STARTED: 4/14/98

SURFACE ELEVATION (FT): 102.4'

DATE COMPLETED: 4/14/98

GROUNDWATER DEPTH (FT): 13.6'

(measured at completion unless indicated below)

Elevation/ Depth	Soil Symbols Sampler Symbols Field Test Data	Sample No. : Range	N- Value	% REC (RQD)	Soil and Rock Description / Remarks
0					Topsoil (7")
		S-1 : 0.0' - 2.0'	18	92	Brown/grey/red, stiff Silt, some Clay, some Gravel, little f/c Sand, tr. Brick, tr. Cinders, tr. Slag, tr. Roots, mod. plastic, wet (ML-FILL) ...grade: hard
100		S-2 : 2.0' - 4.0'	63	50	Brown, v. dense, f/c Sand and Gravel, tr. Slag, tr. Cinders, tr. Silt, moist (SM-FILL) ...grade: black/brown, little Gravel, little Slag, tr. Brick
5		S-3 : 4.0' - 6.0'	73	100	
		S-4 : 6.0' - 8.0'	22	92	Black/brown, v. stiff Silt and Gravel, little f/c Sand, tr. Brick, tr. Slag, tr. Cinders, tr. Organic matter, non-plastic, wet (ML-FILL) ...grade: brown/grey, and f/c Sand, some Gravel, saturated
95		S-5 : 8.0' - 10.0'	17	83	
10		S-6 : 10.0' - 12.0'	15	83	Brown, med. dense, f/c SAND and Gravel, little Silt, tr. Organic matter, saturated (SW-GW)
90		S-7 : 12.0' - 14.0'	24	83	Same as S-6
15		S-8 : 14.0' - 16.0'	7	100	Grey, med. stiff SILT and f/m Sand, tr. Gravel, tr. Organic matter, tr. Clay, saturated (OL)
85		S-9 : 16.0' - 18.0'	14	100	Brown/grey, loose f/c SAND and Gravel, tr. Silt, saturated (SW) Grey, stiff SILT and f/m Sand, tr. Gravel, tr. Organic matter, tr. Clay, saturated (OL-SM)
20		S-10 : 18.0' - 20.0'	12	100	Grey, med. dense, f/c SAND, tr. Gravel, tr. Silt, tr. Organic matter, saturated (SW)
80		S-11 : 20.0' - 22.0'	14	100	Same as S-10
25		S-12 : 22.0' - 24.0'	20	100	Same as S-10
75		S-13 : 24.0' - 26.0'	100+	33	Grey, hard SILT and Gravel, tr. Clay, non-plastic, saturated (ML-TILL)
30		S-14 : 26.0' - 26.2'	100+	100	Same as S-13
70					Depth to Bottom of Hole: 26.1 feet
35					

1. Samples S-1 through S-9 taken with 3" O.D. split spoons, samples S-9 though S-14 taken with 2" O.D. split spoons.

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TEST BORING LOG
JOB No.: 98-537

BORING No.: B-4

PROJECT: Sinclair Broadcasting Group Radio Stations,
Parcel #1, Buffalo Waterfront, Buffalo, New York

DRILLER: J. Gardner/T. Vance

TYPE OF DRILL RIG: Diedrich D-50

SAMPLING METHODS: ASTM D1586

SIZE AND TYPE OF BIT: 4-1/4" ID auger

DATE STARTED: 6/1/98

SURFACE ELEVATION (FT): 103.0'

DATE COMPLETED: 6/1/98

GROUNDWATER DEPTH (FT): 20.7'

(measured at completion unless indicated below)

Elevation/ Depth	Soil Symbols Sampler Symbols Field Test Data	Sample No. : Range	N- Value	% REC (RQD)	Soil and Rock Description / Remarks
0					Topsoil (4")
		S-1 : 0.0' - 2.0'	33	50	Dk. brown, hard Silt and f/c Sand, some Gravel, tr. Cinders, tr. Slag, tr. Brick, tr. Clay, sl. plastic, moist (ML-FILL)
100		S-2 : 2.0' - 4.0'	73	70	Brown, v. dense, f/c Sand, some Gravel, tr. Silt, tr. Cinders, moist (SM-FILL)
5		S-3 : 4.0' - 6.0'	42	75	...grade: dense, tr. Organic matter
		S-4 : 6.0' - 8.0'	42	70	Brown, dense, f/c SAND, little Gravel, tr. Silt, moist (SW)
95		S-5 : 8.0' - 10.0'	15	65	...grade: med. dense, wet
10		S-6 : 10.0' - 12.0'	15	50	Same as S-5
		S-7 : 12.0' - 14.0'	13	80	...grade: saturated
90		S-8 : 14.0' - 16.0'	13	75	Same as S-7
15		S-9 : 16.0' - 18.0'	25	60	Same as S-7
85		S-10 : 18.0' - 20.0'	25	100	Same as S-7
20		S-11 : 20.0' - 22.0'	25	50	...grade: little Silt
		S-12 : 22.0' - 24.0'	21	70	Brown, v. stiff SILT, some Clay, some Gravel, tr. f/c Sand, mod. plastic, wet (ML-TILL)
80		S-13 : 24.0' - 26.0'	24	75	...grade: tr. Gravel
25		S-14 : 26.0' - 27.5'	100+	90	...grade: hard
75		C-1 : 27.5' - 32.5'		96.0 (76.0)	ONONDAGA LIMESTONE Med. to med. lt. grey, crystalline, thin-bedded, LIMESTONE, porous, mod. hard Nx Core: Pcs>1":10 Pcs>4":5 Longest piece: 11.75"
70	REFUSAL				Depth to Bottom of Hole: 32.5 feet
35					

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TEST BORING LOG
JOB No.: 98-537

BORING No.: B-5

PROJECT: Sinclair Broadcasting Group Radio Stations,
Parcel #1, Buffalo Waterfront, Buffalo, New York

DRILLER: J. Gardner/T. Vance

TYPE OF DRILL RIG: CME-55

SAMPLING METHODS: ASTM D1586

SIZE AND TYPE OF BIT: 4-1/4" ID auger

DATE STARTED: 4/14/98

SURFACE ELEVATION (FT): 103.0'

DATE COMPLETED: 4/14/98

GROUNDWATER DEPTH (FT): 11.2'

(measured at completion unless indicated below)

Elevation/ Depth	Soil Symbols Sampler Symbols Field Test Data	Sample No. : Range	N- Value	% REC (RQD)	Soil and Rock Description / Remarks
0					Topsoil (8")
8		S-1 : 0.0' - 2.0'	19	83	Dk. brown, v. stiff Silt, some Gravel, little f/c Sand, tr. Cinders, tr. Clay, sl. plastic, moist (ML-FILL)
11		S-2 : 2.0' - 2.6'	100+	100	Red/brown, hard Clay, some Silt, little Gravel, tr. f/c Sand, tr. Cinders, mod. plastic, moist (CL-FILL)
22					
23					
100/1"					
5		S-3 : 4.0' - 6.0'	100+	100	Tan, v. dense, f/c Sand, some Gravel, tr. Silt, moist (SM-FILL)
47					
61					
42					
52					
31		S-4 : 6.0' - 8.0'	45	100	Black, v. dense, f/c Sand, little Cinders, little Gravel, tr. Brick, tr. Silt, moist (SM-FILL)
24					...grade: dense, lt. brown, some Gravel
21					
25					
95		S-5 : 8.0' - 10.0'	34	100	Lt. brown, dense, f/c SAND, some Gravel, tr. Silt, wet (SW)
22					
17					
17					
32					
10		S-6 : 10.0' - 12.0'	37	92	...grade: saturated
24					
17					
20					
20					
90		S-7 : 12.0' - 14.0'	17	100	...grade: grey/brown, med. dense
17					
8					
9					
15		S-8 : 14.0' - 16.0'	4	100	...grade: v. loose, tr. Gravel, tr. Organic matter, tr. decaying Wood
1					
1					
3					
4					
85		S-9 : 16.0' - 18.0'	24	100	...grade: med. dense
7					
12					
12					
14					
20		S-10 : 18.0' - 20.0'	10	100	...grade: loose
5					
5					
7					
80		S-11 : 20.0' - 22.0'	8	25	...grade: dk. grey
1					
3					
5					
5					
80		S-12 : 22.0' - 24.0'	11	100	...grade: med. dense
4					
5					
6					
14					
25		S-13 : 24.0' - 24.7'	100+	100	Grey, hard SILT, some Gravel, little Clay, little f/c Sand, sl. plastic, saturated (ML-TILL)
25					
75					
30					
70					
35					

Depth to Bottom of Hole: 24.7 feet

1. Samples S-1 through S-7 taken with 3" O.D. split spoons, samples S-8 through S-13 taken with 2" O.D. split spoons.

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TEST BORING LOG
JOB No.: 98-537

BORING No.: B-6

PROJECT: Sinclair Broadcasting Group Radio Stations,
Parcel #1, Buffalo Waterfront, Buffalo, New York

DRILLER: J. Gardner/T. Vance

TYPE OF DRILL RIG: CME-55

SAMPLING METHODS: ASTM D1586

SIZE AND TYPE OF BIT: 4-1/4" ID auger

DATE STARTED: 4/13/98

SURFACE ELEVATION (FT): 102.9'

DATE COMPLETED: 4/13/98

GROUNDWATER DEPTH (FT): 21.0'

(measured at completion unless indicated below)

Elevation/ Depth	Soil Symbols Sampler Symbols Field Test Data	Sample No. : Range	N- Value	% REC (RQD)	Soil and Rock Description / Remarks
0					Topsoil (8")
		S-1 : 0.0' - 2.0'	17	75	Brown, v. stiff Silt, little Gravel, little f/c Sand, tr. Cinders, tr. Clay, sl. to non-plastic, moist (ML-FILL)
100		S-2 : 2.0' - 4.0'	58	75	Tan, v. dense, f/m Sand, some Gravel, moist (SW-FILL) Dk. brown/black, v. dense Gravel and f/c Sand, tr. Cinders, tr. Slag, tr. Silt, moist (GW-FILL)
5		S-3 : 4.0' - 6.0'	64	83	Dk. brown, hard Silt and f/c Sand, little Gravel, tr. Brick, tr. Cinders, tr. Clay, non-plastic, moist (ML-FILL)
		S-4 : 6.0' - 8.0'	57	100	Brown/grey, v. dense, f/c Sand and Gravel, little Silt, moist (SM-FILL) Brown/red, hard Clay, some Silt, tr. f/c Sand, mod. plastic, wet (CL-FILL)
95		S-5 : 8.0' - 10.0'	43	83	Brown/grey, v. dense, f/c Sand and Gravel, little Silt, moist (SM-FILL)
10		S-6 : 10.0' - 12.0'	23	92	Dk. brown, hard Silt, some f/c Sand, little Gravel, tr. Brick, tr. Cinders, tr. Clay, sl. to non-plastic, moist (ML-FILL) Brown/grey, dense, f/c SAND and Gravel, tr. Silt, moist (SW) ...grade: med. dense, f/m SAND, little Silt, wet ...grade: saturated
90		S-7 : 12.0' - 14.0'	17	100	Dk. grey, v. stiff SILT, little f/c Sand, tr. Organic matter, saturated (ML-OL) ...grade: stiff, tr. Gravel
15		S-8 : 14.0' - 16.0'	10	67	Grey, loose GRAVEL and f/c Sand, tr. Silt, saturated (GW) ...grade: med. dense
85		S-9 : 16.0' - 18.0'	23	100	Same as S-9
20		S-10 : 18.0' - 20.0'	18	54	...grade: dense
		S-11 : 20.0' - 22.0'	35	100	...grade: med. dense
80		S-12 : 22.0' - 24.0'	22	58	Brown/grey, v. stiff SILT and Gravel, little f/c Sand, tr. Clay, non-plastic, wet (ML-TILL) ...grade: hard
25		S-13 : 24.0' - 26.0'	90	50	...grade: saturated
		S-14 : 26.0' - 26.7'	100+	80	
75					Depth to Bottom of Hole: 27.8 feet
30					
70					
35					

1. Samples S-1 through S-7 taken with 3" O.D. split spoons, samples S-8 through S-14 taken with 2" O.D. split spoons.

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TEST BORING LOG

JOB No.: 98-537

BORING No.: B-7

PROJECT: Sinclair Broadcasting Group Radio Stations,
Parcel #1, Buffalo Waterfront, Buffalo, New York

DRILLER: J. Gardner/T. Vance

TYPE OF DRILL RIG: CME-55

SAMPLING METHODS: ASTM D1586

SIZE AND TYPE OF BIT: 4-1/4" ID auger

DATE STARTED: 4/13/98

SURFACE ELEVATION (FT): 103.0'

DATE COMPLETED: 4/13/98

GROUNDWATER DEPTH (FT): 20.5'

(measured at completion unless indicated below)

Elevation/ Depth	Soil Symbols Sampler Symbols Field Test Data	Sample No. : Range	N- Value	% REC (RQD)	Soil and Rock Description / Remarks
0					Topsoil (6")
		S-1 : 0.0' - 2.0'	21	75	Dk. brown, med. dense, f/m Sand, some Silt, little Gravel, little Clay, tr. Brick, tr. Cinders, sl. plastic, moist (SM-FILL) ...grade: dense
100		S-2 : 2.0' - 4.0'	60	67	...grade: v. dense, tr. decayed Wood
5		S-3 : 4.0' - 6.0'	61	83	...grade: and Concrete, wet
		S-4 : 6.0' - 6.8'	100+	29	Augered through buried Concrete Rubble
95		S-5 : 8.0' - 8.6'	100+		Brown/grey, med. dense f/c SAND, little Gravel, tr. Silt, wet (SW)
10		S-6 : 10.0' - 12.0'	19	75	Grey, v. stiff SILT and f/c Sand, wet (ML) Brown/grey, med. dense, f/c SAND, little Gravel, tr. Silt, wet (SW) ...grade: and Gravel, saturated
90		S-7 : 12.0' - 14.0'	22	100	Same as S-7
15		S-8 : 14.0' - 16.0'	25	100	...grade: dense
		S-9 : 16.0' - 18.0'	31	100	...grade: med. dense
85		S-10 : 18.0' - 20.0'	24	75	Same as S-7
20		S-11 : 20.0' - 22.0'	11	75	...grade: dense
80		S-12 : 22.0' - 24.0'	33	75	Brown/grey, hard SILT, tr. f. Sand, non-plastic, saturated (ML-TILL) ...grade: little Gravel
25		S-13 : 24.0' - 26.0'	44	50	Same as S-13
		S-14 : 26.0' - 26.2'	100+	100	...grade: and f/c Sand, tr. Clay
75		S-15 : 28.0' - 28.7'	100+	80	
30					Depth to Bottom of Hole: 28.7 feet
70					
35					

1. Samples S-1 through S-9 taken with 3" O.D. split spoons, samples S-9 through S-15 taken with 2" O.D. split spoons.

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TEST BORING LOG
JOB No.: 98-537

BORING No.: B-8

PROJECT: Sinclair Broadcasting Group Radio Stations,
Parcel #1, Buffalo Waterfront, Buffalo, New York

DRILLER: J. Gardner/T. Vance
SAMPLING METHODS: ASTM d1586
DATE STARTED: 6/2/98
DATE COMPLETED: 6/2/98

TYPE OF DRILL RIG: Diedrich D-50
SIZE AND TYPE OF BIT: 4-1/4" ID auger
SURFACE ELEVATION (FT): 101.4'
GROUNDWATER DEPTH (FT): 25.8'
(measured at completion unless indicated below)

Elevation/ Depth	Soil Symbols Sampler Symbols Field Test Data	Sample No. : Range	N- Value	% REC (RQD)	Soil and Rock Description / Remarks
0					Topsoil (4")
100		S-1 : 0.0' - 2.0'	26	40	Red-brown, v. stiff Clay and Silt, tr. f/c Sand, tr. Gravel, mod. plastic, wet (CL-FILL)
		S-2 : 2.0' - 4.0'	64	80	Dk. brown, v. dense, f/c Sand and Gravel, tr. Slag, tr. Cidners, tr. Brick, tr. Silt, moist (SM-FILL)
5		S-3 : 4.0' - 6.0'	100+	75	Same as S-2
95		S-4 : 6.0' - 8.0'	91	100	Brown, v. dense, f/c SAND, some Gravel, tr. Silt, moist (SW)
		S-5 : 8.0' - 8.2'	100+	0	
10		S-6 : 10.0' - 12.0'			(Note 1)
90		S-7 : 12.0' - 14.0'	11	40	...grade: med. dense, saturated
15		S-8 : 14.0' - 16.0'	15	100	Same as S-7
85		S-9 : 16.0' - 18.0'	20	100	Brown/grey, med. dense GRAVEL, little f/c Sand, tr. Silt, saturated (GW)
		S-10 : 18.0' - 20.0'	17	80	Same as S-9
20		S-11 : 20.0' - 22.0'	24	60	Brown/grey, med. dense, f/c SAND, little Gravel, tr. Silt, saturated (SW)
80		S-12 : 22.0' - 24.0'	39	80	Brown, hard SILT, some Clay, little Gravel, tr. f/c Sand, mod. plastic, wet (ML-TILL)
25		S-13 : 24.0' - 26.0'	43	75	Same as S-12
75		S-14 : 26.0' - 27.3'	100+	100+	Same as S-12
30		C-1 : 27.5' - 32.0'		95.6 (72.2)	ONONDAGA LIMESTONE Med. to med. lt. grey, crystalline, thin-bedded, LIMESTONE, porous, mod. hard Nx Core: Pcs>1":10 Pcs>4":6 Longest piece: 7.5"
70					Depth to Bottom of Hole: 32.0 feet
35					

1. No sample taken , augers filled with "blown in" sands.

APPENDIX C

LABORATORY ANALYTICAL DATA

(PROVIDED ELECTRONICALLY ON ENCLOSED CD)



ANALYTICAL REPORT

Lab Number:	L1518182
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Nate Munley
Phone:	(716) 856-0599
Project Name:	15 LARIVIERE + 20 WILKESON
Project Number:	0136-013-002
Report Date:	08/11/15

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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).

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508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: 15 LARIVIERE + 20 WILKESON
Project Number: 0136-013-002

Lab Number: L1518182
Report Date: 08/11/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1518182-01	TP-12 (6-7')	SOIL	15 LARIVIERE DR.+20 WILKESON WAY	07/30/15 11:30	08/03/15
L1518182-02	TP-12 (6-7')	SOIL	15 LARIVIERE DR.+20 WILKESON WAY	08/03/15 08:00	08/03/15
L1518182-03	TP-13 (1.5-5')	SOIL	15 LARIVIERE DR.+20 WILKESON WAY	07/30/15 10:30	08/03/15
L1518182-04	TP-13 (1.5-5')	SOIL	15 LARIVIERE DR.+20 WILKESON WAY	08/03/15 08:30	08/03/15
L1518182-05	TP-14 (4-7')	SOIL	15 LARIVIERE DR.+20 WILKESON WAY	07/30/15 13:00	08/03/15
L1518182-06	TP-14 (4-7')	SOIL	15 LARIVIERE DR.+20 WILKESON WAY	08/03/15 09:00	08/03/15
L1518182-07	TP-15 (.5-5')	SOIL	15 LARIVIERE DR.+20 WILKESON WAY	07/30/15 13:50	08/03/15
L1518182-08	TP-15 (.5-5')	SOIL	15 LARIVIERE DR.+20 WILKESON WAY	08/03/15 09:15	08/03/15
L1518182-09	TP-15 (5-11')	SOIL	15 LARIVIERE DR.+20 WILKESON WAY	07/30/15 14:00	08/03/15
L1518182-10	TP-15 (5-11')	SOIL	15 LARIVIERE DR.+20 WILKESON WAY	08/03/15 09:30	08/03/15
L1518182-11	TP-16 (.5-5')	SOIL	15 LARIVIERE DR.+20 WILKESON WAY	07/30/15 15:00	08/03/15
L1518182-12	TP-16 (.5-5')	SOIL	15 LARIVIERE DR.+20 WILKESON WAY	08/03/15 09:45	08/03/15
L1518182-13	TP-17 (2.5-3.5')	SOIL	15 LARIVIERE DR.+20 WILKESON WAY	07/30/15 16:00	08/03/15
L1518182-14	SB-17 (1-6')	SOIL	15 LARIVIERE DR.+20 WILKESON WAY	07/31/15 15:30	08/03/15
L1518182-15	SB-18 (1-8.5')	SOIL	15 LARIVIERE DR.+20 WILKESON WAY	07/31/15 16:00	08/03/15
L1518182-16	SB-18 (1-8.5')	SOIL	15 LARIVIERE DR.+20 WILKESON WAY	08/03/15 10:00	08/03/15
L1518182-17	SB-19 (1-4')	SOIL	15 LARIVIERE DR.+20 WILKESON WAY	07/31/15 09:30	08/03/15
L1518182-18	SB-26 (4-8')	SOIL	15 LARIVIERE DR.+20 WILKESON WAY	07/31/15 12:00	08/03/15
L1518182-19	SB-20 (1-6')	SOIL	15 LARIVIERE DR.+20 WILKESON WAY	07/31/15 10:00	08/03/15
L1518182-20	SB-21 (2-4')	SOIL	15 LARIVIERE DR.+20 WILKESON WAY	07/31/15 10:40	08/03/15
L1518182-21	SB-21 (2-4')	SOIL	15 LARIVIERE DR.+20 WILKESON WAY	08/03/15 10:15	08/03/15
L1518182-22	SB-21 (18-20')	SOIL	15 LARIVIERE DR.+20 WILKESON WAY	07/31/15 11:05	08/03/15
L1518182-23	SB-21 (18-20')	SOIL	15 LARIVIERE DR.+20 WILKESON WAY	08/03/15 10:30	08/03/15
L1518182-24	SB-22 (3-9')	SOIL	15 LARIVIERE DR.+20 WILKESON WAY	07/31/15 14:00	08/03/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1518182-25	SB-23 (4-8')	SOIL	15 LARIVIERE DR.+20 WILKESON WAY	07/31/15 13:00	08/03/15
L1518182-26	SB-24 (3.5-8')	SOIL	15 LARIVIERE DR.+20 WILKESON WAY	07/31/15 13:30	08/03/15
L1518182-27	SB-25 (2-5')	SOIL	15 LARIVIERE DR.+20 WILKESON WAY	07/31/15 14:45	08/03/15
L1518182-28	SB-25 (2-5')	SOIL	15 LARIVIERE DR.+20 WILKESON WAY	08/03/15 11:00	08/03/15

Project Name: 15 LARIVIERE + 20 WILKESON
Project Number: 0136-013-002

Lab Number: L1518182
Report Date: 08/11/15

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. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

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

HOLD POLICY

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

Please contact Client Services at 800-624-9220 with any questions.

Project Name: 15 LARIVIERE + 20 WILKESON
Project Number: 0136-013-002

Lab Number: L1518182
Report Date: 08/11/15

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.

Metals

L1518182-01, -03, -05, -07, -09, -11, -13, -14, -15, -17 through -20, -22, and -24 through -27, have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

The WG808912-4 MS recoveries for aluminum (0%), calcium (0%), iron (0%), magnesium (370%), and manganese (321%), performed on L1518182-09, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG808912-4 MS recoveries, performed on L1518182-09, are outside the acceptance criteria for arsenic (370%), potassium (73%), selenium (0%), and thallium (60%). A post digestion spike was performed and yielded an unacceptable recovery for thallium (78%); all other compounds were within acceptance criteria. This has been attributed to sample matrix.

The WG809055-4 MS recovery, performed on L1518182-01, is outside the acceptance criteria for mercury (0%). A post digestion spike was performed and was within acceptance criteria.

The WG808912-3 Laboratory Duplicate RPDs, performed on L1518182-09, are outside the acceptance criteria for aluminum (30%), arsenic (31%), barium (37%), calcium (34%), chromium (22%), cobalt (28%), copper (37%), iron (30%), magnesium (29%), nickel (29%) and vanadium (26%). The elevated RPDs have been attributed to the non-homogeneous nature of the sample utilized for the laboratory duplicate.

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:



Cristin Walker

Title: Technical Director/Representative

Date: 08/11/15

ORGANICS

VOLATILES

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS**

Lab ID: L1518182-02
Client ID: TP-12 (6-7')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/07/15 15:20
Analyst: MV
Percent Solids: 80%

Date Collected: 08/03/15 08:00
Date Received: 08/03/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	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	0.49	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: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS****Lab ID:** L1518182-02**Date Collected:** 08/03/15 08:00**Client ID:** TP-12 (6-7')**Date Received:** 08/03/15**Sample Location:** 15 LARIVIERE DR.+20 WILKESON WAY**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	44		ug/kg	13	1.3	1
Carbon disulfide	ND		ug/kg	13	1.4	1
2-Butanone	3.9	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
Naphthalene	ND		ug/kg	6.4	0.18	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	120		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	107		70-130

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS**

Lab ID: L1518182-04
Client ID: TP-13 (1.5-5')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/07/15 15:45
Analyst: MV
Percent Solids: 79%

Date Collected: 08/03/15 08:30
Date Received: 08/03/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.40	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
1,2-Dichloropropane	ND		ug/kg	3.8	0.25	1
Dibromochloromethane	ND		ug/kg	1.1	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.33	1
Tetrachloroethene	ND		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.38	1
Trichlorofluoromethane	ND		ug/kg	5.5	0.42	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.19	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
Bromoform	ND		ug/kg	4.4	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.11	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.6	0.21	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Chloromethane	ND		ug/kg	5.5	0.32	1
Bromomethane	ND		ug/kg	2.2	0.37	1
Vinyl chloride	ND		ug/kg	2.2	0.13	1
Chloroethane	ND		ug/kg	2.2	0.35	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.5	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	5.5	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	5.5	0.15	1

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS****Lab ID:** L1518182-04**Date Collected:** 08/03/15 08:30**Client ID:** TP-13 (1.5-5')**Date Received:** 08/03/15**Sample Location:** 15 LARIVIERE DR.+20 WILKESON WAY**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	2.2	0.09	1
p/m-Xylene	ND		ug/kg	2.2	0.22	1
o-Xylene	ND		ug/kg	2.2	0.19	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
Styrene	ND		ug/kg	2.2	0.44	1
Dichlorodifluoromethane	ND		ug/kg	11	0.21	1
Acetone	2.8	J	ug/kg	11	1.1	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.30	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.27	1
2-Hexanone	ND		ug/kg	11	0.73	1
Bromochloromethane	ND		ug/kg	5.5	0.30	1
1,2-Dibromoethane	ND		ug/kg	4.4	0.19	1
n-Butylbenzene	ND		ug/kg	1.1	0.12	1
sec-Butylbenzene	ND		ug/kg	1.1	0.13	1
tert-Butylbenzene	ND		ug/kg	5.5	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.5	0.43	1
Isopropylbenzene	ND		ug/kg	1.1	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.14	1
Naphthalene	ND		ug/kg	5.5	0.15	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.5	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.5	0.20	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.5	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.5	0.16	1
Methyl Acetate	ND		ug/kg	22	0.30	1
Cyclohexane	ND		ug/kg	22	0.16	1
1,4-Dioxane	ND		ug/kg	110	16.	1
Freon-113	ND		ug/kg	22	0.30	1
Methyl cyclohexane	ND		ug/kg	4.4	0.17	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	107		70-130

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS**

Lab ID: L1518182-06
Client ID: TP-14 (4-7')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/07/15 16:10
Analyst: MV
Percent Solids: 61%

Date Collected: 08/03/15 09:00
Date Received: 08/03/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	18	2.0	1
1,1-Dichloroethane	ND		ug/kg	2.7	0.16	1
Chloroform	ND		ug/kg	2.7	0.68	1
Carbon tetrachloride	ND		ug/kg	1.8	0.38	1
1,2-Dichloropropane	ND		ug/kg	6.4	0.42	1
Dibromochloromethane	ND		ug/kg	1.8	0.28	1
1,1,2-Trichloroethane	ND		ug/kg	2.7	0.56	1
Tetrachloroethene	ND		ug/kg	1.8	0.26	1
Chlorobenzene	ND		ug/kg	1.8	0.64	1
Trichlorofluoromethane	ND		ug/kg	9.1	0.71	1
1,2-Dichloroethane	ND		ug/kg	1.8	0.21	1
1,1,1-Trichloroethane	ND		ug/kg	1.8	0.20	1
Bromodichloromethane	ND		ug/kg	1.8	0.32	1
trans-1,3-Dichloropropene	ND		ug/kg	1.8	0.22	1
cis-1,3-Dichloropropene	ND		ug/kg	1.8	0.21	1
Bromoform	ND		ug/kg	7.3	0.43	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.8	0.18	1
Benzene	ND		ug/kg	1.8	0.22	1
Toluene	ND		ug/kg	2.7	0.36	1
Ethylbenzene	ND		ug/kg	1.8	0.23	1
Chloromethane	ND		ug/kg	9.1	0.54	1
Bromomethane	ND		ug/kg	3.6	0.62	1
Vinyl chloride	ND		ug/kg	3.6	0.21	1
Chloroethane	ND		ug/kg	3.6	0.58	1
1,1-Dichloroethene	ND		ug/kg	1.8	0.48	1
trans-1,2-Dichloroethene	ND		ug/kg	2.7	0.39	1
Trichloroethene	ND		ug/kg	1.8	0.23	1
1,2-Dichlorobenzene	ND		ug/kg	9.1	0.28	1
1,3-Dichlorobenzene	ND		ug/kg	9.1	0.25	1
1,4-Dichlorobenzene	ND		ug/kg	9.1	0.25	1

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS****Lab ID:** L1518182-06**Date Collected:** 08/03/15 09:00**Client ID:** TP-14 (4-7')**Date Received:** 08/03/15**Sample Location:** 15 LARIVIERE DR.+20 WILKESON WAY**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	3.6	0.15	1
p/m-Xylene	ND		ug/kg	3.6	0.36	1
o-Xylene	ND		ug/kg	3.6	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.8	0.26	1
Styrene	ND		ug/kg	3.6	0.73	1
Dichlorodifluoromethane	ND		ug/kg	18	0.35	1
Acetone	37		ug/kg	18	1.9	1
Carbon disulfide	ND		ug/kg	18	2.0	1
2-Butanone	6.9	J	ug/kg	18	0.50	1
4-Methyl-2-pentanone	ND		ug/kg	18	0.44	1
2-Hexanone	ND		ug/kg	18	1.2	1
Bromochloromethane	ND		ug/kg	9.1	0.50	1
1,2-Dibromoethane	ND		ug/kg	7.3	0.32	1
n-Butylbenzene	ND		ug/kg	1.8	0.21	1
sec-Butylbenzene	ND		ug/kg	1.8	0.22	1
tert-Butylbenzene	ND		ug/kg	9.1	0.25	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	9.1	0.72	1
Isopropylbenzene	ND		ug/kg	1.8	0.19	1
p-Isopropyltoluene	ND		ug/kg	1.8	0.23	1
Naphthalene	ND		ug/kg	9.1	0.25	1
n-Propylbenzene	ND		ug/kg	1.8	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	9.1	0.27	1
1,2,4-Trichlorobenzene	ND		ug/kg	9.1	0.33	1
1,3,5-Trimethylbenzene	ND		ug/kg	9.1	0.26	1
1,2,4-Trimethylbenzene	ND		ug/kg	9.1	0.26	1
Methyl Acetate	ND		ug/kg	36	0.49	1
Cyclohexane	ND		ug/kg	36	0.27	1
1,4-Dioxane	ND		ug/kg	180	26.	1
Freon-113	ND		ug/kg	36	0.50	1
Methyl cyclohexane	ND		ug/kg	7.3	0.28	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	127		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	109		70-130

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS**

Lab ID: L1518182-08
Client ID: TP-15 (.5-5')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/07/15 13:59
Analyst: MV
Percent Solids: 85%

Date Collected: 08/03/15 09:15
Date Received: 08/03/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.6	1.1	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.08	1
Chloroform	ND		ug/kg	1.4	0.36	1
Carbon tetrachloride	ND		ug/kg	0.96	0.20	1
1,2-Dichloropropane	ND		ug/kg	3.4	0.22	1
Dibromochloromethane	ND		ug/kg	0.96	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.29	1
Tetrachloroethene	ND		ug/kg	0.96	0.14	1
Chlorobenzene	ND		ug/kg	0.96	0.34	1
Trichlorofluoromethane	ND		ug/kg	4.8	0.37	1
1,2-Dichloroethane	ND		ug/kg	0.96	0.11	1
1,1,1-Trichloroethane	ND		ug/kg	0.96	0.11	1
Bromodichloromethane	ND		ug/kg	0.96	0.17	1
trans-1,3-Dichloropropene	ND		ug/kg	0.96	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	0.96	0.11	1
Bromoform	ND		ug/kg	3.8	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.96	0.10	1
Benzene	ND		ug/kg	0.96	0.11	1
Toluene	ND		ug/kg	1.4	0.19	1
Ethylbenzene	ND		ug/kg	0.96	0.12	1
Chloromethane	ND		ug/kg	4.8	0.28	1
Bromomethane	ND		ug/kg	1.9	0.32	1
Vinyl chloride	ND		ug/kg	1.9	0.11	1
Chloroethane	ND		ug/kg	1.9	0.30	1
1,1-Dichloroethene	ND		ug/kg	0.96	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1
Trichloroethene	ND		ug/kg	0.96	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	4.8	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	4.8	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	4.8	0.13	1

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS****Lab ID:** L1518182-08**Date Collected:** 08/03/15 09:15**Client ID:** TP-15 (.5-5')**Date Received:** 08/03/15**Sample Location:** 15 LARIVIERE DR.+20 WILKESON WAY**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	1.9	0.08	1
p/m-Xylene	ND		ug/kg	1.9	0.19	1
o-Xylene	ND		ug/kg	1.9	0.16	1
cis-1,2-Dichloroethene	ND		ug/kg	0.96	0.14	1
Styrene	ND		ug/kg	1.9	0.39	1
Dichlorodifluoromethane	ND		ug/kg	9.6	0.18	1
Acetone	2.0	J	ug/kg	9.6	1.0	1
Carbon disulfide	ND		ug/kg	9.6	1.1	1
2-Butanone	ND		ug/kg	9.6	0.26	1
4-Methyl-2-pentanone	ND		ug/kg	9.6	0.24	1
2-Hexanone	ND		ug/kg	9.6	0.64	1
Bromochloromethane	ND		ug/kg	4.8	0.27	1
1,2-Dibromoethane	ND		ug/kg	3.8	0.17	1
n-Butylbenzene	ND		ug/kg	0.96	0.11	1
sec-Butylbenzene	ND		ug/kg	0.96	0.12	1
tert-Butylbenzene	ND		ug/kg	4.8	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.8	0.38	1
Isopropylbenzene	ND		ug/kg	0.96	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.96	0.12	1
Naphthalene	ND		ug/kg	4.8	0.13	1
n-Propylbenzene	ND		ug/kg	0.96	0.10	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.8	0.14	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.8	0.18	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.8	0.14	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.8	0.14	1
Methyl Acetate	ND		ug/kg	19	0.26	1
Cyclohexane	ND		ug/kg	19	0.14	1
1,4-Dioxane	ND		ug/kg	96	14.	1
Freon-113	ND		ug/kg	19	0.26	1
Methyl cyclohexane	ND		ug/kg	3.8	0.15	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	105		70-130

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS**

Lab ID: L1518182-10
Client ID: TP-15 (5-11')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/10/15 09:38
Analyst: BN
Percent Solids: 87%

Date Collected: 08/03/15 09:30
Date Received: 08/03/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.3	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.10	1
Chloroform	ND		ug/kg	1.7	0.42	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
1,2-Dichloropropane	ND		ug/kg	4.0	0.26	1
Dibromochloromethane	ND		ug/kg	1.1	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.35	1
Tetrachloroethene	ND		ug/kg	1.1	0.16	1
Chlorobenzene	ND		ug/kg	1.1	0.40	1
Trichlorofluoromethane	ND		ug/kg	5.7	0.44	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.13	1
Bromodichloromethane	ND		ug/kg	1.1	0.20	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
Bromoform	ND		ug/kg	4.6	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.12	1
Benzene	ND		ug/kg	1.1	0.14	1
Toluene	ND		ug/kg	1.7	0.22	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Chloromethane	ND		ug/kg	5.7	0.34	1
Bromomethane	ND		ug/kg	2.3	0.39	1
Vinyl chloride	ND		ug/kg	2.3	0.13	1
Chloroethane	ND		ug/kg	2.3	0.36	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	ND		ug/kg	1.1	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.7	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	5.7	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	5.7	0.16	1

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS****Lab ID:** L1518182-10**Date Collected:** 08/03/15 09:30**Client ID:** TP-15 (5-11')**Date Received:** 08/03/15**Sample Location:** 15 LARIVIERE DR.+20 WILKESON WAY**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/kg	2.3	0.10	1
p/m-Xylene	ND		ug/kg	2.3	0.23	1
o-Xylene	ND		ug/kg	2.3	0.20	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
Styrene	ND		ug/kg	2.3	0.46	1
Dichlorodifluoromethane	ND		ug/kg	11	0.22	1
Acetone	ND		ug/kg	11	1.2	1
Carbon disulfide	ND		ug/kg	11	1.3	1
2-Butanone	ND		ug/kg	11	0.31	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.28	1
2-Hexanone	ND		ug/kg	11	0.76	1
Bromochloromethane	ND		ug/kg	5.7	0.32	1
1,2-Dibromoethane	ND		ug/kg	4.6	0.20	1
n-Butylbenzene	ND		ug/kg	1.1	0.13	1
sec-Butylbenzene	ND		ug/kg	1.1	0.14	1
tert-Butylbenzene	ND		ug/kg	5.7	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.7	0.45	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.14	1
Naphthalene	ND		ug/kg	5.7	0.16	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.7	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.7	0.21	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.7	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.7	0.16	1
Methyl Acetate	ND		ug/kg	23	0.31	1
Cyclohexane	ND		ug/kg	23	0.17	1
1,4-Dioxane	ND		ug/kg	110	16.	1
Freon-113	ND		ug/kg	23	0.31	1
Methyl cyclohexane	ND		ug/kg	4.6	0.18	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	102		70-130

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS**

Lab ID: L1518182-12
Client ID: TP-16 (.5-5')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/07/15 14:26
Analyst: MV
Percent Solids: 81%

Date Collected: 08/03/15 09:45
Date Received: 08/03/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	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	1.1	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.7	0.24	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.32	1
Tetrachloroethene	ND		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.37	1
Trichlorofluoromethane	ND		ug/kg	5.3	0.41	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.12	1
Bromoform	ND		ug/kg	4.2	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.11	1
Benzene	ND		ug/kg	1.1	0.12	1
Toluene	ND		ug/kg	1.6	0.21	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Chloromethane	ND		ug/kg	5.3	0.31	1
Bromomethane	ND		ug/kg	2.1	0.36	1
Vinyl chloride	ND		ug/kg	2.1	0.12	1
Chloroethane	ND		ug/kg	2.1	0.34	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.22	1
Trichloroethene	ND		ug/kg	1.1	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.3	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	5.3	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.3	0.15	1

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS****Lab ID:** L1518182-12**Date Collected:** 08/03/15 09:45**Client ID:** TP-16 (.5-5')**Date Received:** 08/03/15**Sample Location:** 15 LARIVIERE DR.+20 WILKESON WAY**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	1.1	0.15	1
Styrene	ND		ug/kg	2.1	0.43	1
Dichlorodifluoromethane	ND		ug/kg	11	0.20	1
Acetone	2.0	J	ug/kg	11	1.1	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.29	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.26	1
2-Hexanone	ND		ug/kg	11	0.71	1
Bromochloromethane	ND		ug/kg	5.3	0.29	1
1,2-Dibromoethane	ND		ug/kg	4.2	0.18	1
n-Butylbenzene	ND		ug/kg	1.1	0.12	1
sec-Butylbenzene	ND		ug/kg	1.1	0.13	1
tert-Butylbenzene	ND		ug/kg	5.3	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.3	0.42	1
Isopropylbenzene	ND		ug/kg	1.1	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.13	1
Naphthalene	ND		ug/kg	5.3	0.15	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.3	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.3	0.19	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.3	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.3	0.15	1
Methyl Acetate	ND		ug/kg	21	0.29	1
Cyclohexane	ND		ug/kg	21	0.16	1
1,4-Dioxane	ND		ug/kg	110	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	113		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	115		70-130

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS**

Lab ID: L1518182-16
Client ID: SB-18 (1-8.5')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/07/15 14:52
Analyst: MV
Percent Solids: 88%

Date Collected: 08/03/15 10:00
Date Received: 08/03/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	8.6	0.95	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.07	1
Chloroform	ND		ug/kg	1.3	0.32	1
Carbon tetrachloride	ND		ug/kg	0.86	0.18	1
1,2-Dichloropropane	ND		ug/kg	3.0	0.20	1
Dibromochloromethane	ND		ug/kg	0.86	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.26	1
Tetrachloroethene	ND		ug/kg	0.86	0.12	1
Chlorobenzene	ND		ug/kg	0.86	0.30	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.33	1
1,2-Dichloroethane	ND		ug/kg	0.86	0.10	1
1,1,1-Trichloroethane	ND		ug/kg	0.86	0.10	1
Bromodichloromethane	ND		ug/kg	0.86	0.15	1
trans-1,3-Dichloropropene	ND		ug/kg	0.86	0.10	1
cis-1,3-Dichloropropene	ND		ug/kg	0.86	0.10	1
Bromoform	ND		ug/kg	3.4	0.20	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.86	0.09	1
Benzene	0.20	J	ug/kg	0.86	0.10	1
Toluene	ND		ug/kg	1.3	0.17	1
Ethylbenzene	ND		ug/kg	0.86	0.11	1
Chloromethane	ND		ug/kg	4.3	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	0.86	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.18	1
Trichloroethene	ND		ug/kg	0.86	0.11	1
1,2-Dichlorobenzene	ND		ug/kg	4.3	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	4.3	0.12	1
1,4-Dichlorobenzene	ND		ug/kg	4.3	0.12	1

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS****Lab ID:** L1518182-16**Date Collected:** 08/03/15 10:00**Client ID:** SB-18 (1-8.5')**Date Received:** 08/03/15**Sample Location:** 15 LARIVIERE DR.+20 WILKESON WAY**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	0.15	1
cis-1,2-Dichloroethene	ND		ug/kg	0.86	0.12	1
Styrene	ND		ug/kg	1.7	0.34	1
Dichlorodifluoromethane	ND		ug/kg	8.6	0.16	1
Acetone	21		ug/kg	8.6	0.89	1
Carbon disulfide	ND		ug/kg	8.6	0.95	1
2-Butanone	1.9	J	ug/kg	8.6	0.23	1
4-Methyl-2-pentanone	ND		ug/kg	8.6	0.21	1
2-Hexanone	ND		ug/kg	8.6	0.57	1
Bromochloromethane	ND		ug/kg	4.3	0.24	1
1,2-Dibromoethane	ND		ug/kg	3.4	0.15	1
n-Butylbenzene	ND		ug/kg	0.86	0.10	1
sec-Butylbenzene	ND		ug/kg	0.86	0.10	1
tert-Butylbenzene	ND		ug/kg	4.3	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.3	0.34	1
Isopropylbenzene	ND		ug/kg	0.86	0.09	1
p-Isopropyltoluene	ND		ug/kg	0.86	0.11	1
Naphthalene	ND		ug/kg	4.3	0.12	1
n-Propylbenzene	ND		ug/kg	0.86	0.09	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.3	0.13	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.3	0.16	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.3	0.12	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.3	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	86	12.	1
Freon-113	ND		ug/kg	17	0.24	1
Methyl cyclohexane	0.20	J	ug/kg	3.4	0.13	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	105		70-130

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS**

Lab ID: L1518182-21
Client ID: SB-21 (2-4')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/07/15 15:19
Analyst: MV
Percent Solids: 85%

Date Collected: 08/03/15 10:15
Date Received: 08/03/15
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	0.22	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	1.5	0.31	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	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	0.11	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	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.2	0.30	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	1.5	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: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS****Lab ID:** L1518182-21**Date Collected:** 08/03/15 10:15**Client ID:** SB-21 (2-4')**Date Received:** 08/03/15**Sample Location:** 15 LARIVIERE DR.+20 WILKESON WAY**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	0.20	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	0.41	1
Dichlorodifluoromethane	ND		ug/kg	10	0.20	1
Acetone	40		ug/kg	10	1.1	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	5.3	J	ug/kg	10	0.28	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
2-Hexanone	ND		ug/kg	10	0.69	1
Bromochloromethane	ND		ug/kg	5.2	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	ND		ug/kg	1.0	0.12	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
Naphthalene	9.1		ug/kg	5.2	0.14	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	0.14	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	0.28	1
Methyl cyclohexane	ND		ug/kg	4.1	0.16	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	122		70-130

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS**

Lab ID: L1518182-23
Client ID: SB-21 (18-20')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/07/15 17:06
Analyst: MV
Percent Solids: 85%

Date Collected: 08/03/15 10:30
Date Received: 08/03/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	790	87.	1
1,1-Dichloroethane	ND		ug/kg	120	6.8	1
Chloroform	ND		ug/kg	120	29.	1
Carbon tetrachloride	ND		ug/kg	79	17.	1
1,2-Dichloropropane	ND		ug/kg	280	18.	1
Dibromochloromethane	ND		ug/kg	79	12.	1
1,1,2-Trichloroethane	ND		ug/kg	120	24.	1
Tetrachloroethene	ND		ug/kg	79	11.	1
Chlorobenzene	32	J	ug/kg	79	28.	1
Trichlorofluoromethane	ND		ug/kg	400	31.	1
1,2-Dichloroethane	ND		ug/kg	79	9.0	1
1,1,1-Trichloroethane	ND		ug/kg	79	8.8	1
Bromodichloromethane	ND		ug/kg	79	14.	1
trans-1,3-Dichloropropene	ND		ug/kg	79	9.6	1
cis-1,3-Dichloropropene	ND		ug/kg	79	9.3	1
Bromoform	ND		ug/kg	320	19.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	79	8.0	1
Benzene	54	J	ug/kg	79	9.3	1
Toluene	720		ug/kg	120	15.	1
Ethylbenzene	28	J	ug/kg	79	10.	1
Chloromethane	ND		ug/kg	400	23.	1
Bromomethane	ND		ug/kg	160	27.	1
Vinyl chloride	ND		ug/kg	160	9.3	1
Chloroethane	ND		ug/kg	160	25.	1
1,1-Dichloroethene	ND		ug/kg	79	21.	1
trans-1,2-Dichloroethene	ND		ug/kg	120	17.	1
Trichloroethene	ND		ug/kg	79	9.9	1
1,2-Dichlorobenzene	ND		ug/kg	400	12.	1
1,3-Dichlorobenzene	ND		ug/kg	400	11.	1
1,4-Dichlorobenzene	ND		ug/kg	400	11.	1

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS****Lab ID:** L1518182-23**Date Collected:** 08/03/15 10:30**Client ID:** SB-21 (18-20')**Date Received:** 08/03/15**Sample Location:** 15 LARIVIERE DR.+20 WILKESON WAY**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	160	6.7	1
p/m-Xylene	100	J	ug/kg	160	16.	1
o-Xylene	37	J	ug/kg	160	14.	1
cis-1,2-Dichloroethene	ND		ug/kg	79	11.	1
Styrene	ND		ug/kg	160	32.	1
Dichlorodifluoromethane	ND		ug/kg	790	15.	1
Acetone	210	J	ug/kg	790	82.	1
Carbon disulfide	ND		ug/kg	790	87.	1
2-Butanone	ND		ug/kg	790	22.	1
4-Methyl-2-pentanone	ND		ug/kg	790	19.	1
2-Hexanone	ND		ug/kg	790	53.	1
Bromochloromethane	ND		ug/kg	400	22.	1
1,2-Dibromoethane	ND		ug/kg	320	14.	1
n-Butylbenzene	29	J	ug/kg	79	9.1	1
sec-Butylbenzene	49	J	ug/kg	79	9.6	1
tert-Butylbenzene	ND		ug/kg	400	11.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	400	31.	1
Isopropylbenzene	17	J	ug/kg	79	8.2	1
p-Isopropyltoluene	33	J	ug/kg	79	9.9	1
Naphthalene	420		ug/kg	400	11.	1
n-Propylbenzene	17	J	ug/kg	79	8.6	1
1,2,3-Trichlorobenzene	ND		ug/kg	400	12.	1
1,2,4-Trichlorobenzene	ND		ug/kg	400	14.	1
1,3,5-Trimethylbenzene	62	J	ug/kg	400	11.	1
1,2,4-Trimethylbenzene	170	J	ug/kg	400	11.	1
Methyl Acetate	160	J	ug/kg	1600	21.	1
Cyclohexane	ND		ug/kg	1600	12.	1
1,4-Dioxane	ND		ug/kg	7900	1100	1
Freon-113	ND		ug/kg	1600	22.	1
Methyl cyclohexane	62	J	ug/kg	320	12.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	121		70-130
Dibromofluoromethane	96		70-130

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS**

Lab ID: L1518182-28
Client ID: SB-25 (2-5')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/07/15 16:12
Analyst: MV
Percent Solids: 86%

Date Collected: 08/03/15 11:00
Date Received: 08/03/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.6	1.1	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.08	1
Chloroform	ND		ug/kg	1.4	0.36	1
Carbon tetrachloride	ND		ug/kg	0.96	0.20	1
1,2-Dichloropropane	ND		ug/kg	3.4	0.22	1
Dibromochloromethane	ND		ug/kg	0.96	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.29	1
Tetrachloroethene	ND		ug/kg	0.96	0.14	1
Chlorobenzene	ND		ug/kg	0.96	0.34	1
Trichlorofluoromethane	ND		ug/kg	4.8	0.37	1
1,2-Dichloroethane	ND		ug/kg	0.96	0.11	1
1,1,1-Trichloroethane	ND		ug/kg	0.96	0.11	1
Bromodichloromethane	ND		ug/kg	0.96	0.17	1
trans-1,3-Dichloropropene	ND		ug/kg	0.96	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	0.96	0.11	1
Bromoform	ND		ug/kg	3.8	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.96	0.10	1
Benzene	ND		ug/kg	0.96	0.11	1
Toluene	0.24	J	ug/kg	1.4	0.19	1
Ethylbenzene	ND		ug/kg	0.96	0.12	1
Chloromethane	ND		ug/kg	4.8	0.28	1
Bromomethane	ND		ug/kg	1.9	0.33	1
Vinyl chloride	ND		ug/kg	1.9	0.11	1
Chloroethane	ND		ug/kg	1.9	0.30	1
1,1-Dichloroethene	ND		ug/kg	0.96	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1
Trichloroethene	ND		ug/kg	0.96	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	4.8	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	4.8	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	4.8	0.13	1

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS****Lab ID:** L1518182-28**Date Collected:** 08/03/15 11:00**Client ID:** SB-25 (2-5')**Date Received:** 08/03/15**Sample Location:** 15 LARIVIERE DR.+20 WILKESON WAY**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	1.9	0.08	1
p/m-Xylene	ND		ug/kg	1.9	0.19	1
o-Xylene	ND		ug/kg	1.9	0.16	1
cis-1,2-Dichloroethene	ND		ug/kg	0.96	0.14	1
Styrene	ND		ug/kg	1.9	0.39	1
Dichlorodifluoromethane	ND		ug/kg	9.6	0.18	1
Acetone	2.0	J	ug/kg	9.6	1.0	1
Carbon disulfide	ND		ug/kg	9.6	1.1	1
2-Butanone	ND		ug/kg	9.6	0.26	1
4-Methyl-2-pentanone	ND		ug/kg	9.6	0.24	1
2-Hexanone	ND		ug/kg	9.6	0.64	1
Bromochloromethane	ND		ug/kg	4.8	0.27	1
1,2-Dibromoethane	ND		ug/kg	3.8	0.17	1
n-Butylbenzene	ND		ug/kg	0.96	0.11	1
sec-Butylbenzene	ND		ug/kg	0.96	0.12	1
tert-Butylbenzene	ND		ug/kg	4.8	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.8	0.38	1
Isopropylbenzene	ND		ug/kg	0.96	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.96	0.12	1
Naphthalene	0.24	J	ug/kg	4.8	0.13	1
n-Propylbenzene	ND		ug/kg	0.96	0.10	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.8	0.14	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.8	0.18	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.8	0.14	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.8	0.14	1
Methyl Acetate	ND		ug/kg	19	0.26	1
Cyclohexane	ND		ug/kg	19	0.14	1
1,4-Dioxane	ND		ug/kg	96	14.	1
Freon-113	ND		ug/kg	19	0.26	1
Methyl cyclohexane	ND		ug/kg	3.8	0.15	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	125		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	117		70-130

Project Name: 15 LARIVIERE + 20 WILKESON

Lab Number: L1518182

Project Number: 0136-013-002

Report Date: 08/11/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/07/15 08:08
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 08,12,16,21,28 Batch: WG810335-3					
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
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
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
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
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	0.62	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

Project Name: 15 LARIVIERE + 20 WILKESON

Lab Number: L1518182

Project Number: 0136-013-002

Report Date: 08/11/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/07/15 08:08
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 08,12,16,21,28 Batch: WG810335-3					
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
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
Xylene (Total)	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene (total)	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
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

Project Name: 15 LARIVIERE + 20 WILKESON

Lab Number: L1518182

Project Number: 0136-013-002

Report Date: 08/11/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/07/15 08:08
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 08,12,16,21,28 Batch: WG810335-3					
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
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
Acrylonitrile	ND		ug/kg	10	0.51
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	ND		ug/kg	60	2.9
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
Ethyl Acetate	ND		ug/kg	20	0.92
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.27
1,4-Diethylbenzene	ND		ug/kg	4.0	0.16
4-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	1.0
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.12

Project Name: 15 LARIVIERE + 20 WILKESON

Lab Number: L1518182

Project Number: 0136-013-002

Report Date: 08/11/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/07/15 08:08
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 08,12,16,21,28 Batch: WG810335-3					
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.10

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	96		70-130

Project Name: 15 LARIVIERE + 20 WILKESON

Lab Number: L1518182

Project Number: 0136-013-002

Report Date: 08/11/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/07/15 08:08
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 23 Batch: WG810336-3					
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
2-Chloroethylvinyl ether	ND		ug/kg	1000	31.
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
1,3-Dichloropropene, Total	ND		ug/kg	50	5.9
1,1-Dichloropropene	ND		ug/kg	250	7.1
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	31	J	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.

Project Name: 15 LARIVIERE + 20 WILKESON

Lab Number: L1518182

Project Number: 0136-013-002

Report Date: 08/11/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/07/15 08:08
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 23 Batch: WG810336-3					
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
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
Xylene (Total)	ND		ug/kg	100	8.6
cis-1,2-Dichloroethene	ND		ug/kg	50	7.1
1,2-Dichloroethene (total)	ND		ug/kg	50	7.1
Dibromomethane	ND		ug/kg	500	8.2
Styrene	ND		ug/kg	100	20.
Dichlorodifluoromethane	ND		ug/kg	500	9.5
Acetone	ND		ug/kg	500	52.
Carbon disulfide	ND		ug/kg	500	55.
2-Butanone	ND		ug/kg	500	14.
Vinyl acetate	ND		ug/kg	500	6.6
4-Methyl-2-pentanone	ND		ug/kg	500	12.
1,2,3-Trichloropropane	ND		ug/kg	500	8.1
2-Hexanone	ND		ug/kg	500	33.
Bromochloromethane	ND		ug/kg	250	14.
2,2-Dichloropropane	ND		ug/kg	250	11.
1,2-Dibromoethane	ND		ug/kg	200	8.7
1,3-Dichloropropane	ND		ug/kg	250	7.3
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	16.
Bromobenzene	ND		ug/kg	250	10.
n-Butylbenzene	ND		ug/kg	50	5.7
sec-Butylbenzene	ND		ug/kg	50	6.1
tert-Butylbenzene	ND		ug/kg	250	6.8

Project Name: 15 LARIVIERE + 20 WILKESON

Lab Number: L1518182

Project Number: 0136-013-002

Report Date: 08/11/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/07/15 08:08
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 23 Batch: WG810336-3					
o-Chlorotoluene	ND		ug/kg	250	8.0
p-Chlorotoluene	ND		ug/kg	250	6.6
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	20.
Hexachlorobutadiene	ND		ug/kg	250	11.
Isopropylbenzene	ND		ug/kg	50	5.2
p-Isopropyltoluene	ND		ug/kg	50	6.2
Naphthalene	ND		ug/kg	250	6.9
Acrylonitrile	ND		ug/kg	500	26.
Isopropyl Ether	ND		ug/kg	200	7.0
tert-Butyl Alcohol	ND		ug/kg	3000	150
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.
Ethyl Acetate	ND		ug/kg	1000	46.
Acrolein	ND		ug/kg	1200	400
Cyclohexane	ND		ug/kg	1000	7.3
1,4-Dioxane	ND		ug/kg	5000	720
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	1000	14.
1,4-Diethylbenzene	ND		ug/kg	200	8.0
4-Ethyltoluene	ND		ug/kg	200	6.2
1,2,4,5-Tetramethylbenzene	ND		ug/kg	200	6.5
Tetrahydrofuran	ND		ug/kg	1000	50.
Ethyl ether	ND		ug/kg	250	13.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	20.
Methyl cyclohexane	ND		ug/kg	200	7.7
Ethyl-Tert-Butyl-Ether	ND		ug/kg	200	5.8

Project Name: 15 LARIVIERE + 20 WILKESON

Lab Number: L1518182

Project Number: 0136-013-002

Report Date: 08/11/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/07/15 08:08
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 23 Batch: WG810336-3					
Tertiary-Amyl Methyl Ether	ND		ug/kg	200	4.8

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	96		70-130

Project Name: 15 LARIVIERE + 20 WILKESON

Lab Number: L1518182

Project Number: 0136-013-002

Report Date: 08/11/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/07/15 08:31
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,04,06 Batch: WG810364-3					
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
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
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
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
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	0.45	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

Project Name: 15 LARIVIERE + 20 WILKESON

Lab Number: L1518182

Project Number: 0136-013-002

Report Date: 08/11/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/07/15 08:31
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,04,06 Batch: WG810364-3					
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
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
Xylene (Total)	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene (total)	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
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

Project Name: 15 LARIVIERE + 20 WILKESON

Lab Number: L1518182

Project Number: 0136-013-002

Report Date: 08/11/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/07/15 08:31
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,04,06 Batch: WG810364-3					
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
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
Acrylonitrile	ND		ug/kg	10	0.51
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	ND		ug/kg	60	2.9
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
Ethyl Acetate	ND		ug/kg	20	0.92
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.27
1,4-Diethylbenzene	ND		ug/kg	4.0	0.16
4-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	1.0
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.12

Project Name: 15 LARIVIERE + 20 WILKESON

Lab Number: L1518182

Project Number: 0136-013-002

Report Date: 08/11/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 08/07/15 08:31

Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,04,06 Batch: WG810364-3					
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.10

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	99		70-130

Project Name: 15 LARIVIERE + 20 WILKESON

Lab Number: L1518182

Project Number: 0136-013-002

Report Date: 08/11/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/10/15 09:11
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 10 Batch: WG810666-3					
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
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
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
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
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	ND		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

Project Name: 15 LARIVIERE + 20 WILKESON

Lab Number: L1518182

Project Number: 0136-013-002

Report Date: 08/11/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/10/15 09:11
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 10 Batch: WG810666-3					
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
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
Xylene (Total)	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene (total)	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	3.2	J	ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
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

Project Name: 15 LARIVIERE + 20 WILKESON

Lab Number: L1518182

Project Number: 0136-013-002

Report Date: 08/11/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/10/15 09:11
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 10 Batch: WG810666-3					
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
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
Acrylonitrile	ND		ug/kg	10	0.51
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	ND		ug/kg	60	2.9
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
Ethyl Acetate	ND		ug/kg	20	0.92
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.27
1,4-Diethylbenzene	ND		ug/kg	4.0	0.16
4-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	1.0
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.12

Project Name: 15 LARIVIERE + 20 WILKESON

Lab Number: L1518182

Project Number: 0136-013-002

Report Date: 08/11/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 08/10/15 09:11

Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 10 Batch: WG810666-3					
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.10

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	96		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 15 LARIVIERE + 20 WILKESON

Project Number: 0136-013-002

Lab Number: L1518182

Report Date: 08/11/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08,12,16,21,28 Batch: WG810335-1 WG810335-2								
Methylene chloride	85		98		70-130	14		30
1,1-Dichloroethane	91		98		70-130	7		30
Chloroform	102		105		70-130	3		30
Carbon tetrachloride	100		95		70-130	5		30
1,2-Dichloropropane	86		87		70-130	1		30
Dibromochloromethane	96		92		70-130	4		30
2-Chloroethylvinyl ether	80		82		70-130	2		30
1,1,2-Trichloroethane	96		92		70-130	4		30
Tetrachloroethene	90		80		70-130	12		30
Chlorobenzene	94		93		70-130	1		30
Trichlorofluoromethane	154	Q	110		70-139	33	Q	30
1,2-Dichloroethane	107		114		70-130	6		30
1,1,1-Trichloroethane	100		98		70-130	2		30
Bromodichloromethane	99		98		70-130	1		30
trans-1,3-Dichloropropene	90		96		70-130	6		30
cis-1,3-Dichloropropene	91		88		70-130	3		30
1,1-Dichloropropene	93		94		70-130	1		30
Bromoform	86		96		70-130	11		30
1,1,2,2-Tetrachloroethane	89		99		70-130	11		30
Benzene	90		94		70-130	4		30
Toluene	89		85		70-130	5		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 15 LARIVIERE + 20 WILKESON

Project Number: 0136-013-002

Lab Number: L1518182

Report Date: 08/11/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08,12,16,21,28 Batch: WG810335-1 WG810335-2								
Ethylbenzene	95		92		70-130	3		30
Chloromethane	84		90		52-130	7		30
Bromomethane	194	Q	153	Q	57-147	24		30
Vinyl chloride	133	Q	119		67-130	11		30
Chloroethane	219	Q	157	Q	50-151	33	Q	30
1,1-Dichloroethene	92		96		65-135	4		30
trans-1,2-Dichloroethene	106		96		70-130	10		30
Trichloroethene	93		90		70-130	3		30
1,2-Dichlorobenzene	91		100		70-130	9		30
1,3-Dichlorobenzene	94		94		70-130	0		30
1,4-Dichlorobenzene	93		94		70-130	1		30
Methyl tert butyl ether	107		110		66-130	3		30
p/m-Xylene	94		94		70-130	0		30
o-Xylene	95		97		70-130	2		30
cis-1,2-Dichloroethene	95		97		70-130	2		30
Dibromomethane	99		100		70-130	1		30
Styrene	97		100		70-130	3		30
Dichlorodifluoromethane	104		91		30-146	13		30
Acetone	105		131		54-140	22		30
Carbon disulfide	86		94		59-130	9		30
2-Butanone	84		106		70-130	23		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 15 LARIVIERE + 20 WILKESON

Project Number: 0136-013-002

Lab Number: L1518182

Report Date: 08/11/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08,12,16,21,28 Batch: WG810335-1 WG810335-2								
Vinyl acetate	108		104		70-130	4		30
4-Methyl-2-pentanone	77		72		70-130	7		30
1,2,3-Trichloropropane	90		96		68-130	6		30
2-Hexanone	81		79		70-130	3		30
Bromochloromethane	99		100		70-130	1		30
2,2-Dichloropropane	104		103		70-130	1		30
1,2-Dibromoethane	101		93		70-130	8		30
1,3-Dichloropropane	93		90		69-130	3		30
1,1,1,2-Tetrachloroethane	95		97		70-130	2		30
Bromobenzene	91		94		70-130	3		30
n-Butylbenzene	110		99		70-130	11		30
sec-Butylbenzene	93		88		70-130	6		30
tert-Butylbenzene	94		89		70-130	5		30
o-Chlorotoluene	92		96		70-130	4		30
p-Chlorotoluene	92		91		70-130	1		30
1,2-Dibromo-3-chloropropane	81		92		68-130	13		30
Hexachlorobutadiene	82		85		67-130	4		30
Isopropylbenzene	92		94		70-130	2		30
p-Isopropyltoluene	94		89		70-130	5		30
Naphthalene	84		96		70-130	13		30
Acrylonitrile	76		94		70-130	21		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 15 LARIVIERE + 20 WILKESON

Project Number: 0136-013-002

Lab Number: L1518182

Report Date: 08/11/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08,12,16,21,28 Batch: WG810335-1 WG810335-2								
Diisopropyl Ether	81		101		66-130	22		30
Tert-Butyl Alcohol	82		96		70-130	16		30
n-Propylbenzene	94		95		70-130	1		30
1,2,3-Trichlorobenzene	89		96		70-130	8		30
1,2,4-Trichlorobenzene	91		96		70-130	5		30
1,3,5-Trimethylbenzene	94		94		70-130	0		30
1,2,4-Trimethylbenzene	94		93		70-130	1		30
Methyl Acetate	100		99		51-146	1		30
Ethyl Acetate	78		94		70-130	19		30
Acrolein	74		101		70-130	31	Q	30
Cyclohexane	79		81		59-142	3		30
1,4-Dioxane	81		81		65-136	0		30
Freon-113	94		92		50-139	2		30
p-Diethylbenzene	120		94		70-130	24		30
p-Ethyltoluene	93		92		70-130	1		30
1,2,4,5-Tetramethylbenzene	99		94		70-130	5		30
Tetrahydrofuran	76		92		66-130	19		30
Ethyl ether	92		111		67-130	19		30
trans-1,4-Dichloro-2-butene	88		93		70-130	6		30
Methyl cyclohexane	85		78		70-130	9		30
Ethyl-Tert-Butyl-Ether	110		105		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 15 LARIVIERE + 20 WILKESON

Lab Number: L1518182

Project Number: 0136-013-002

Report Date: 08/11/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08,12,16,21,28 Batch: WG810335-1 WG810335-2								
Tertiary-Amyl Methyl Ether	91		104		70-130	13		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	108		118		70-130
Toluene-d8	97		97		70-130
4-Bromofluorobenzene	117		108		70-130
Dibromofluoromethane	105		109		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 15 LARIVIERE + 20 WILKESON

Project Number: 0136-013-002

Lab Number: L1518182

Report Date: 08/11/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 23 Batch: WG810336-1 WG810336-2								
Methylene chloride	85		98		70-130	14		30
1,1-Dichloroethane	91		98		70-130	7		30
Chloroform	102		105		70-130	3		30
Carbon tetrachloride	100		95		70-130	5		30
1,2-Dichloropropane	86		87		70-130	1		30
Dibromochloromethane	96		92		70-130	4		30
2-Chloroethylvinyl ether	80		82		70-130	2		30
1,1,2-Trichloroethane	96		92		70-130	4		30
Tetrachloroethene	90		80		70-130	12		30
Chlorobenzene	94		93		70-130	1		30
Trichlorofluoromethane	154	Q	110		70-139	33	Q	30
1,2-Dichloroethane	107		114		70-130	6		30
1,1,1-Trichloroethane	100		98		70-130	2		30
Bromodichloromethane	99		98		70-130	1		30
trans-1,3-Dichloropropene	90		96		70-130	6		30
cis-1,3-Dichloropropene	91		88		70-130	3		30
1,1-Dichloropropene	93		94		70-130	1		30
Bromoform	86		96		70-130	11		30
1,1,2,2-Tetrachloroethane	89		99		70-130	11		30
Benzene	90		94		70-130	4		30
Toluene	89		85		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 15 LARIVIERE + 20 WILKESON

Project Number: 0136-013-002

Lab Number: L1518182

Report Date: 08/11/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 23 Batch: WG810336-1 WG810336-2								
Ethylbenzene	95		92		70-130	3		30
Chloromethane	84		90		52-130	7		30
Bromomethane	194	Q	153	Q	57-147	24		30
Vinyl chloride	133	Q	119		67-130	11		30
Chloroethane	219	Q	157	Q	50-151	33	Q	30
1,1-Dichloroethene	92		96		65-135	4		30
trans-1,2-Dichloroethene	106		96		70-130	10		30
Trichloroethene	93		90		70-130	3		30
1,2-Dichlorobenzene	91		100		70-130	9		30
1,3-Dichlorobenzene	94		94		70-130	0		30
1,4-Dichlorobenzene	93		94		70-130	1		30
Methyl tert butyl ether	107		110		66-130	3		30
p/m-Xylene	94		94		70-130	0		30
o-Xylene	95		97		70-130	2		30
cis-1,2-Dichloroethene	95		97		70-130	2		30
Dibromomethane	99		100		70-130	1		30
Styrene	97		100		70-130	3		30
Dichlorodifluoromethane	104		91		30-146	13		30
Acetone	105		131		54-140	22		30
Carbon disulfide	86		94		59-130	9		30
2-Butanone	84		106		70-130	23		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 15 LARIVIERE + 20 WILKESON

Project Number: 0136-013-002

Lab Number: L1518182

Report Date: 08/11/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 23 Batch: WG810336-1 WG810336-2								
Vinyl acetate	108		104		70-130	4		30
4-Methyl-2-pentanone	77		72		70-130	7		30
1,2,3-Trichloropropane	90		96		68-130	6		30
2-Hexanone	81		79		70-130	3		30
Bromochloromethane	99		100		70-130	1		30
2,2-Dichloropropane	104		103		70-130	1		30
1,2-Dibromoethane	101		93		70-130	8		30
1,3-Dichloropropane	93		90		69-130	3		30
1,1,1,2-Tetrachloroethane	95		97		70-130	2		30
Bromobenzene	91		94		70-130	3		30
n-Butylbenzene	110		99		70-130	11		30
sec-Butylbenzene	93		88		70-130	6		30
tert-Butylbenzene	94		89		70-130	5		30
o-Chlorotoluene	92		96		70-130	4		30
p-Chlorotoluene	92		91		70-130	1		30
1,2-Dibromo-3-chloropropane	81		92		68-130	13		30
Hexachlorobutadiene	82		85		67-130	4		30
Isopropylbenzene	92		94		70-130	2		30
p-Isopropyltoluene	94		89		70-130	5		30
Naphthalene	84		96		70-130	13		30
Acrylonitrile	76		94		70-130	21		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 15 LARIVIERE + 20 WILKESON

Project Number: 0136-013-002

Lab Number: L1518182

Report Date: 08/11/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 23 Batch: WG810336-1 WG810336-2								
Diisopropyl Ether	81		101		66-130	22		30
Tert-Butyl Alcohol	82		96		70-130	16		30
n-Propylbenzene	94		95		70-130	1		30
1,2,3-Trichlorobenzene	89		96		70-130	8		30
1,2,4-Trichlorobenzene	91		96		70-130	5		30
1,3,5-Trimethylbenzene	94		94		70-130	0		30
1,2,4-Trimethylbenzene	94		93		70-130	1		30
Methyl Acetate	100		99		51-146	1		30
Ethyl Acetate	78		94		70-130	19		30
Acrolein	74		101		70-130	31	Q	30
Cyclohexane	79		81		59-142	3		30
1,4-Dioxane	81		81		65-136	0		30
Freon-113	94		92		50-139	2		30
p-Diethylbenzene	120		94		70-130	24		30
p-Ethyltoluene	93		92		70-130	1		30
1,2,4,5-Tetramethylbenzene	99		94		70-130	5		30
Tetrahydrofuran	76		92		66-130	19		30
Ethyl ether	92		111		67-130	19		30
trans-1,4-Dichloro-2-butene	88		93		70-130	6		30
Methyl cyclohexane	85		78		70-130	9		30
Ethyl-Tert-Butyl-Ether	110		105		70-130	5		30

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 23 Batch: WG810336-1 WG810336-2								
Tertiary-Amyl Methyl Ether	91		104		70-130	13		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	108		118		70-130
Toluene-d8	97		97		70-130
4-Bromofluorobenzene	116		108		70-130
Dibromofluoromethane	105		109		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 15 LARIVIERE + 20 WILKESON

Project Number: 0136-013-002

Lab Number: L1518182

Report Date: 08/11/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,04,06 Batch: WG810364-1 WG810364-2								
Methylene chloride	105		104		70-130	1		30
1,1-Dichloroethane	106		106		70-130	0		30
Chloroform	114		114		70-130	0		30
Carbon tetrachloride	114		110		70-130	4		30
1,2-Dichloropropane	99		100		70-130	1		30
Dibromochloromethane	101		100		70-130	1		30
2-Chloroethylvinyl ether	85		86		70-130	1		30
1,1,2-Trichloroethane	106		104		70-130	2		30
Tetrachloroethene	112		108		70-130	4		30
Chlorobenzene	103		101		70-130	2		30
Trichlorofluoromethane	115		111		70-139	4		30
1,2-Dichloroethane	105		106		70-130	1		30
1,1,1-Trichloroethane	116		112		70-130	4		30
Bromodichloromethane	110		110		70-130	0		30
trans-1,3-Dichloropropene	108		107		70-130	1		30
cis-1,3-Dichloropropene	107		107		70-130	0		30
1,1-Dichloropropene	111		110		70-130	1		30
Bromoform	102		100		70-130	2		30
1,1,2,2-Tetrachloroethane	94		94		70-130	0		30
Benzene	109		109		70-130	0		30
Toluene	104		102		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 15 LARIVIERE + 20 WILKESON

Project Number: 0136-013-002

Lab Number: L1518182

Report Date: 08/11/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,04,06 Batch: WG810364-1 WG810364-2								
Ethylbenzene	109		106		70-130	3		30
Chloromethane	90		88		52-130	2		30
Bromomethane	105		101		57-147	4		30
Vinyl chloride	112		108		67-130	4		30
Chloroethane	110		111		50-151	1		30
1,1-Dichloroethene	111		109		65-135	2		30
trans-1,2-Dichloroethene	110		108		70-130	2		30
Trichloroethene	110		109		70-130	1		30
1,2-Dichlorobenzene	100		100		70-130	0		30
1,3-Dichlorobenzene	102		100		70-130	2		30
1,4-Dichlorobenzene	102		100		70-130	2		30
Methyl tert butyl ether	102		102		66-130	0		30
p/m-Xylene	107		104		70-130	3		30
o-Xylene	107		105		70-130	2		30
cis-1,2-Dichloroethene	108		107		70-130	1		30
Dibromomethane	102		104		70-130	2		30
Styrene	106		104		70-130	2		30
Dichlorodifluoromethane	107		103		30-146	4		30
Acetone	100		99		54-140	1		30
Carbon disulfide	108		106		59-130	2		30
2-Butanone	90		91		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 15 LARIVIERE + 20 WILKESON

Project Number: 0136-013-002

Lab Number: L1518182

Report Date: 08/11/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,04,06 Batch: WG810364-1 WG810364-2								
Vinyl acetate	91		91		70-130	0		30
4-Methyl-2-pentanone	77		76		70-130	1		30
1,2,3-Trichloropropane	98		97		68-130	1		30
2-Hexanone	70		71		70-130	1		30
Bromochloromethane	104		105		70-130	1		30
2,2-Dichloropropane	116		112		70-130	4		30
1,2-Dibromoethane	99		98		70-130	1		30
1,3-Dichloropropane	105		104		69-130	1		30
1,1,1,2-Tetrachloroethane	107		105		70-130	2		30
Bromobenzene	99		97		70-130	2		30
n-Butylbenzene	111		106		70-130	5		30
sec-Butylbenzene	104		101		70-130	3		30
tert-Butylbenzene	100		96		70-130	4		30
o-Chlorotoluene	97		104		70-130	7		30
p-Chlorotoluene	105		101		70-130	4		30
1,2-Dibromo-3-chloropropane	86		87		68-130	1		30
Hexachlorobutadiene	119		113		67-130	5		30
Isopropylbenzene	110		106		70-130	4		30
p-Isopropyltoluene	102		98		70-130	4		30
Naphthalene	90		89		70-130	1		30
Acrylonitrile	79		80		70-130	1		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 15 LARIVIERE + 20 WILKESON

Project Number: 0136-013-002

Lab Number: L1518182

Report Date: 08/11/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,04,06 Batch: WG810364-1 WG810364-2								
Diisopropyl Ether	93		93		66-130	0		30
Tert-Butyl Alcohol	78		82		70-130	5		30
n-Propylbenzene	105		101		70-130	4		30
1,2,3-Trichlorobenzene	109		108		70-130	1		30
1,2,4-Trichlorobenzene	112		110		70-130	2		30
1,3,5-Trimethylbenzene	103		100		70-130	3		30
1,2,4-Trimethylbenzene	102		99		70-130	3		30
Methyl Acetate	86		84		51-146	2		30
Ethyl Acetate	74		80		70-130	8		30
Acrolein	70		72		70-130	3		30
Cyclohexane	96		94		59-142	2		30
1,4-Dioxane	89		92		65-136	3		30
Freon-113	114		110		50-139	4		30
p-Diethylbenzene	110		108		70-130	2		30
p-Ethyltoluene	110		108		70-130	2		30
1,2,4,5-Tetramethylbenzene	108		107		70-130	1		30
Tetrahydrofuran	73		81		66-130	10		30
Ethyl ether	104		106		67-130	2		30
trans-1,4-Dichloro-2-butene	86		84		70-130	2		30
Methyl cyclohexane	108		105		70-130	3		30
Ethyl-Tert-Butyl-Ether	98		99		70-130	1		30

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,04,06 Batch: WG810364-1 WG810364-2								
Tertiary-Amyl Methyl Ether	102		102		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		102		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	95		94		70-130
Dibromofluoromethane	103		103		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 15 LARIVIERE + 20 WILKESON

Project Number: 0136-013-002

Lab Number: L1518182

Report Date: 08/11/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 10 Batch: WG810666-1 WG810666-2								
Methylene chloride	94		93		70-130	1		30
1,1-Dichloroethane	109		107		70-130	2		30
Chloroform	111		109		70-130	2		30
Carbon tetrachloride	111		111		70-130	0		30
1,2-Dichloropropane	104		104		70-130	0		30
Dibromochloromethane	101		100		70-130	1		30
2-Chloroethylvinyl ether	103		97		70-130	6		30
1,1,2-Trichloroethane	106		104		70-130	2		30
Tetrachloroethene	102		100		70-130	2		30
Chlorobenzene	106		104		70-130	2		30
Trichlorofluoromethane	138		132		70-139	4		30
1,2-Dichloroethane	110		108		70-130	2		30
1,1,1-Trichloroethane	113		110		70-130	3		30
Bromodichloromethane	108		106		70-130	2		30
trans-1,3-Dichloropropene	107		104		70-130	3		30
cis-1,3-Dichloropropene	107		106		70-130	1		30
1,1-Dichloropropene	112		109		70-130	3		30
Bromoform	96		95		70-130	1		30
1,1,2,2-Tetrachloroethane	103		100		70-130	3		30
Benzene	108		106		70-130	2		30
Toluene	104		101		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 15 LARIVIERE + 20 WILKESON

Project Number: 0136-013-002

Lab Number: L1518182

Report Date: 08/11/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 10 Batch: WG810666-1 WG810666-2								
Ethylbenzene	109		107		70-130	2		30
Chloromethane	95		94		52-130	1		30
Bromomethane	168	Q	155	Q	57-147	8		30
Vinyl chloride	126		122		67-130	3		30
Chloroethane	186	Q	177	Q	50-151	5		30
1,1-Dichloroethene	110		107		65-135	3		30
trans-1,2-Dichloroethene	108		105		70-130	3		30
Trichloroethene	109		106		70-130	3		30
1,2-Dichlorobenzene	102		101		70-130	1		30
1,3-Dichlorobenzene	104		102		70-130	2		30
1,4-Dichlorobenzene	104		101		70-130	3		30
Methyl tert butyl ether	103		102		66-130	1		30
p/m-Xylene	110		107		70-130	3		30
o-Xylene	110		107		70-130	3		30
cis-1,2-Dichloroethene	105		104		70-130	1		30
Dibromomethane	107		105		70-130	2		30
Styrene	111		109		70-130	2		30
Dichlorodifluoromethane	106		102		30-146	4		30
Acetone	110		107		54-140	3		30
Carbon disulfide	105		103		59-130	2		30
2-Butanone	96		99		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 15 LARIVIERE + 20 WILKESON

Project Number: 0136-013-002

Lab Number: L1518182

Report Date: 08/11/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 10 Batch: WG810666-1 WG810666-2								
Vinyl acetate	104		102		70-130	2		30
4-Methyl-2-pentanone	94		93		70-130	1		30
1,2,3-Trichloropropane	103		101		68-130	2		30
2-Hexanone	92		90		70-130	2		30
Bromochloromethane	105		103		70-130	2		30
2,2-Dichloropropane	117		114		70-130	3		30
1,2-Dibromoethane	101		99		70-130	2		30
1,3-Dichloropropane	104		103		69-130	1		30
1,1,1,2-Tetrachloroethane	104		101		70-130	3		30
Bromobenzene	101		100		70-130	1		30
n-Butylbenzene	114		110		70-130	4		30
sec-Butylbenzene	110		108		70-130	2		30
tert-Butylbenzene	108		105		70-130	3		30
o-Chlorotoluene	107		105		70-130	2		30
p-Chlorotoluene	110		106		70-130	4		30
1,2-Dibromo-3-chloropropane	92		88		68-130	4		30
Hexachlorobutadiene	101		97		67-130	4		30
Isopropylbenzene	109		107		70-130	2		30
p-Isopropyltoluene	110		108		70-130	2		30
Naphthalene	97		94		70-130	3		30
Acrylonitrile	99		92		70-130	7		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 15 LARIVIERE + 20 WILKESON

Project Number: 0136-013-002

Lab Number: L1518182

Report Date: 08/11/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 10 Batch: WG810666-1 WG810666-2								
Diisopropyl Ether	103		102		66-130	1		30
Tert-Butyl Alcohol	90		84		70-130	7		30
n-Propylbenzene	110		109		70-130	1		30
1,2,3-Trichlorobenzene	101		96		70-130	5		30
1,2,4-Trichlorobenzene	102		98		70-130	4		30
1,3,5-Trimethylbenzene	110		106		70-130	4		30
1,2,4-Trimethylbenzene	111		107		70-130	4		30
Methyl Acetate	96		92		51-146	4		30
Ethyl Acetate	94		94		70-130	0		30
Acrolein	94		94		70-130	0		30
Cyclohexane	108		108		59-142	0		30
1,4-Dioxane	105		100		65-136	5		30
Freon-113	112		110		50-139	2		30
p-Diethylbenzene	111		107		70-130	4		30
p-Ethyltoluene	110		107		70-130	3		30
1,2,4,5-Tetramethylbenzene	111		106		70-130	5		30
Tetrahydrofuran	95		94		66-130	1		30
Ethyl ether	101		100		67-130	1		30
trans-1,4-Dichloro-2-butene	100		97		70-130	3		30
Methyl cyclohexane	110		108		70-130	2		30
Ethyl-Tert-Butyl-Ether	104		103		70-130	1		30

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 10 Batch: WG810666-1 WG810666-2								
Tertiary-Amyl Methyl Ether	103		102		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	105		104		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	100		100		70-130
Dibromofluoromethane	102		103		70-130

SEMIVOLATILES

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS**

Lab ID: L1518182-01
Client ID: TP-12 (6-7')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/06/15 22:13
Analyst: MY
Percent Solids: 81%

Date Collected: 07/30/15 11:30
Date Received: 08/03/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/04/15 12:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	57	J	ug/kg	160	42.	1
Hexachlorobenzene	ND		ug/kg	120	38.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	57.	1
2-Chloronaphthalene	ND		ug/kg	200	67.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	44.	1
2,6-Dinitrotoluene	ND		ug/kg	200	52.	1
Fluoranthene	1100		ug/kg	120	38.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	62.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	47.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	72.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	62.	1
Hexachlorobutadiene	ND		ug/kg	200	58.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	130	1
Hexachloroethane	ND		ug/kg	160	37.	1
Isophorone	ND		ug/kg	180	54.	1
Naphthalene	110	J	ug/kg	200	68.	1
Nitrobenzene	ND		ug/kg	180	49.	1
NDPA/DPA	ND		ug/kg	160	43.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	61.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	54.	1
Butyl benzyl phthalate	ND		ug/kg	200	40.	1
Di-n-butylphthalate	ND		ug/kg	200	39.	1
Di-n-octylphthalate	ND		ug/kg	200	50.	1
Diethyl phthalate	ND		ug/kg	200	43.	1
Dimethyl phthalate	ND		ug/kg	200	52.	1
Benzo(a)anthracene	640		ug/kg	120	40.	1
Benzo(a)pyrene	560		ug/kg	160	50.	1
Benzo(b)fluoranthene	800		ug/kg	120	41.	1
Benzo(k)fluoranthene	320		ug/kg	120	39.	1

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS****Lab ID:** L1518182-01**Date Collected:** 07/30/15 11:30**Client ID:** TP-12 (6-7')**Date Received:** 08/03/15**Sample Location:** 15 LARIVIERE DR.+20 WILKESON WAY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	650		ug/kg	120	40.	1
Acenaphthylene	91	J	ug/kg	160	38.	1
Anthracene	220		ug/kg	120	34.	1
Benzo(ghi)perylene	330		ug/kg	160	42.	1
Fluorene	74	J	ug/kg	200	59.	1
Phenanthrene	700		ug/kg	120	40.	1
Dibenzo(a,h)anthracene	110	J	ug/kg	120	40.	1
Indeno(1,2,3-cd)pyrene	390		ug/kg	160	45.	1
Pyrene	970		ug/kg	120	40.	1
Biphenyl	ND		ug/kg	470	67.	1
4-Chloroaniline	ND		ug/kg	200	54.	1
2-Nitroaniline	ND		ug/kg	200	58.	1
3-Nitroaniline	ND		ug/kg	200	56.	1
4-Nitroaniline	ND		ug/kg	200	55.	1
Dibenzofuran	ND		ug/kg	200	68.	1
2-Methylnaphthalene	66	J	ug/kg	240	65.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	63.	1
Acetophenone	ND		ug/kg	200	63.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	59.	1
2-Chlorophenol	ND		ug/kg	200	62.	1
2,4-Dichlorophenol	ND		ug/kg	180	66.	1
2,4-Dimethylphenol	ND		ug/kg	200	61.	1
2-Nitrophenol	ND		ug/kg	440	64.	1
4-Nitrophenol	ND		ug/kg	290	66.	1
2,4-Dinitrophenol	ND		ug/kg	980	280	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	75.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	60.	1
2-Methylphenol	ND		ug/kg	200	66.	1
3-Methylphenol/4-Methylphenol	100	J	ug/kg	290	67.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	66.	1
Carbazole	87	J	ug/kg	200	44.	1
Benzaldehyde	ND		ug/kg	270	83.	1
Caprolactam	ND		ug/kg	200	56.	1
Atrazine	ND		ug/kg	160	46.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	35.	1

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS****Lab ID:** L1518182-01**Date Collected:** 07/30/15 11:30**Client ID:** TP-12 (6-7')**Date Received:** 08/03/15**Sample Location:** 15 LARIVIERE DR.+20 WILKESON WAY**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	75		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	79		10-136
4-Terphenyl-d14	48		18-120

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS**

Lab ID: L1518182-03
Client ID: TP-13 (1.5-5')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/06/15 22:40
Analyst: MY
Percent Solids: 92%

Date Collected: 07/30/15 10:30
Date Received: 08/03/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/04/15 12:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	42	J	ug/kg	140	36.	1
Hexachlorobenzene	ND		ug/kg	110	33.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	50.	1
2-Chloronaphthalene	ND		ug/kg	180	58.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	38.	1
2,6-Dinitrotoluene	ND		ug/kg	180	45.	1
Fluoranthene	540		ug/kg	110	32.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	54.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	41.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	62.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	54.	1
Hexachlorobutadiene	ND		ug/kg	180	50.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	110	1
Hexachloroethane	ND		ug/kg	140	32.	1
Isophorone	ND		ug/kg	160	47.	1
Naphthalene	ND		ug/kg	180	59.	1
Nitrobenzene	ND		ug/kg	160	42.	1
NDPA/DPA	ND		ug/kg	140	37.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	53.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	46.	1
Butyl benzyl phthalate	ND		ug/kg	180	34.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	44.	1
Diethyl phthalate	ND		ug/kg	180	37.	1
Dimethyl phthalate	ND		ug/kg	180	45.	1
Benzo(a)anthracene	300		ug/kg	110	35.	1
Benzo(a)pyrene	280		ug/kg	140	43.	1
Benzo(b)fluoranthene	410		ug/kg	110	36.	1
Benzo(k)fluoranthene	150		ug/kg	110	34.	1

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS****Lab ID:** L1518182-03**Date Collected:** 07/30/15 10:30**Client ID:** TP-13 (1.5-5')**Date Received:** 08/03/15**Sample Location:** 15 LARIVIERE DR.+20 WILKESON WAY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	340		ug/kg	110	35.	1
Acenaphthylene	34	J	ug/kg	140	33.	1
Anthracene	110		ug/kg	110	29.	1
Benzo(ghi)perylene	190		ug/kg	140	37.	1
Fluorene	ND		ug/kg	180	51.	1
Phenanthrene	330		ug/kg	110	34.	1
Dibenzo(a,h)anthracene	64	J	ug/kg	110	34.	1
Indeno(1,2,3-cd)pyrene	230		ug/kg	140	39.	1
Pyrene	490		ug/kg	110	34.	1
Biphenyl	ND		ug/kg	400	58.	1
4-Chloroaniline	ND		ug/kg	180	47.	1
2-Nitroaniline	ND		ug/kg	180	50.	1
3-Nitroaniline	ND		ug/kg	180	49.	1
4-Nitroaniline	ND		ug/kg	180	48.	1
Dibenzofuran	ND		ug/kg	180	59.	1
2-Methylnaphthalene	ND		ug/kg	210	56.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	55.	1
Acetophenone	ND		ug/kg	180	55.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	33.	1
p-Chloro-m-cresol	ND		ug/kg	180	51.	1
2-Chlorophenol	ND		ug/kg	180	53.	1
2,4-Dichlorophenol	ND		ug/kg	160	57.	1
2,4-Dimethylphenol	ND		ug/kg	180	53.	1
2-Nitrophenol	ND		ug/kg	380	55.	1
4-Nitrophenol	ND		ug/kg	250	57.	1
2,4-Dinitrophenol	ND		ug/kg	850	240	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	65.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	180	52.	1
2-Methylphenol	ND		ug/kg	180	57.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	58.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	57.	1
Carbazole	38	J	ug/kg	180	38.	1
Benzaldehyde	ND		ug/kg	230	71.	1
Caprolactam	ND		ug/kg	180	49.	1
Atrazine	ND		ug/kg	140	40.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	30.	1

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS**

Lab ID: L1518182-03

Date Collected: 07/30/15 10:30

Client ID: TP-13 (1.5-5')

Date Received: 08/03/15

Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY

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	70		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	71		10-136
4-Terphenyl-d14	59		18-120

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS**

Lab ID: L1518182-05
Client ID: TP-14 (4-7')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/06/15 23:07
Analyst: MY
Percent Solids: 76%

Date Collected: 07/30/15 13:00
Date Received: 08/03/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/04/15 12:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	44.	1
Hexachlorobenzene	ND		ug/kg	130	40.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	60.	1
2-Chloronaphthalene	ND		ug/kg	210	70.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	57.	1
2,4-Dinitrotoluene	ND		ug/kg	210	46.	1
2,6-Dinitrotoluene	ND		ug/kg	210	55.	1
Fluoranthene	ND		ug/kg	130	39.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	65.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	49.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	75.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	65.	1
Hexachlorobutadiene	ND		ug/kg	210	60.	1
Hexachlorocyclopentadiene	ND		ug/kg	610	140	1
Hexachloroethane	ND		ug/kg	170	39.	1
Isophorone	ND		ug/kg	190	57.	1
Naphthalene	ND		ug/kg	210	71.	1
Nitrobenzene	ND		ug/kg	190	51.	1
NDPA/DPA	ND		ug/kg	170	45.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	64.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	56.	1
Butyl benzyl phthalate	ND		ug/kg	210	42.	1
Di-n-butylphthalate	ND		ug/kg	210	41.	1
Di-n-octylphthalate	ND		ug/kg	210	52.	1
Diethyl phthalate	ND		ug/kg	210	45.	1
Dimethyl phthalate	ND		ug/kg	210	54.	1
Benzo(a)anthracene	ND		ug/kg	130	42.	1
Benzo(a)pyrene	ND		ug/kg	170	52.	1
Benzo(b)fluoranthene	ND		ug/kg	130	43.	1
Benzo(k)fluoranthene	ND		ug/kg	130	41.	1

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS****Lab ID:** L1518182-05**Date Collected:** 07/30/15 13:00**Client ID:** TP-14 (4-7')**Date Received:** 08/03/15**Sample Location:** 15 LARIVIERE DR.+20 WILKESON WAY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	ND		ug/kg	130	42.	1
Acenaphthylene	ND		ug/kg	170	40.	1
Anthracene	ND		ug/kg	130	36.	1
Benzo(ghi)perylene	ND		ug/kg	170	44.	1
Fluorene	ND		ug/kg	210	61.	1
Phenanthrene	ND		ug/kg	130	42.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	41.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	170	47.	1
Pyrene	ND		ug/kg	130	41.	1
Biphenyl	ND		ug/kg	490	70.	1
4-Chloroaniline	ND		ug/kg	210	56.	1
2-Nitroaniline	ND		ug/kg	210	60.	1
3-Nitroaniline	ND		ug/kg	210	59.	1
4-Nitroaniline	ND		ug/kg	210	58.	1
Dibenzofuran	ND		ug/kg	210	71.	1
2-Methylnaphthalene	ND		ug/kg	260	68.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	66.	1
Acetophenone	ND		ug/kg	210	66.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	40.	1
p-Chloro-m-cresol	ND		ug/kg	210	62.	1
2-Chlorophenol	ND		ug/kg	210	64.	1
2,4-Dichlorophenol	ND		ug/kg	190	69.	1
2,4-Dimethylphenol	ND		ug/kg	210	64.	1
2-Nitrophenol	ND		ug/kg	460	66.	1
4-Nitrophenol	ND		ug/kg	300	69.	1
2,4-Dinitrophenol	ND		ug/kg	1000	290	1
4,6-Dinitro-o-cresol	ND		ug/kg	550	78.	1
Pentachlorophenol	ND		ug/kg	170	46.	1
Phenol	ND		ug/kg	210	63.	1
2-Methylphenol	ND		ug/kg	210	69.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	310	70.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	69.	1
Carbazole	ND		ug/kg	210	46.	1
Benzaldehyde	ND		ug/kg	280	86.	1
Caprolactam	ND		ug/kg	210	59.	1
Atrazine	ND		ug/kg	170	48.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	210	36.	1

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS****Lab ID:** L1518182-05**Date Collected:** 07/30/15 13:00**Client ID:** TP-14 (4-7')**Date Received:** 08/03/15**Sample Location:** 15 LARIVIERE DR.+20 WILKESON WAY**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	69		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	54		30-120
2,4,6-Tribromophenol	76		10-136
4-Terphenyl-d14	45		18-120

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS**

Lab ID: L1518182-07
Client ID: TP-15 (.5-5')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/06/15 23:35
Analyst: MY
Percent Solids: 86%

Date Collected: 07/30/15 13:50
Date Received: 08/03/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/04/15 12:20

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	62.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	41.	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	37.	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	40.	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: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS****Lab ID:** L1518182-07**Date Collected:** 07/30/15 13:50**Client ID:** TP-15 (.5-5')**Date Received:** 08/03/15**Sample Location:** 15 LARIVIERE DR.+20 WILKESON WAY**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	42.	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	59.	1
Acetophenone	ND		ug/kg	190	59.	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	410	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	43.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	33.	1

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS****Lab ID:** L1518182-07**Date Collected:** 07/30/15 13:50**Client ID:** TP-15 (.5-5')**Date Received:** 08/03/15**Sample Location:** 15 LARIVIERE DR.+20 WILKESON WAY**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	72		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	79		10-136
4-Terphenyl-d14	61		18-120

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS**

Lab ID: L1518182-09
Client ID: TP-15 (5-11')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/07/15 00:02
Analyst: MY
Percent Solids: 94%

Date Collected: 07/30/15 14:00
Date Received: 08/03/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/04/15 12:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	46	J	ug/kg	140	36.	1
Hexachlorobenzene	ND		ug/kg	100	33.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	49.	1
2-Chloronaphthalene	ND		ug/kg	180	57.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	38.	1
2,6-Dinitrotoluene	ND		ug/kg	180	45.	1
Fluoranthene	550		ug/kg	100	32.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	54.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	40.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	62.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	53.	1
Hexachlorobutadiene	ND		ug/kg	180	50.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	110	1
Hexachloroethane	ND		ug/kg	140	32.	1
Isophorone	ND		ug/kg	160	47.	1
Naphthalene	ND		ug/kg	180	58.	1
Nitrobenzene	ND		ug/kg	160	42.	1
NDPA/DPA	ND		ug/kg	140	37.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	52.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	46.	1
Butyl benzyl phthalate	ND		ug/kg	180	34.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	43.	1
Diethyl phthalate	ND		ug/kg	180	37.	1
Dimethyl phthalate	ND		ug/kg	180	45.	1
Benzo(a)anthracene	250		ug/kg	100	34.	1
Benzo(a)pyrene	210		ug/kg	140	43.	1
Benzo(b)fluoranthene	260		ug/kg	100	36.	1
Benzo(k)fluoranthene	94	J	ug/kg	100	34.	1

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS****Lab ID:** L1518182-09**Date Collected:** 07/30/15 14:00**Client ID:** TP-15 (5-11')**Date Received:** 08/03/15**Sample Location:** 15 LARIVIERE DR.+20 WILKESON WAY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	260		ug/kg	100	34.	1
Acenaphthylene	ND		ug/kg	140	33.	1
Anthracene	120		ug/kg	100	29.	1
Benzo(ghi)perylene	130	J	ug/kg	140	36.	1
Fluorene	ND		ug/kg	180	50.	1
Phenanthrene	440		ug/kg	100	34.	1
Dibenzo(a,h)anthracene	36	J	ug/kg	100	34.	1
Indeno(1,2,3-cd)pyrene	140		ug/kg	140	39.	1
Pyrene	470		ug/kg	100	34.	1
Biphenyl	ND		ug/kg	400	58.	1
4-Chloroaniline	ND		ug/kg	180	46.	1
2-Nitroaniline	ND		ug/kg	180	50.	1
3-Nitroaniline	ND		ug/kg	180	48.	1
4-Nitroaniline	ND		ug/kg	180	48.	1
Dibenzofuran	ND		ug/kg	180	59.	1
2-Methylnaphthalene	ND		ug/kg	210	56.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	54.	1
Acetophenone	ND		ug/kg	180	54.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	180	51.	1
2-Chlorophenol	ND		ug/kg	180	53.	1
2,4-Dichlorophenol	ND		ug/kg	160	57.	1
2,4-Dimethylphenol	ND		ug/kg	180	52.	1
2-Nitrophenol	ND		ug/kg	380	55.	1
4-Nitrophenol	ND		ug/kg	250	57.	1
2,4-Dinitrophenol	ND		ug/kg	840	240	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	64.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	180	52.	1
2-Methylphenol	ND		ug/kg	180	57.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	58.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	57.	1
Carbazole	47	J	ug/kg	180	38.	1
Benzaldehyde	ND		ug/kg	230	71.	1
Caprolactam	ND		ug/kg	180	48.	1
Atrazine	ND		ug/kg	140	40.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	30.	1

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS**

Lab ID: L1518182-09

Date Collected: 07/30/15 14:00

Client ID: TP-15 (5-11')

Date Received: 08/03/15

Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY

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	77		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	83		10-136
4-Terphenyl-d14	69		18-120

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS**

Lab ID: L1518182-11
Client ID: TP-16 (.5-5')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/07/15 00:30
Analyst: MY
Percent Solids: 88%

Date Collected: 07/30/15 15:00
Date Received: 08/03/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/04/15 12:20

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	170	52.	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	48.	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	43.	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	34.	1
Isophorone	ND		ug/kg	170	49.	1
Naphthalene	ND		ug/kg	180	62.	1
Nitrobenzene	ND		ug/kg	170	44.	1
NDPA/DPA	ND		ug/kg	150	39.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	55.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	49.	1
Butyl benzyl phthalate	ND		ug/kg	180	36.	1
Di-n-butylphthalate	ND		ug/kg	180	36.	1
Di-n-octylphthalate	ND		ug/kg	180	46.	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: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS****Lab ID:** L1518182-11**Date Collected:** 07/30/15 15:00**Client ID:** TP-16 (.5-5')**Date Received:** 08/03/15**Sample Location:** 15 LARIVIERE DR.+20 WILKESON WAY**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	35.	1
Anthracene	ND		ug/kg	110	31.	1
Benzo(ghi)perylene	ND		ug/kg	150	39.	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	61.	1
4-Chloroaniline	ND		ug/kg	180	49.	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	62.	1
2-Methylnaphthalene	ND		ug/kg	220	59.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	58.	1
Acetophenone	ND		ug/kg	180	58.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	54.	1
2-Chlorophenol	ND		ug/kg	180	56.	1
2,4-Dichlorophenol	ND		ug/kg	170	60.	1
2,4-Dimethylphenol	ND		ug/kg	180	55.	1
2-Nitrophenol	ND		ug/kg	400	58.	1
4-Nitrophenol	ND		ug/kg	260	60.	1
2,4-Dinitrophenol	ND		ug/kg	890	250	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	68.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	55.	1
2-Methylphenol	ND		ug/kg	180	60.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	61.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	60.	1
Carbazole	ND		ug/kg	180	40.	1
Benzaldehyde	ND		ug/kg	240	75.	1
Caprolactam	ND		ug/kg	180	51.	1
Atrazine	ND		ug/kg	150	42.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	32.	1

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS**

Lab ID: L1518182-11

Date Collected: 07/30/15 15:00

Client ID: TP-16 (.5-5')

Date Received: 08/03/15

Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY

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	70		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	63		30-120
2,4,6-Tribromophenol	79		10-136
4-Terphenyl-d14	48		18-120

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS**

Lab ID: L1518182-13
Client ID: TP-17 (2.5-3.5')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/07/15 00:57
Analyst: MY
Percent Solids: 92%

Date Collected: 07/30/15 16:00
Date Received: 08/03/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/04/15 12:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	37.	1
Hexachlorobenzene	ND		ug/kg	110	33.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	50.	1
2-Chloronaphthalene	ND		ug/kg	180	58.	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	46.	1
Fluoranthene	120		ug/kg	110	33.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	55.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	41.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	63.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	54.	1
Hexachlorobutadiene	ND		ug/kg	180	51.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	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	47.	1
Butyl benzyl phthalate	ND		ug/kg	180	35.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	44.	1
Diethyl phthalate	ND		ug/kg	180	38.	1
Dimethyl phthalate	ND		ug/kg	180	46.	1
Benzo(a)anthracene	66	J	ug/kg	110	35.	1
Benzo(a)pyrene	58	J	ug/kg	140	44.	1
Benzo(b)fluoranthene	75	J	ug/kg	110	36.	1
Benzo(k)fluoranthene	38	J	ug/kg	110	34.	1

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS****Lab ID:** L1518182-13**Date Collected:** 07/30/15 16:00**Client ID:** TP-17 (2.5-3.5')**Date Received:** 08/03/15**Sample Location:** 15 LARIVIERE DR.+20 WILKESON WAY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	69	J	ug/kg	110	35.	1
Acenaphthylene	ND		ug/kg	140	34.	1
Anthracene	ND		ug/kg	110	30.	1
Benzo(ghi)perylene	40	J	ug/kg	140	37.	1
Fluorene	ND		ug/kg	180	51.	1
Phenanthrene	56	J	ug/kg	110	35.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	35.	1
Indeno(1,2,3-cd)pyrene	48	J	ug/kg	140	40.	1
Pyrene	97	J	ug/kg	110	35.	1
Biphenyl	ND		ug/kg	410	59.	1
4-Chloroaniline	ND		ug/kg	180	47.	1
2-Nitroaniline	ND		ug/kg	180	51.	1
3-Nitroaniline	ND		ug/kg	180	50.	1
4-Nitroaniline	ND		ug/kg	180	48.	1
Dibenzofuran	ND		ug/kg	180	60.	1
2-Methylnaphthalene	ND		ug/kg	220	57.	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	52.	1
2-Chlorophenol	ND		ug/kg	180	54.	1
2,4-Dichlorophenol	ND		ug/kg	160	58.	1
2,4-Dimethylphenol	ND		ug/kg	180	54.	1
2-Nitrophenol	ND		ug/kg	390	56.	1
4-Nitrophenol	ND		ug/kg	250	58.	1
2,4-Dinitrophenol	ND		ug/kg	860	240	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	66.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	180	53.	1
2-Methylphenol	ND		ug/kg	180	58.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	59.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	58.	1
Carbazole	ND		ug/kg	180	39.	1
Benzaldehyde	ND		ug/kg	240	72.	1
Caprolactam	ND		ug/kg	180	50.	1
Atrazine	ND		ug/kg	140	41.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	30.	1

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS**

Lab ID: L1518182-13

Date Collected: 07/30/15 16:00

Client ID: TP-17 (2.5-3.5')

Date Received: 08/03/15

Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY

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	66		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	83		10-136
4-Terphenyl-d14	52		18-120

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS**

Lab ID: L1518182-14
Client ID: SB-17 (1-6')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/07/15 01:24
Analyst: MY
Percent Solids: 87%

Date Collected: 07/31/15 15:30
Date Received: 08/03/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/04/15 12:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	52	J	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	670		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	530	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	47.	1
Benzo(a)anthracene	390		ug/kg	110	37.	1
Benzo(a)pyrene	320		ug/kg	150	46.	1
Benzo(b)fluoranthene	420		ug/kg	110	38.	1
Benzo(k)fluoranthene	180		ug/kg	110	36.	1

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS****Lab ID:** L1518182-14**Date Collected:** 07/31/15 15:30**Client ID:** SB-17 (1-6')**Date Received:** 08/03/15**Sample Location:** 15 LARIVIERE DR.+20 WILKESON WAY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	380		ug/kg	110	37.	1
Acenaphthylene	38	J	ug/kg	150	35.	1
Anthracene	140		ug/kg	110	31.	1
Benzo(ghi)perylene	180		ug/kg	150	39.	1
Fluorene	60	J	ug/kg	190	54.	1
Phenanthrene	520		ug/kg	110	36.	1
Dibenzo(a,h)anthracene	61	J	ug/kg	110	36.	1
Indeno(1,2,3-cd)pyrene	210		ug/kg	150	42.	1
Pyrene	530		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	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	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	60.	1
Carbazole	78	J	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: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS****Lab ID:** L1518182-14**Date Collected:** 07/31/15 15:30**Client ID:** SB-17 (1-6')**Date Received:** 08/03/15**Sample Location:** 15 LARIVIERE DR.+20 WILKESON WAY**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	76		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	82		10-136
4-Terphenyl-d14	44		18-120

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS**

Lab ID: L1518182-15
Client ID: SB-18 (1-8.5')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/07/15 01:52
Analyst: MY
Percent Solids: 88%

Date Collected: 07/31/15 16:00
Date Received: 08/03/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/04/15 12:21

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	110		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	530	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	56	J	ug/kg	110	36.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	53	J	ug/kg	110	38.	1
Benzo(k)fluoranthene	ND		ug/kg	110	36.	1

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS****Lab ID:** L1518182-15**Date Collected:** 07/31/15 16:00**Client ID:** SB-18 (1-8.5')**Date Received:** 08/03/15**Sample Location:** 15 LARIVIERE DR.+20 WILKESON WAY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	59	J	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	57	J	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	88	J	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: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS**

Lab ID: L1518182-15

Date Collected: 07/31/15 16:00

Client ID: SB-18 (1-8.5')

Date Received: 08/03/15

Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY

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	71		25-120
Phenol-d6	81		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	63		30-120
2,4,6-Tribromophenol	68		10-136
4-Terphenyl-d14	63		18-120

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS**

Lab ID: L1518182-17
Client ID: SB-19 (1-4')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/07/15 02:19
Analyst: MY
Percent Solids: 86%

Date Collected: 07/31/15 09:30
Date Received: 08/03/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/04/15 12:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	120	J	ug/kg	160	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	52.	1
2,4-Dinitrotoluene	ND		ug/kg	190	42.	1
2,6-Dinitrotoluene	ND		ug/kg	190	50.	1
Fluoranthene	1900		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	59.	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	59.	1
Hexachlorobutadiene	ND		ug/kg	190	55.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	120	1
Hexachloroethane	ND		ug/kg	160	35.	1
Isophorone	ND		ug/kg	170	52.	1
Naphthalene	ND		ug/kg	190	64.	1
Nitrobenzene	ND		ug/kg	170	46.	1
NDPA/DPA	ND		ug/kg	160	41.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	58.	1
Bis(2-ethylhexyl)phthalate	94	J	ug/kg	190	51.	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	48.	1
Diethyl phthalate	ND		ug/kg	190	41.	1
Dimethyl phthalate	ND		ug/kg	190	49.	1
Benzo(a)anthracene	1000		ug/kg	120	38.	1
Benzo(a)pyrene	870		ug/kg	160	47.	1
Benzo(b)fluoranthene	1100		ug/kg	120	39.	1
Benzo(k)fluoranthene	480		ug/kg	120	37.	1

Project Name: 15 LARIVIERE + 20 WILKESON

Lab Number: L1518182

Project Number: 0136-013-002

Report Date: 08/11/15

SAMPLE RESULTS

Lab ID: L1518182-17

Date Collected: 07/31/15 09:30

Client ID: SB-19 (1-4')

Date Received: 08/03/15

Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	1000		ug/kg	120	38.	1
Acenaphthylene	88	J	ug/kg	160	36.	1
Anthracene	390		ug/kg	120	32.	1
Benzo(ghi)perylene	490		ug/kg	160	40.	1
Fluorene	120	J	ug/kg	190	56.	1
Phenanthrene	1300		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	150		ug/kg	120	38.	1
Indeno(1,2,3-cd)pyrene	580		ug/kg	160	43.	1
Pyrene	1500		ug/kg	120	38.	1
Biphenyl	ND		ug/kg	440	64.	1
4-Chloroaniline	ND		ug/kg	190	51.	1
2-Nitroaniline	ND		ug/kg	190	55.	1
3-Nitroaniline	ND		ug/kg	190	53.	1
4-Nitroaniline	ND		ug/kg	190	52.	1
Dibenzofuran	65	J	ug/kg	190	65.	1
2-Methylnaphthalene	ND		ug/kg	230	62.	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	63.	1
2,4-Dimethylphenol	ND		ug/kg	190	58.	1
2-Nitrophenol	ND		ug/kg	420	60.	1
4-Nitrophenol	ND		ug/kg	270	63.	1
2,4-Dinitrophenol	ND		ug/kg	930	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	71.	1
Pentachlorophenol	ND		ug/kg	160	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	64.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	63.	1
Carbazole	170	J	ug/kg	190	42.	1
Benzaldehyde	ND		ug/kg	260	78.	1
Caprolactam	ND		ug/kg	190	53.	1
Atrazine	ND		ug/kg	160	44.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	33.	1

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS**

Lab ID: L1518182-17

Date Collected: 07/31/15 09:30

Client ID: SB-19 (1-4')

Date Received: 08/03/15

Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY

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	81		25-120
Phenol-d6	84		10-120
Nitrobenzene-d5	94		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	87		10-136
4-Terphenyl-d14	45		18-120

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS**

Lab ID: L1518182-18
Client ID: SB-26 (4-8')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/07/15 02:46
Analyst: MY
Percent Solids: 80%

Date Collected: 07/31/15 12:00
Date Received: 08/03/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/04/15 12:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	43.	1
Hexachlorobenzene	ND		ug/kg	120	39.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	58.	1
2-Chloronaphthalene	ND		ug/kg	210	68.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	55.	1
2,4-Dinitrotoluene	ND		ug/kg	210	45.	1
2,6-Dinitrotoluene	ND		ug/kg	210	53.	1
Fluoranthene	260		ug/kg	120	38.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	63.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	48.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	73.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	63.	1
Hexachlorobutadiene	ND		ug/kg	210	59.	1
Hexachlorocyclopentadiene	ND		ug/kg	600	130	1
Hexachloroethane	ND		ug/kg	170	38.	1
Isophorone	ND		ug/kg	190	55.	1
Naphthalene	ND		ug/kg	210	69.	1
Nitrobenzene	ND		ug/kg	190	50.	1
NDPA/DPA	ND		ug/kg	170	44.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	62.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	54.	1
Butyl benzyl phthalate	ND		ug/kg	210	41.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	51.	1
Diethyl phthalate	ND		ug/kg	210	44.	1
Dimethyl phthalate	ND		ug/kg	210	53.	1
Benzo(a)anthracene	190		ug/kg	120	41.	1
Benzo(a)pyrene	160	J	ug/kg	170	51.	1
Benzo(b)fluoranthene	220		ug/kg	120	42.	1
Benzo(k)fluoranthene	97	J	ug/kg	120	40.	1

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS****Lab ID:** L1518182-18**Date Collected:** 07/31/15 12:00**Client ID:** SB-26 (4-8')**Date Received:** 08/03/15**Sample Location:** 15 LARIVIERE DR.+20 WILKESON WAY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	160		ug/kg	120	41.	1
Acenaphthylene	56	J	ug/kg	170	39.	1
Anthracene	61	J	ug/kg	120	35.	1
Benzo(ghi)perylene	110	J	ug/kg	170	43.	1
Fluorene	ND		ug/kg	210	60.	1
Phenanthrene	98	J	ug/kg	120	41.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	40.	1
Indeno(1,2,3-cd)pyrene	120	J	ug/kg	170	46.	1
Pyrene	240		ug/kg	120	40.	1
Biphenyl	ND		ug/kg	470	69.	1
4-Chloroaniline	ND		ug/kg	210	55.	1
2-Nitroaniline	ND		ug/kg	210	59.	1
3-Nitroaniline	ND		ug/kg	210	57.	1
4-Nitroaniline	ND		ug/kg	210	56.	1
Dibenzofuran	ND		ug/kg	210	69.	1
2-Methylnaphthalene	ND		ug/kg	250	66.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	64.	1
Acetophenone	ND		ug/kg	210	64.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
p-Chloro-m-cresol	ND		ug/kg	210	60.	1
2-Chlorophenol	ND		ug/kg	210	63.	1
2,4-Dichlorophenol	ND		ug/kg	190	67.	1
2,4-Dimethylphenol	ND		ug/kg	210	62.	1
2-Nitrophenol	ND		ug/kg	450	65.	1
4-Nitrophenol	ND		ug/kg	290	67.	1
2,4-Dinitrophenol	ND		ug/kg	1000	280	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	76.	1
Pentachlorophenol	ND		ug/kg	170	44.	1
Phenol	ND		ug/kg	210	62.	1
2-Methylphenol	ND		ug/kg	210	67.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	68.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	67.	1
Carbazole	ND		ug/kg	210	45.	1
Benzaldehyde	ND		ug/kg	270	84.	1
Caprolactam	ND		ug/kg	210	57.	1
Atrazine	ND		ug/kg	170	47.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	210	35.	1

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS****Lab ID:** L1518182-18**Date Collected:** 07/31/15 12:00**Client ID:** SB-26 (4-8')**Date Received:** 08/03/15**Sample Location:** 15 LARIVIERE DR.+20 WILKESON WAY**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	73		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	78		10-136
4-Terphenyl-d14	42		18-120

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS**

Lab ID: L1518182-19
Client ID: SB-20 (1-6')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/07/15 03:14
Analyst: MY
Percent Solids: 86%

Date Collected: 07/31/15 10:00
Date Received: 08/03/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/04/15 12:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	530		ug/kg	160	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	52.	1
2,4-Dinitrotoluene	ND		ug/kg	190	42.	1
2,6-Dinitrotoluene	ND		ug/kg	190	50.	1
Fluoranthene	3200		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	59.	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	59.	1
Hexachlorobutadiene	ND		ug/kg	190	55.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	120	1
Hexachloroethane	ND		ug/kg	160	35.	1
Isophorone	ND		ug/kg	170	52.	1
Naphthalene	320		ug/kg	190	64.	1
Nitrobenzene	ND		ug/kg	170	46.	1
NDPA/DPA	ND		ug/kg	160	41.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	58.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	51.	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	48.	1
Diethyl phthalate	ND		ug/kg	190	41.	1
Dimethyl phthalate	ND		ug/kg	190	49.	1
Benzo(a)anthracene	1600		ug/kg	120	38.	1
Benzo(a)pyrene	1400		ug/kg	160	47.	1
Benzo(b)fluoranthene	2000		ug/kg	120	39.	1
Benzo(k)fluoranthene	670		ug/kg	120	37.	1

Project Name: 15 LARIVIERE + 20 WILKESON

Lab Number: L1518182

Project Number: 0136-013-002

Report Date: 08/11/15

SAMPLE RESULTS

Lab ID: L1518182-19

Date Collected: 07/31/15 10:00

Client ID: SB-20 (1-6')

Date Received: 08/03/15

Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	1700		ug/kg	120	38.	1
Acenaphthylene	150	J	ug/kg	160	36.	1
Anthracene	650		ug/kg	120	32.	1
Benzo(ghi)perylene	830		ug/kg	160	40.	1
Fluorene	240		ug/kg	190	56.	1
Phenanthrene	2300		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	250		ug/kg	120	38.	1
Indeno(1,2,3-cd)pyrene	940		ug/kg	160	43.	1
Pyrene	2800		ug/kg	120	38.	1
Biphenyl	ND		ug/kg	440	64.	1
4-Chloroaniline	ND		ug/kg	190	51.	1
2-Nitroaniline	ND		ug/kg	190	55.	1
3-Nitroaniline	ND		ug/kg	190	53.	1
4-Nitroaniline	ND		ug/kg	190	52.	1
Dibenzofuran	190		ug/kg	190	65.	1
2-Methylnaphthalene	270		ug/kg	230	62.	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	63.	1
2,4-Dimethylphenol	ND		ug/kg	190	58.	1
2-Nitrophenol	ND		ug/kg	420	60.	1
4-Nitrophenol	ND		ug/kg	270	63.	1
2,4-Dinitrophenol	ND		ug/kg	930	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	71.	1
Pentachlorophenol	ND		ug/kg	160	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	64.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	63.	1
Carbazole	280		ug/kg	190	42.	1
Benzaldehyde	ND		ug/kg	260	78.	1
Caprolactam	ND		ug/kg	190	53.	1
Atrazine	ND		ug/kg	160	44.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	33.	1

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS****Lab ID:** L1518182-19**Date Collected:** 07/31/15 10:00**Client ID:** SB-20 (1-6')**Date Received:** 08/03/15**Sample Location:** 15 LARIVIERE DR.+20 WILKESON WAY**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	82		25-120
Phenol-d6	88		10-120
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	98		30-120
2,4,6-Tribromophenol	91		10-136
4-Terphenyl-d14	74		18-120

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS**

Lab ID: L1518182-20
Client ID: SB-21 (2-4')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/07/15 03:41
Analyst: MY
Percent Solids: 84%

Date Collected: 07/31/15 10:40
Date Received: 08/03/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/04/15 12:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	690		ug/kg	160	41.	1
Hexachlorobenzene	ND		ug/kg	120	37.	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	43.	1
2,6-Dinitrotoluene	ND		ug/kg	200	50.	1
Fluoranthene	12000	E	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	240	69.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	60.	1
Hexachlorobutadiene	ND		ug/kg	200	56.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	130	1
Hexachloroethane	ND		ug/kg	160	36.	1
Isophorone	ND		ug/kg	180	52.	1
Naphthalene	920		ug/kg	200	66.	1
Nitrobenzene	ND		ug/kg	180	47.	1
NDPA/DPA	ND		ug/kg	160	41.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	59.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	52.	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	42.	1
Dimethyl phthalate	ND		ug/kg	200	50.	1
Benzo(a)anthracene	5900		ug/kg	120	39.	1
Benzo(a)pyrene	4700		ug/kg	160	48.	1
Benzo(b)fluoranthene	6300		ug/kg	120	40.	1
Benzo(k)fluoranthene	2200		ug/kg	120	38.	1

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS****Lab ID:** L1518182-20**Date Collected:** 07/31/15 10:40**Client ID:** SB-21 (2-4')**Date Received:** 08/03/15**Sample Location:** 15 LARIVIERE DR.+20 WILKESON WAY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	5500		ug/kg	120	39.	1
Acenaphthylene	1300		ug/kg	160	37.	1
Anthracene	3100		ug/kg	120	33.	1
Benzo(ghi)perylene	2500		ug/kg	160	41.	1
Fluorene	2200		ug/kg	200	56.	1
Phenanthrene	12000	E	ug/kg	120	39.	1
Dibenzo(a,h)anthracene	800		ug/kg	120	38.	1
Indeno(1,2,3-cd)pyrene	3000		ug/kg	160	44.	1
Pyrene	10000	E	ug/kg	120	38.	1
Biphenyl	190	J	ug/kg	450	65.	1
4-Chloroaniline	ND		ug/kg	200	52.	1
2-Nitroaniline	ND		ug/kg	200	56.	1
3-Nitroaniline	ND		ug/kg	200	54.	1
4-Nitroaniline	ND		ug/kg	200	53.	1
Dibenzofuran	1300		ug/kg	200	66.	1
2-Methylnaphthalene	600		ug/kg	240	63.	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	60.	1
2,4-Dichlorophenol	ND		ug/kg	180	64.	1
2,4-Dimethylphenol	ND		ug/kg	200	59.	1
2-Nitrophenol	ND		ug/kg	430	62.	1
4-Nitrophenol	ND		ug/kg	280	64.	1
2,4-Dinitrophenol	ND		ug/kg	950	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	64.	1
3-Methylphenol/4-Methylphenol	190	J	ug/kg	280	65.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	64.	1
Carbazole	1300		ug/kg	200	42.	1
Benzaldehyde	ND		ug/kg	260	80.	1
Caprolactam	ND		ug/kg	200	54.	1
Atrazine	ND		ug/kg	160	45.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	34.	1

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS****Lab ID:** L1518182-20**Date Collected:** 07/31/15 10:40**Client ID:** SB-21 (2-4')**Date Received:** 08/03/15**Sample Location:** 15 LARIVIERE DR.+20 WILKESON WAY**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	67		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	60		30-120
2,4,6-Tribromophenol	79		10-136
4-Terphenyl-d14	49		18-120

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS**

Lab ID: L1518182-20 D
Client ID: SB-21 (2-4')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/07/15 14:53
Analyst: MY
Percent Solids: 84%

Date Collected: 07/31/15 10:40
Date Received: 08/03/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/04/15 12:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Fluoranthene	15000		ug/kg	1200	360	10
Phenanthrene	13000		ug/kg	1200	390	10
Pyrene	12000		ug/kg	1200	380	10

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS**

Lab ID: L1518182-22
Client ID: SB-21 (18-20')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/06/15 16:00
Analyst: MY
Percent Solids: 63%

Date Collected: 07/31/15 11:05
Date Received: 08/03/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/05/15 16:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	400		ug/kg	210	54.	1
Hexachlorobenzene	ND		ug/kg	160	49.	1
Bis(2-chloroethyl)ether	ND		ug/kg	240	73.	1
2-Chloronaphthalene	ND		ug/kg	260	85.	1
3,3'-Dichlorobenzidine	ND		ug/kg	260	70.	1
2,4-Dinitrotoluene	ND		ug/kg	260	56.	1
2,6-Dinitrotoluene	ND		ug/kg	260	67.	1
Fluoranthene	15000	E	ug/kg	160	48.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	260	80.	1
4-Bromophenyl phenyl ether	ND		ug/kg	260	60.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	310	92.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	280	79.	1
Hexachlorobutadiene	ND		ug/kg	260	74.	1
Hexachlorocyclopentadiene	ND		ug/kg	750	170	1
Hexachloroethane	ND		ug/kg	210	48.	1
Isophorone	ND		ug/kg	240	70.	1
Naphthalene	1100		ug/kg	260	87.	1
Nitrobenzene	ND		ug/kg	240	62.	1
NDPA/DPA	ND		ug/kg	210	55.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	260	78.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	260	68.	1
Butyl benzyl phthalate	ND		ug/kg	260	51.	1
Di-n-butylphthalate	ND		ug/kg	260	50.	1
Di-n-octylphthalate	ND		ug/kg	260	64.	1
Diethyl phthalate	ND		ug/kg	260	55.	1
Dimethyl phthalate	ND		ug/kg	260	66.	1
Benzo(a)anthracene	7100		ug/kg	160	51.	1
Benzo(a)pyrene	5800		ug/kg	210	64.	1
Benzo(b)fluoranthene	5100		ug/kg	160	53.	1
Benzo(k)fluoranthene	4400		ug/kg	160	50.	1

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS****Lab ID:** L1518182-22**Date Collected:** 07/31/15 11:05**Client ID:** SB-21 (18-20')**Date Received:** 08/03/15**Sample Location:** 15 LARIVIERE DR.+20 WILKESON WAY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	6500		ug/kg	160	51.	1
Acenaphthylene	1400		ug/kg	210	49.	1
Anthracene	3100		ug/kg	160	44.	1
Benzo(ghi)perylene	2700		ug/kg	210	54.	1
Fluorene	1000		ug/kg	260	75.	1
Phenanthrene	9500		ug/kg	160	51.	1
Dibenzo(a,h)anthracene	1200		ug/kg	160	51.	1
Indeno(1,2,3-cd)pyrene	2800		ug/kg	210	58.	1
Pyrene	11000	E	ug/kg	160	51.	1
Biphenyl	ND		ug/kg	600	86.	1
4-Chloroaniline	ND		ug/kg	260	69.	1
2-Nitroaniline	ND		ug/kg	260	74.	1
3-Nitroaniline	ND		ug/kg	260	72.	1
4-Nitroaniline	ND		ug/kg	260	71.	1
Dibenzofuran	340		ug/kg	260	87.	1
2-Methylnaphthalene	380		ug/kg	310	84.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	260	81.	1
Acetophenone	ND		ug/kg	260	81.	1
2,4,6-Trichlorophenol	ND		ug/kg	160	49.	1
p-Chloro-m-cresol	ND		ug/kg	260	76.	1
2-Chlorophenol	ND		ug/kg	260	79.	1
2,4-Dichlorophenol	ND		ug/kg	240	85.	1
2,4-Dimethylphenol	ND		ug/kg	260	78.	1
2-Nitrophenol	ND		ug/kg	560	82.	1
4-Nitrophenol	ND		ug/kg	370	85.	1
2,4-Dinitrophenol	ND		ug/kg	1200	360	1
4,6-Dinitro-o-cresol	ND		ug/kg	680	96.	1
Pentachlorophenol	ND		ug/kg	210	56.	1
Phenol	ND		ug/kg	260	77.	1
2-Methylphenol	ND		ug/kg	260	84.	1
3-Methylphenol/4-Methylphenol	1000		ug/kg	380	86.	1
2,4,5-Trichlorophenol	ND		ug/kg	260	85.	1
Carbazole	370		ug/kg	260	56.	1
Benzaldehyde	ND		ug/kg	340	100	1
Caprolactam	ND		ug/kg	260	72.	1
Atrazine	ND		ug/kg	210	59.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	260	44.	1

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS****Lab ID:** L1518182-22**Date Collected:** 07/31/15 11:05**Client ID:** SB-21 (18-20')**Date Received:** 08/03/15**Sample Location:** 15 LARIVIERE DR.+20 WILKESON WAY**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	85		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	91		10-136
4-Terphenyl-d14	76		18-120

Project Name: 15 LARIVIERE + 20 WILKESON**Project Number:** 0136-013-002**Lab Number:** L1518182**Report Date:** 08/11/15**SAMPLE RESULTS**

Lab ID: L1518182-22 D
Client ID: SB-21 (18-20')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/07/15 14:01
Analyst: MY
Percent Solids: 63%

Date Collected: 07/31/15 11:05
Date Received: 08/03/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/05/15 16:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Fluoranthene	15000		ug/kg	780	240	5
Pyrene	12000		ug/kg	780	250	5

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS**

Lab ID: L1518182-24
Client ID: SB-22 (3-9')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/06/15 16:26
Analyst: MY
Percent Solids: 85%

Date Collected: 07/31/15 14:00
Date Received: 08/03/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/05/15 16:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	70	J	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	760		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	140	J	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	110	J	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	370		ug/kg	120	38.	1
Benzo(a)pyrene	350		ug/kg	160	48.	1
Benzo(b)fluoranthene	300		ug/kg	120	40.	1
Benzo(k)fluoranthene	310		ug/kg	120	37.	1

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS****Lab ID:** L1518182-24**Date Collected:** 07/31/15 14:00**Client ID:** SB-22 (3-9')**Date Received:** 08/03/15**Sample Location:** 15 LARIVIERE DR.+20 WILKESON WAY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	370		ug/kg	120	38.	1
Acenaphthylene	ND		ug/kg	160	36.	1
Anthracene	140		ug/kg	120	32.	1
Benzo(ghi)perylene	180		ug/kg	160	41.	1
Fluorene	73	J	ug/kg	200	56.	1
Phenanthrene	540		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	73	J	ug/kg	120	38.	1
Indeno(1,2,3-cd)pyrene	180		ug/kg	160	43.	1
Pyrene	620		ug/kg	120	38.	1
Biphenyl	ND		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	73	J	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	ND		ug/kg	280	64.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	63.	1
Carbazole	79	J	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: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS****Lab ID:** L1518182-24**Date Collected:** 07/31/15 14:00**Client ID:** SB-22 (3-9')**Date Received:** 08/03/15**Sample Location:** 15 LARIVIERE DR.+20 WILKESON WAY**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	98		25-120
Phenol-d6	103		10-120
Nitrobenzene-d5	104		23-120
2-Fluorobiphenyl	83		30-120
2,4,6-Tribromophenol	108		10-136
4-Terphenyl-d14	71		18-120

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS**

Lab ID: L1518182-25
Client ID: SB-23 (4-8')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/06/15 16:51
Analyst: MY
Percent Solids: 80%

Date Collected: 07/31/15 13:00
Date Received: 08/03/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/05/15 16:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	12000	E	ug/kg	160	42.	1
Hexachlorobenzene	ND		ug/kg	120	38.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	57.	1
2-Chloronaphthalene	ND		ug/kg	200	66.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	44.	1
2,6-Dinitrotoluene	ND		ug/kg	200	52.	1
Fluoranthene	84000	E	ug/kg	120	37.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	62.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	47.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	72.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	62.	1
Hexachlorobutadiene	ND		ug/kg	200	57.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	130	1
Hexachloroethane	ND		ug/kg	160	37.	1
Isophorone	ND		ug/kg	180	54.	1
Naphthalene	15000	E	ug/kg	200	68.	1
Nitrobenzene	ND		ug/kg	180	48.	1
NDPA/DPA	ND		ug/kg	160	43.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	61.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	53.	1
Butyl benzyl phthalate	ND		ug/kg	200	40.	1
Di-n-butylphthalate	ND		ug/kg	200	39.	1
Di-n-octylphthalate	ND		ug/kg	200	50.	1
Diethyl phthalate	ND		ug/kg	200	43.	1
Dimethyl phthalate	ND		ug/kg	200	52.	1
Benzo(a)anthracene	59000	E	ug/kg	120	40.	1
Benzo(a)pyrene	43000	E	ug/kg	160	50.	1
Benzo(b)fluoranthene	73000	E	ug/kg	120	41.	1
Benzo(k)fluoranthene	8700	E	ug/kg	120	39.	1

Project Name: 15 LARIVIERE + 20 WILKESON

Lab Number: L1518182

Project Number: 0136-013-002

Report Date: 08/11/15

SAMPLE RESULTS

Lab ID: L1518182-25

Date Collected: 07/31/15 13:00

Client ID: SB-23 (4-8')

Date Received: 08/03/15

Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	50000	E	ug/kg	120	40.	1
Acenaphthylene	8200	E	ug/kg	160	38.	1
Anthracene	30000	E	ug/kg	120	34.	1
Benzo(ghi)perylene	26000	E	ug/kg	160	42.	1
Fluorene	19000	E	ug/kg	200	58.	1
Phenanthrene	86000	E	ug/kg	120	40.	1
Dibenzo(a,h)anthracene	13000	E	ug/kg	120	39.	1
Indeno(1,2,3-cd)pyrene	26000	E	ug/kg	160	45.	1
Pyrene	72000	E	ug/kg	120	40.	1
Biphenyl	1700		ug/kg	460	67.	1
4-Chloroaniline	ND		ug/kg	200	54.	1
2-Nitroaniline	ND		ug/kg	200	57.	1
3-Nitroaniline	ND		ug/kg	200	56.	1
4-Nitroaniline	ND		ug/kg	200	55.	1
Dibenzofuran	12000	E	ug/kg	200	68.	1
2-Methylnaphthalene	6800		ug/kg	240	65.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	63.	1
Acetophenone	ND		ug/kg	200	63.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	59.	1
2-Chlorophenol	ND		ug/kg	200	62.	1
2,4-Dichlorophenol	ND		ug/kg	180	66.	1
2,4-Dimethylphenol	780		ug/kg	200	61.	1
2-Nitrophenol	ND		ug/kg	440	64.	1
4-Nitrophenol	ND		ug/kg	280	66.	1
2,4-Dinitrophenol	ND		ug/kg	980	280	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	74.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	720		ug/kg	200	60.	1
2-Methylphenol	480		ug/kg	200	66.	1
3-Methylphenol/4-Methylphenol	1400		ug/kg	290	67.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	66.	1
Carbazole	18000	E	ug/kg	200	44.	1
Benzaldehyde	ND		ug/kg	270	82.	1
Caprolactam	ND		ug/kg	200	56.	1
Atrazine	ND		ug/kg	160	46.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	35.	1

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS**

Lab ID: L1518182-25

Date Collected: 07/31/15 13:00

Client ID: SB-23 (4-8')

Date Received: 08/03/15

Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY

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	86		25-120
Phenol-d6	91		10-120
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	58		30-120
2,4,6-Tribromophenol	99		10-136
4-Terphenyl-d14	45		18-120

Project Name: 15 LARIVIERE + 20 WILKESON
Project Number: 0136-013-002

Lab Number: L1518182
Report Date: 08/11/15

SAMPLE RESULTS

Lab ID: L1518182-25 D
Client ID: SB-23 (4-8')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/07/15 14:27
Analyst: MY
Percent Solids: 80%

Date Collected: 07/31/15 13:00
Date Received: 08/03/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/05/15 16:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	12000		ug/kg	8100	2100	50
Fluoranthene	140000		ug/kg	6100	1900	50
Naphthalene	16000		ug/kg	10000	3400	50
Benzo(a)anthracene	59000		ug/kg	6100	2000	50
Benzo(a)pyrene	49000		ug/kg	8100	2500	50
Benzo(b)fluoranthene	64000		ug/kg	6100	2000	50
Benzo(k)fluoranthene	28000		ug/kg	6100	1900	50
Chrysene	62000		ug/kg	6100	2000	50
Acenaphthylene	9400		ug/kg	8100	1900	50
Anthracene	35000		ug/kg	6100	1700	50
Benzo(ghi)perylene	25000		ug/kg	8100	2100	50
Fluorene	21000		ug/kg	10000	2900	50
Phenanthrene	140000		ug/kg	6100	2000	50
Dibenzo(a,h)anthracene	7200		ug/kg	6100	2000	50
Indeno(1,2,3-cd)pyrene	28000		ug/kg	8100	2300	50
Pyrene	110000		ug/kg	6100	2000	50
Dibenzofuran	13000		ug/kg	10000	3400	50
Carbazole	18000		ug/kg	10000	2200	50

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS**

Lab ID: L1518182-26
Client ID: SB-24 (3.5-8')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/06/15 12:14
Analyst: MY
Percent Solids: 78%

Date Collected: 07/31/15 13:30
Date Received: 08/03/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/05/15 16:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	44.	1
Hexachlorobenzene	ND		ug/kg	130	40.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	60.	1
2-Chloronaphthalene	ND		ug/kg	210	69.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	56.	1
2,4-Dinitrotoluene	ND		ug/kg	210	46.	1
2,6-Dinitrotoluene	ND		ug/kg	210	54.	1
Fluoranthene	270		ug/kg	130	39.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	64.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	49.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	75.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	64.	1
Hexachlorobutadiene	ND		ug/kg	210	60.	1
Hexachlorocyclopentadiene	ND		ug/kg	610	140	1
Hexachloroethane	ND		ug/kg	170	39.	1
Isophorone	ND		ug/kg	190	56.	1
Naphthalene	ND		ug/kg	210	70.	1
Nitrobenzene	ND		ug/kg	190	50.	1
NDPA/DPA	ND		ug/kg	170	44.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	63.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	56.	1
Butyl benzyl phthalate	ND		ug/kg	210	41.	1
Di-n-butylphthalate	ND		ug/kg	210	41.	1
Di-n-octylphthalate	ND		ug/kg	210	52.	1
Diethyl phthalate	ND		ug/kg	210	45.	1
Dimethyl phthalate	ND		ug/kg	210	54.	1
Benzo(a)anthracene	190		ug/kg	130	42.	1
Benzo(a)pyrene	170		ug/kg	170	52.	1
Benzo(b)fluoranthene	180		ug/kg	130	43.	1
Benzo(k)fluoranthene	170		ug/kg	130	40.	1

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS****Lab ID:** L1518182-26**Date Collected:** 07/31/15 13:30**Client ID:** SB-24 (3.5-8')**Date Received:** 08/03/15**Sample Location:** 15 LARIVIERE DR.+20 WILKESON WAY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	260		ug/kg	130	42.	1
Acenaphthylene	ND		ug/kg	170	40.	1
Anthracene	ND		ug/kg	130	35.	1
Benzo(ghi)perylene	120	J	ug/kg	170	44.	1
Fluorene	ND		ug/kg	210	61.	1
Phenanthrene	260		ug/kg	130	42.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	41.	1
Indeno(1,2,3-cd)pyrene	110	J	ug/kg	170	47.	1
Pyrene	260		ug/kg	130	41.	1
Biphenyl	ND		ug/kg	480	70.	1
4-Chloroaniline	ND		ug/kg	210	56.	1
2-Nitroaniline	ND		ug/kg	210	60.	1
3-Nitroaniline	ND		ug/kg	210	59.	1
4-Nitroaniline	ND		ug/kg	210	57.	1
Dibenzofuran	ND		ug/kg	210	71.	1
2-Methylnaphthalene	93	J	ug/kg	250	68.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	66.	1
Acetophenone	ND		ug/kg	210	66.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	40.	1
p-Chloro-m-cresol	ND		ug/kg	210	62.	1
2-Chlorophenol	ND		ug/kg	210	64.	1
2,4-Dichlorophenol	ND		ug/kg	190	69.	1
2,4-Dimethylphenol	ND		ug/kg	210	63.	1
2-Nitrophenol	ND		ug/kg	460	66.	1
4-Nitrophenol	ND		ug/kg	300	69.	1
2,4-Dinitrophenol	ND		ug/kg	1000	290	1
4,6-Dinitro-o-cresol	ND		ug/kg	550	78.	1
Pentachlorophenol	ND		ug/kg	170	45.	1
Phenol	ND		ug/kg	210	63.	1
2-Methylphenol	ND		ug/kg	210	68.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	70.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	69.	1
Carbazole	ND		ug/kg	210	46.	1
Benzaldehyde	ND		ug/kg	280	86.	1
Caprolactam	ND		ug/kg	210	59.	1
Atrazine	ND		ug/kg	170	48.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	210	36.	1

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS****Lab ID:** L1518182-26**Date Collected:** 07/31/15 13:30**Client ID:** SB-24 (3.5-8')**Date Received:** 08/03/15**Sample Location:** 15 LARIVIERE DR.+20 WILKESON WAY**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	89		25-120
Phenol-d6	90		10-120
Nitrobenzene-d5	97		23-120
2-Fluorobiphenyl	83		30-120
2,4,6-Tribromophenol	103		10-136
4-Terphenyl-d14	66		18-120

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS**

Lab ID: L1518182-27
Client ID: SB-25 (2-5')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/06/15 17:16
Analyst: MY
Percent Solids: 86%

Date Collected: 07/31/15 14:45
Date Received: 08/03/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/05/15 16:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	160		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	4500		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	74	J	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	2400		ug/kg	110	37.	1
Benzo(a)pyrene	2200		ug/kg	150	46.	1
Benzo(b)fluoranthene	2100		ug/kg	110	38.	1
Benzo(k)fluoranthene	1800		ug/kg	110	36.	1

Project Name: 15 LARIVIERE + 20 WILKESON

Lab Number: L1518182

Project Number: 0136-013-002

Report Date: 08/11/15

SAMPLE RESULTS

Lab ID: L1518182-27

Date Collected: 07/31/15 14:45

Client ID: SB-25 (2-5')

Date Received: 08/03/15

Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	2300		ug/kg	110	37.	1
Acenaphthylene	390		ug/kg	150	35.	1
Anthracene	820		ug/kg	110	31.	1
Benzo(ghi)perylene	2100		ug/kg	150	39.	1
Fluorene	190		ug/kg	190	54.	1
Phenanthrene	2400		ug/kg	110	37.	1
Dibenzo(a,h)anthracene	530		ug/kg	110	36.	1
Indeno(1,2,3-cd)pyrene	1400		ug/kg	150	42.	1
Pyrene	3700		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	89	J	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	330		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: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS****Lab ID:** L1518182-27**Date Collected:** 07/31/15 14:45**Client ID:** SB-25 (2-5')**Date Received:** 08/03/15**Sample Location:** 15 LARIVIERE DR.+20 WILKESON WAY**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	77		25-120
Phenol-d6	81		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	63		30-120
2,4,6-Tribromophenol	84		10-136
4-Terphenyl-d14	42		18-120

Project Name: 15 LARIVIERE + 20 WILKESON

Lab Number: L1518182

Project Number: 0136-013-002

Report Date: 08/11/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 08/06/15 18:08
 Analyst: MY

Extraction Method: EPA 3546
 Extraction Date: 08/04/15 12:20

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03,05,07,09,11,13-15,17-20 Batch: WG808847-1					
Acenaphthene	ND		ug/kg	130	34.
Benzidine	ND		ug/kg	550	130
n-Nitrosodimethylamine	ND		ug/kg	330	54.
1,2,4-Trichlorobenzene	ND		ug/kg	170	54.
Hexachlorobenzene	ND		ug/kg	100	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	47.
2-Chloronaphthalene	ND		ug/kg	170	54.
1,2-Dichlorobenzene	ND		ug/kg	170	55.
1,3-Dichlorobenzene	ND		ug/kg	170	52.
1,4-Dichlorobenzene	ND		ug/kg	170	50.
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.
2,4-Dinitrotoluene	ND		ug/kg	170	36.
2,6-Dinitrotoluene	ND		ug/kg	170	42.
Fluoranthene	ND		ug/kg	100	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	170	51.
4-Bromophenyl phenyl ether	ND		ug/kg	170	38.
Azobenzene	ND		ug/kg	170	44.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	170	47.
Hexachlorocyclopentadiene	ND		ug/kg	480	110
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	170	55.
Nitrobenzene	ND		ug/kg	150	40.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.
n-Nitrosodi-n-propylamine	ND		ug/kg	170	50.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	44.
Butyl benzyl phthalate	ND		ug/kg	170	32.

Project Name: 15 LARIVIERE + 20 WILKESON

Lab Number: L1518182

Project Number: 0136-013-002

Report Date: 08/11/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 08/06/15 18:08
 Analyst: MY

Extraction Method: EPA 3546
 Extraction Date: 08/04/15 12:20

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03,05,07,09,11,13-15,17-20 Batch: WG808847-1					
Di-n-butylphthalate	ND		ug/kg	170	32.
Di-n-octylphthalate	ND		ug/kg	170	41.
Diethyl phthalate	ND		ug/kg	170	35.
Dimethyl phthalate	ND		ug/kg	170	42.
Benzo(a)anthracene	ND		ug/kg	100	32.
Benzo(a)pyrene	ND		ug/kg	130	41.
Benzo(b)fluoranthene	ND		ug/kg	100	34.
Benzo(k)fluoranthene	ND		ug/kg	100	32.
Chrysene	ND		ug/kg	100	33.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	100	28.
Benzo(ghi)perylene	ND		ug/kg	130	35.
Fluorene	ND		ug/kg	170	48.
Phenanthrene	ND		ug/kg	100	32.
Dibenzo(a,h)anthracene	ND		ug/kg	100	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	100	32.
Biphenyl	ND		ug/kg	380	55.
Aniline	ND		ug/kg	200	34.
4-Chloroaniline	ND		ug/kg	170	44.
2-Nitroaniline	ND		ug/kg	170	47.
3-Nitroaniline	ND		ug/kg	170	46.
4-Nitroaniline	ND		ug/kg	170	45.
Dibenzofuran	ND		ug/kg	170	56.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	52.
Acetophenone	ND		ug/kg	170	52.
2,4,6-Trichlorophenol	ND		ug/kg	100	31.
P-Chloro-M-Cresol	ND		ug/kg	170	48.

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8270D
Analytical Date: 08/06/15 18:08
Analyst: MY

Extraction Method: EPA 3546
Extraction Date: 08/04/15 12:20

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03,05,07,09,11,13-15,17-20 Batch: WG808847-1					
2-Chlorophenol	ND		ug/kg	170	50.
2,4-Dichlorophenol	ND		ug/kg	150	54.
2,4-Dimethylphenol	ND		ug/kg	170	50.
2-Nitrophenol	ND		ug/kg	360	52.
4-Nitrophenol	ND		ug/kg	230	54.
2,4-Dinitrophenol	ND		ug/kg	800	230
4,6-Dinitro-o-cresol	ND		ug/kg	430	61.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	170	49.
2-Methylphenol	ND		ug/kg	170	54.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	170	54.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	170	51.
Carbazole	ND		ug/kg	170	36.
Benzaldehyde	ND		ug/kg	220	67.
Caprolactam	ND		ug/kg	170	46.
Atrazine	ND		ug/kg	130	38.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	170	28.
Pyridine	ND		ug/kg	660	60.
Parathion, ethyl	ND		ug/kg	170	66.
1-Methylnaphthalene	ND		ug/kg	170	50.

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 08/06/15 18:08
 Analyst: MY

Extraction Method: EPA 3546
 Extraction Date: 08/04/15 12:20

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03,05,07,09,11,13-15,17-20					
Batch: WG808847-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	77		10-136
4-Terphenyl-d14	75		18-120

Project Name: 15 LARIVIERE + 20 WILKESON

Lab Number: L1518182

Project Number: 0136-013-002

Report Date: 08/11/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 08/06/15 10:59
 Analyst: MY

Extraction Method: EPA 3546
 Extraction Date: 08/05/15 16:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 22,24-27 Batch: WG809351-1					
Acenaphthene	ND		ug/kg	130	34.
Benzidine	ND		ug/kg	540	130
n-Nitrosodimethylamine	ND		ug/kg	330	53.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	98	30.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	54.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
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	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Azobenzene	ND		ug/kg	160	44.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	470	100
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.

Project Name: 15 LARIVIERE + 20 WILKESON

Lab Number: L1518182

Project Number: 0136-013-002

Report Date: 08/11/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 08/06/15 10:59
 Analyst: MY

Extraction Method: EPA 3546
 Extraction Date: 08/05/15 16:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 22,24-27 Batch: WG809351-1					
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	35.
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	98	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	33.
Benzo(k)fluoranthene	ND		ug/kg	98	31.
Chrysene	ND		ug/kg	98	32.
Acenaphthylene	ND		ug/kg	130	31.
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.
Aniline	ND		ug/kg	200	33.
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	55.
2-Methylnaphthalene	ND		ug/kg	200	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
P-Chloro-M-Cresol	ND		ug/kg	160	48.

Project Name: 15 LARIVIERE + 20 WILKESON

Lab Number: L1518182

Project Number: 0136-013-002

Report Date: 08/11/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 08/06/15 10:59
 Analyst: MY

Extraction Method: EPA 3546
 Extraction Date: 08/05/15 16:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 22,24-27 Batch: WG809351-1					
2-Chlorophenol	ND		ug/kg	160	50.
2,4-Dichlorophenol	ND		ug/kg	150	53.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	350	51.
4-Nitrophenol	ND		ug/kg	230	53.
2,4-Dinitrophenol	ND		ug/kg	790	220
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	53.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.
Benzaldehyde	ND		ug/kg	220	66.
Caprolactam	ND		ug/kg	160	45.
Atrazine	ND		ug/kg	130	37.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.
Pyridine	ND		ug/kg	660	59.
Parathion, ethyl	ND		ug/kg	160	65.
1-Methylnaphthalene	ND		ug/kg	160	49.

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8270D
Analytical Date: 08/06/15 10:59
Analyst: MY

Extraction Method: EPA 3546
Extraction Date: 08/05/15 16:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 22,24-27 Batch: WG809351-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	92		25-120
Phenol-d6	99		10-120
Nitrobenzene-d5	91		23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	103		10-136
4-Terphenyl-d14	97		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 15 LARIVIERE + 20 WILKESON

Project Number: 0136-013-002

Lab Number: L1518182

Report Date: 08/11/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03,05,07,09,11,13-15,17-20 Batch: WG808847-2 WG808847-3								
Acenaphthene	76		82		31-137	8		50
Benzidine	53		65		10-66	20		50
n-Nitrosodimethylamine	71		66		22-100	7		50
1,2,4-Trichlorobenzene	71		79		38-107	11		50
Hexachlorobenzene	76		93		40-140	20		50
Bis(2-chloroethyl)ether	75		72		40-140	4		50
2-Chloronaphthalene	84		75		40-140	11		50
1,2-Dichlorobenzene	72		72		40-140	0		50
1,3-Dichlorobenzene	71		73		40-140	3		50
1,4-Dichlorobenzene	68		75		28-104	10		50
3,3'-Dichlorobenzidine	70		81		40-140	15		50
2,4-Dinitrotoluene	84		98	Q	28-89	15		50
2,6-Dinitrotoluene	88		82		40-140	7		50
Fluoranthene	73		90		40-140	21		50
4-Chlorophenyl phenyl ether	75		90		40-140	18		50
4-Bromophenyl phenyl ether	77		92		40-140	18		50
Azobenzene	85		100		40-140	16		50
Bis(2-chloroisopropyl)ether	64		74		40-140	14		50
Bis(2-chloroethoxy)methane	75		79		40-117	5		50
Hexachlorobutadiene	75		78		40-140	4		50
Hexachlorocyclopentadiene	53		51		40-140	4		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 15 LARIVIERE + 20 WILKESON

Project Number: 0136-013-002

Lab Number: L1518182

Report Date: 08/11/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03,05,07,09,11,13-15,17-20 Batch: WG808847-2 WG808847-3								
Hexachloroethane	73		73		40-140	0		50
Isophorone	82		82		40-140	0		50
Naphthalene	74		82		40-140	10		50
Nitrobenzene	78		88		40-140	12		50
NitrosoDiPhenylAmine(NDPA)/DPA	80		95		36-157	17		50
n-Nitrosodi-n-propylamine	81		82		32-121	1		50
Bis(2-Ethylhexyl)phthalate	84		93		40-140	10		50
Butyl benzyl phthalate	71		92		40-140	26		50
Di-n-butylphthalate	75		94		40-140	22		50
Di-n-octylphthalate	93		98		40-140	5		50
Diethyl phthalate	82		96		40-140	16		50
Dimethyl phthalate	81		86		40-140	6		50
Benzo(a)anthracene	82		90		40-140	9		50
Benzo(a)pyrene	81		88		40-140	8		50
Benzo(b)fluoranthene	79		96		40-140	19		50
Benzo(k)fluoranthene	79		96		40-140	19		50
Chrysene	80		89		40-140	11		50
Acenaphthylene	86		78		40-140	10		50
Anthracene	80		92		40-140	14		50
Benzo(ghi)perylene	77		92		40-140	18		50
Fluorene	78		93		40-140	18		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 15 LARIVIERE + 20 WILKESON

Project Number: 0136-013-002

Lab Number: L1518182

Report Date: 08/11/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03,05,07,09,11,13-15,17-20 Batch: WG808847-2 WG808847-3								
Phenanthrene	78		89		40-140	13		50
Dibenzo(a,h)anthracene	86		98		40-140	13		50
Indeno(1,2,3-cd)Pyrene	88		97		40-140	10		50
Pyrene	74		91		35-142	21		50
Biphenyl	85		89		54-104	5		50
Aniline	57		58		40-140	2		50
4-Chloroaniline	86		89		40-140	3		50
2-Nitroaniline	92		78		47-134	16		50
3-Nitroaniline	74		76		26-129	3		50
4-Nitroaniline	82		100		41-125	20		50
Dibenzofuran	79		89		40-140	12		50
2-Methylnaphthalene	80		77		40-140	4		50
1,2,4,5-Tetrachlorobenzene	83		87		40-117	5		50
Acetophenone	66		70		14-144	6		50
2,4,6-Trichlorophenol	87		78		30-130	11		50
P-Chloro-M-Cresol	94		86		26-103	9		50
2-Chlorophenol	78		80		25-102	3		50
2,4-Dichlorophenol	77		89		30-130	14		50
2,4-Dimethylphenol	86		88		30-130	2		50
2-Nitrophenol	78		85		30-130	9		50
4-Nitrophenol	85		106		11-114	22		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 15 LARIVIERE + 20 WILKESON

Project Number: 0136-013-002

Lab Number: L1518182

Report Date: 08/11/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03,05,07,09,11,13-15,17-20 Batch: WG808847-2 WG808847-3								
2,4-Dinitrophenol	72		81		4-130	12		50
4,6-Dinitro-o-cresol	88		107		10-130	19		50
Pentachlorophenol	71		80		17-109	12		50
Phenol	85		84		26-90	1		50
2-Methylphenol	81		89		30-130.	9		50
3-Methylphenol/4-Methylphenol	83		92		30-130	10		50
2,4,5-Trichlorophenol	87		77		30-130	12		50
Benzoic Acid	63		76	Q	10-66	19		50
Benzyl Alcohol	93		93		40-140	0		50
Carbazole	82		91		54-128	10		50
Benzaldehyde	63		60		40-140	5		50
Caprolactam	85		75		15-130	13		50
Atrazine	85		97		40-140	13		50
2,3,4,6-Tetrachlorophenol	80		91		40-140	13		50
Pyridine	59		54		10-93	9		50
Parathion, ethyl	92		98		40-140	6		50
1-Methylnaphthalene	84		84		26-130	0		50

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15

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

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03,05,07,09,11,13-15,17-20 Batch: WG808847-2 WG808847-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	77		73		25-120
Phenol-d6	81		80		10-120
Nitrobenzene-d5	81		84		23-120
2-Fluorobiphenyl	77		71		30-120
2,4,6-Tribromophenol	71		85		10-136
4-Terphenyl-d14	61		81		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 15 LARIVIERE + 20 WILKESON

Project Number: 0136-013-002

Lab Number: L1518182

Report Date: 08/11/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 22,24-27 Batch: WG809351-2 WG809351-3								
Acenaphthene	82		72		31-137	13		50
Benzidine	66		57		10-66	15		50
n-Nitrosodimethylamine	75		68		22-100	10		50
1,2,4-Trichlorobenzene	84		75		38-107	11		50
Hexachlorobenzene	83		75		40-140	10		50
Bis(2-chloroethyl)ether	81		72		40-140	12		50
2-Chloronaphthalene	83		74		40-140	11		50
1,2-Dichlorobenzene	80		70		40-140	13		50
1,3-Dichlorobenzene	79		68		40-140	15		50
1,4-Dichlorobenzene	78		68		28-104	14		50
3,3'-Dichlorobenzidine	63		59		40-140	7		50
2,4-Dinitrotoluene	91	Q	81		28-89	12		50
2,6-Dinitrotoluene	88		79		40-140	11		50
Fluoranthene	84		75		40-140	11		50
4-Chlorophenyl phenyl ether	83		74		40-140	11		50
4-Bromophenyl phenyl ether	84		76		40-140	10		50
Azobenzene	86		72		40-140	18		50
Bis(2-chloroisopropyl)ether	80		71		40-140	12		50
Bis(2-chloroethoxy)methane	85		75		40-117	13		50
Hexachlorobutadiene	80		71		40-140	12		50
Hexachlorocyclopentadiene	78		70		40-140	11		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 15 LARIVIERE + 20 WILKESON

Project Number: 0136-013-002

Lab Number: L1518182

Report Date: 08/11/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 22,24-27 Batch: WG809351-2 WG809351-3								
Hexachloroethane	80		70		40-140	13		50
Isophorone	87		76		40-140	13		50
Naphthalene	80		72		40-140	11		50
Nitrobenzene	84		74		40-140	13		50
NitrosoDiPhenylAmine(NDPA)/DPA	84		75		36-157	11		50
n-Nitrosodi-n-propylamine	86		75		32-121	14		50
Bis(2-Ethylhexyl)phthalate	85		77		40-140	10		50
Butyl benzyl phthalate	89		80		40-140	11		50
Di-n-butylphthalate	88		78		40-140	12		50
Di-n-octylphthalate	86		78		40-140	10		50
Diethyl phthalate	85		75		40-140	13		50
Dimethyl phthalate	84		76		40-140	10		50
Benzo(a)anthracene	84		76		40-140	10		50
Benzo(a)pyrene	85		76		40-140	11		50
Benzo(b)fluoranthene	82		73		40-140	12		50
Benzo(k)fluoranthene	82		75		40-140	9		50
Chrysene	81		72		40-140	12		50
Acenaphthylene	84		75		40-140	11		50
Anthracene	84		75		40-140	11		50
Benzo(ghi)perylene	80		72		40-140	11		50
Fluorene	83		75		40-140	10		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 15 LARIVIERE + 20 WILKESON

Project Number: 0136-013-002

Lab Number: L1518182

Report Date: 08/11/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 22,24-27 Batch: WG809351-2 WG809351-3								
Phenanthrene	82		73		40-140	12		50
Dibenzo(a,h)anthracene	82		73		40-140	12		50
Indeno(1,2,3-cd)Pyrene	80		73		40-140	9		50
Pyrene	82		73		35-142	12		50
Biphenyl	79		71		54-104	11		50
Aniline	71		62		40-140	14		50
4-Chloroaniline	83		73		40-140	13		50
2-Nitroaniline	83		76		47-134	9		50
3-Nitroaniline	72		65		26-129	10		50
4-Nitroaniline	83		74		41-125	11		50
Dibenzofuran	81		73		40-140	10		50
2-Methylnaphthalene	85		74		40-140	14		50
1,2,4,5-Tetrachlorobenzene	78		69		40-117	12		50
Acetophenone	81		71		14-144	13		50
2,4,6-Trichlorophenol	90		80		30-130	12		50
P-Chloro-M-Cresol	86		78		26-103	10		50
2-Chlorophenol	86		76		25-102	12		50
2,4-Dichlorophenol	89		80		30-130	11		50
2,4-Dimethylphenol	87		75		30-130	15		50
2-Nitrophenol	84		75		30-130	11		50
4-Nitrophenol	81		73		11-114	10		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 15 LARIVIERE + 20 WILKESON

Project Number: 0136-013-002

Lab Number: L1518182

Report Date: 08/11/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 22,24-27 Batch: WG809351-2 WG809351-3								
2,4-Dinitrophenol	66		62		4-130	6		50
4,6-Dinitro-o-cresol	78		71		10-130	9		50
Pentachlorophenol	76		68		17-109	11		50
Phenol	83		72		26-90	14		50
2-Methylphenol	84		73		30-130	14		50
3-Methylphenol/4-Methylphenol	84		74		30-130	13		50
2,4,5-Trichlorophenol	85		71		30-130	18		50
Benzoic Acid	56		53		10-66	6		50
Benzyl Alcohol	84		74		40-140	13		50
Carbazole	86		76		54-128	12		50
Benzaldehyde	88		80		40-140	10		50
Caprolactam	90		79		15-130	13		50
Atrazine	87		78		40-140	11		50
2,3,4,6-Tetrachlorophenol	84		76		40-140	10		50
Pyridine	63		56		10-93	12		50
Parathion, ethyl	90		81		40-140	11		50
1-Methylnaphthalene	87		77		26-130	12		50

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15

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

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 22,24-27 Batch: WG809351-2 WG809351-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	92		80		25-120
Phenol-d6	95		82		10-120
Nitrobenzene-d5	94		80		23-120
2-Fluorobiphenyl	87		77		30-120
2,4,6-Tribromophenol	99		86		10-136
4-Terphenyl-d14	88		78		18-120

PCBS

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS**

Lab ID: L1518182-01 D
Client ID: TP-12 (6-7')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/08/15 03:55
Analyst: JT
Percent Solids: 81%

Date Collected: 07/30/15 11:30
Date Received: 08/03/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/05/15 03:22
Cleanup Method: EPA 3665A
Cleanup Date: 08/05/15
Cleanup Method: EPA 3660B
Cleanup Date: 08/05/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	202	16.0	5	A
Aroclor 1221	ND		ug/kg	202	18.6	5	A
Aroclor 1232	ND		ug/kg	202	23.7	5	A
Aroclor 1242	ND		ug/kg	202	24.7	5	A
Aroclor 1248	2700		ug/kg	202	17.0	5	B
Aroclor 1254	982		ug/kg	202	16.6	5	A
Aroclor 1260	2750		ug/kg	202	15.4	5	B
Aroclor 1262	ND		ug/kg	202	10.0	5	A
Aroclor 1268	ND		ug/kg	202	29.3	5	A
PCBs, Total	6430		ug/kg	202	10.0	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	87		30-150	B

Project Name: 15 LARIVIERE + 20 WILKESON
Project Number: 0136-013-002

Lab Number: L1518182
Report Date: 08/11/15

SAMPLE RESULTS

Lab ID: L1518182-03
Client ID: TP-13 (1.5-5')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/06/15 06:02
Analyst: JT
Percent Solids: 92%

Date Collected: 07/30/15 10:30
Date Received: 08/03/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/05/15 03:22
Cleanup Method: EPA 3665A
Cleanup Date: 08/05/15
Cleanup Method: EPA 3660B
Cleanup Date: 08/05/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.2	2.78	1	A
Aroclor 1221	ND		ug/kg	35.2	3.24	1	A
Aroclor 1232	ND		ug/kg	35.2	4.12	1	A
Aroclor 1242	ND		ug/kg	35.2	4.31	1	A
Aroclor 1248	ND		ug/kg	35.2	2.97	1	A
Aroclor 1254	84.0		ug/kg	35.2	2.89	1	B
Aroclor 1260	283		ug/kg	35.2	2.68	1	B
Aroclor 1262	ND		ug/kg	35.2	1.74	1	A
Aroclor 1268	ND		ug/kg	35.2	5.10	1	A
PCBs, Total	367		ug/kg	35.2	1.74	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS**

Lab ID: L1518182-05
Client ID: TP-14 (4-7')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/06/15 06:14
Analyst: JT
Percent Solids: 76%

Date Collected: 07/30/15 13:00
Date Received: 08/03/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/05/15 03:22
Cleanup Method: EPA 3665A
Cleanup Date: 08/05/15
Cleanup Method: EPA 3660B
Cleanup Date: 08/05/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	42.5	3.36	1	A
Aroclor 1221	ND		ug/kg	42.5	3.92	1	A
Aroclor 1232	ND		ug/kg	42.5	4.98	1	A
Aroclor 1242	ND		ug/kg	42.5	5.20	1	A
Aroclor 1248	ND		ug/kg	42.5	3.59	1	A
Aroclor 1254	ND		ug/kg	42.5	3.49	1	A
Aroclor 1260	ND		ug/kg	42.5	3.24	1	A
Aroclor 1262	ND		ug/kg	42.5	2.11	1	A
Aroclor 1268	ND		ug/kg	42.5	6.16	1	A
PCBs, Total	ND		ug/kg	42.5	2.11	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: 15 LARIVIERE + 20 WILKESON
Project Number: 0136-013-002

Lab Number: L1518182
Report Date: 08/11/15

SAMPLE RESULTS

Lab ID: L1518182-07
Client ID: TP-15 (.5-5')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/06/15 06:27
Analyst: JT
Percent Solids: 86%

Date Collected: 07/30/15 13:50
Date Received: 08/03/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/05/15 03:22
Cleanup Method: EPA 3665A
Cleanup Date: 08/05/15
Cleanup Method: EPA 3660B
Cleanup Date: 08/05/15

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	3.46	1	A
Aroclor 1232	ND		ug/kg	37.6	4.40	1	A
Aroclor 1242	25.2	J	ug/kg	37.6	4.60	1	B
Aroclor 1248	ND		ug/kg	37.6	3.17	1	A
Aroclor 1254	24.2	J	ug/kg	37.6	3.09	1	B
Aroclor 1260	ND		ug/kg	37.6	2.86	1	A
Aroclor 1262	ND		ug/kg	37.6	1.86	1	A
Aroclor 1268	ND		ug/kg	37.6	5.44	1	A
PCBs, Total	49.4	J	ug/kg	37.6	1.86	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	89		30-150	B

Project Name: 15 LARIVIERE + 20 WILKESON
Project Number: 0136-013-002

Lab Number: L1518182
Report Date: 08/11/15

SAMPLE RESULTS

Lab ID: L1518182-09
Client ID: TP-15 (5-11')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/06/15 06:39
Analyst: JT
Percent Solids: 94%

Date Collected: 07/30/15 14:00
Date Received: 08/03/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/05/15 03:22
Cleanup Method: EPA 3665A
Cleanup Date: 08/05/15
Cleanup Method: EPA 3660B
Cleanup Date: 08/05/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.0	2.77	1	A
Aroclor 1221	ND		ug/kg	35.0	3.23	1	A
Aroclor 1232	ND		ug/kg	35.0	4.11	1	A
Aroclor 1242	ND		ug/kg	35.0	4.29	1	A
Aroclor 1248	ND		ug/kg	35.0	2.96	1	A
Aroclor 1254	19.2	J	ug/kg	35.0	2.88	1	B
Aroclor 1260	21.6	J	ug/kg	35.0	2.67	1	B
Aroclor 1262	ND		ug/kg	35.0	1.74	1	A
Aroclor 1268	ND		ug/kg	35.0	5.08	1	A
PCBs, Total	40.8	J	ug/kg	35.0	1.74	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	88		30-150	B

Project Name: 15 LARIVIERE + 20 WILKESON
Project Number: 0136-013-002

Lab Number: L1518182
Report Date: 08/11/15

SAMPLE RESULTS

Lab ID: L1518182-11
Client ID: TP-16 (.5-5')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/06/15 06:52
Analyst: JT
Percent Solids: 88%

Date Collected: 07/30/15 15:00
Date Received: 08/03/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/05/15 03:22
Cleanup Method: EPA 3665A
Cleanup Date: 08/05/15
Cleanup Method: EPA 3660B
Cleanup Date: 08/05/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.4	2.95	1	A
Aroclor 1221	ND		ug/kg	37.4	3.45	1	A
Aroclor 1232	ND		ug/kg	37.4	4.38	1	A
Aroclor 1242	17.8	J	ug/kg	37.4	4.58	1	B
Aroclor 1248	ND		ug/kg	37.4	3.15	1	A
Aroclor 1254	8.18	J	ug/kg	37.4	3.07	1	A
Aroclor 1260	ND		ug/kg	37.4	2.85	1	A
Aroclor 1262	ND		ug/kg	37.4	1.85	1	A
Aroclor 1268	ND		ug/kg	37.4	5.42	1	A
PCBs, Total	26.0	J	ug/kg	37.4	1.85	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	97		30-150	B

Project Name: 15 LARIVIERE + 20 WILKESON
Project Number: 0136-013-002

Lab Number: L1518182
Report Date: 08/11/15

SAMPLE RESULTS

Lab ID: L1518182-13
Client ID: TP-17 (2.5-3.5')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/06/15 07:04
Analyst: JT
Percent Solids: 92%

Date Collected: 07/30/15 16:00
Date Received: 08/03/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/05/15 03:22
Cleanup Method: EPA 3665A
Cleanup Date: 08/05/15
Cleanup Method: EPA 3660B
Cleanup Date: 08/05/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.1	2.77	1	A
Aroclor 1221	ND		ug/kg	35.1	3.24	1	A
Aroclor 1232	ND		ug/kg	35.1	4.11	1	A
Aroclor 1242	ND		ug/kg	35.1	4.30	1	A
Aroclor 1248	ND		ug/kg	35.1	2.96	1	A
Aroclor 1254	6.92	J	ug/kg	35.1	2.88	1	B
Aroclor 1260	13.5	J	ug/kg	35.1	2.67	1	B
Aroclor 1262	ND		ug/kg	35.1	1.74	1	A
Aroclor 1268	ND		ug/kg	35.1	5.09	1	A
PCBs, Total	20.4	J	ug/kg	35.1	1.74	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	99		30-150	B

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS**

Lab ID: L1518182-14
Client ID: SB-17 (1-6')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/06/15 07:16
Analyst: JT
Percent Solids: 87%

Date Collected: 07/31/15 15:30
Date Received: 08/03/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/05/15 03:22
Cleanup Method: EPA 3665A
Cleanup Date: 08/05/15
Cleanup Method: EPA 3660B
Cleanup Date: 08/05/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.3	2.94	1	A
Aroclor 1221	ND		ug/kg	37.3	3.44	1	A
Aroclor 1232	ND		ug/kg	37.3	4.37	1	A
Aroclor 1242	ND		ug/kg	37.3	4.56	1	A
Aroclor 1248	188		ug/kg	37.3	3.15	1	B
Aroclor 1254	112		ug/kg	37.3	3.06	1	B
Aroclor 1260	34.1	J	ug/kg	37.3	2.84	1	B
Aroclor 1262	ND		ug/kg	37.3	1.85	1	A
Aroclor 1268	ND		ug/kg	37.3	5.41	1	A
PCBs, Total	334	J	ug/kg	37.3	1.85	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	87		30-150	B

Project Name: 15 LARIVIERE + 20 WILKESON
Project Number: 0136-013-002

Lab Number: L1518182
Report Date: 08/11/15

SAMPLE RESULTS

Lab ID: L1518182-15
Client ID: SB-18 (1-8.5')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/06/15 07:29
Analyst: JT
Percent Solids: 88%

Date Collected: 07/31/15 16:00
Date Received: 08/03/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/05/15 03:22
Cleanup Method: EPA 3665A
Cleanup Date: 08/05/15
Cleanup Method: EPA 3660B
Cleanup Date: 08/05/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.6	2.89	1	A
Aroclor 1221	ND		ug/kg	36.6	3.38	1	A
Aroclor 1232	ND		ug/kg	36.6	4.29	1	A
Aroclor 1242	ND		ug/kg	36.6	4.48	1	A
Aroclor 1248	114		ug/kg	36.6	3.09	1	B
Aroclor 1254	54.8		ug/kg	36.6	3.01	1	B
Aroclor 1260	35.2	J	ug/kg	36.6	2.79	1	B
Aroclor 1262	ND		ug/kg	36.6	1.82	1	A
Aroclor 1268	ND		ug/kg	36.6	5.31	1	A
PCBs, Total	204	J	ug/kg	36.6	1.82	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	96		30-150	B

Project Name: 15 LARIVIERE + 20 WILKESON
Project Number: 0136-013-002

Lab Number: L1518182
Report Date: 08/11/15

SAMPLE RESULTS

Lab ID: L1518182-18
Client ID: SB-26 (4-8')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/06/15 07:41
Analyst: JT
Percent Solids: 80%

Date Collected: 07/31/15 12:00
Date Received: 08/03/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/05/15 03:22
Cleanup Method: EPA 3665A
Cleanup Date: 08/05/15
Cleanup Method: EPA 3660B
Cleanup Date: 08/05/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	40.5	3.20	1	A
Aroclor 1221	ND		ug/kg	40.5	3.73	1	A
Aroclor 1232	ND		ug/kg	40.5	4.75	1	A
Aroclor 1242	ND		ug/kg	40.5	4.96	1	A
Aroclor 1248	ND		ug/kg	40.5	3.42	1	A
Aroclor 1254	14.2	J	ug/kg	40.5	3.33	1	B
Aroclor 1260	ND		ug/kg	40.5	3.08	1	A
Aroclor 1262	ND		ug/kg	40.5	2.01	1	A
Aroclor 1268	ND		ug/kg	40.5	5.87	1	A
PCBs, Total	14.2	J	ug/kg	40.5	2.01	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	101		30-150	B

Project Name: 15 LARIVIERE + 20 WILKESON
Project Number: 0136-013-002

Lab Number: L1518182
Report Date: 08/11/15

SAMPLE RESULTS

Lab ID: L1518182-20
Client ID: SB-21 (2-4')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/06/15 07:54
Analyst: JT
Percent Solids: 84%

Date Collected: 07/31/15 10:40
Date Received: 08/03/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/05/15 03:22
Cleanup Method: EPA 3665A
Cleanup Date: 08/05/15
Cleanup Method: EPA 3660B
Cleanup Date: 08/05/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.4	3.03	1	A
Aroclor 1221	ND		ug/kg	38.4	3.54	1	A
Aroclor 1232	ND		ug/kg	38.4	4.50	1	A
Aroclor 1242	ND		ug/kg	38.4	4.70	1	A
Aroclor 1248	ND		ug/kg	38.4	3.24	1	A
Aroclor 1254	39.3		ug/kg	38.4	3.16	1	B
Aroclor 1260	30.0	J	ug/kg	38.4	2.92	1	B
Aroclor 1262	ND		ug/kg	38.4	1.90	1	A
Aroclor 1268	ND		ug/kg	38.4	5.57	1	A
PCBs, Total	69.3	J	ug/kg	38.4	1.90	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	100		30-150	B

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS**

Lab ID: L1518182-22
Client ID: SB-21 (18-20')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/06/15 08:06
Analyst: JT
Percent Solids: 63%

Date Collected: 07/31/15 11:05
Date Received: 08/03/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/05/15 03:22
Cleanup Method: EPA 3665A
Cleanup Date: 08/05/15
Cleanup Method: EPA 3660B
Cleanup Date: 08/05/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	52.7	4.16	1	A
Aroclor 1221	ND		ug/kg	52.7	4.86	1	A
Aroclor 1232	ND		ug/kg	52.7	6.18	1	A
Aroclor 1242	ND		ug/kg	52.7	6.45	1	A
Aroclor 1248	ND		ug/kg	52.7	4.45	1	A
Aroclor 1254	ND		ug/kg	52.7	4.33	1	A
Aroclor 1260	ND		ug/kg	52.7	4.02	1	A
Aroclor 1262	ND		ug/kg	52.7	2.61	1	A
Aroclor 1268	ND		ug/kg	52.7	7.64	1	A
PCBs, Total	ND		ug/kg	52.7	2.61	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	90		30-150	B

Project Name: 15 LARIVIERE + 20 WILKESON
Project Number: 0136-013-002

Lab Number: L1518182
Report Date: 08/11/15

SAMPLE RESULTS

Lab ID: L1518182-27
Client ID: SB-25 (2-5')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/06/15 08:18
Analyst: JT
Percent Solids: 86%

Date Collected: 07/31/15 14:45
Date Received: 08/03/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/05/15 03:22
Cleanup Method: EPA 3665A
Cleanup Date: 08/05/15
Cleanup Method: EPA 3660B
Cleanup Date: 08/05/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.3	2.95	1	A
Aroclor 1221	ND		ug/kg	37.3	3.44	1	A
Aroclor 1232	ND		ug/kg	37.3	4.37	1	A
Aroclor 1242	ND		ug/kg	37.3	4.57	1	A
Aroclor 1248	ND		ug/kg	37.3	3.15	1	A
Aroclor 1254	15.6	J	ug/kg	37.3	3.07	1	B
Aroclor 1260	14.6	J	ug/kg	37.3	2.84	1	B
Aroclor 1262	ND		ug/kg	37.3	1.85	1	A
Aroclor 1268	ND		ug/kg	37.3	5.41	1	A
PCBs, Total	30.2	J	ug/kg	37.3	1.85	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**Method Blank Analysis**
Batch Quality ControlAnalytical Method: 1,8082A
Analytical Date: 08/06/15 08:31
Analyst: JTExtraction Method: EPA 3546
Extraction Date: 08/05/15 03:22
Cleanup Method: EPA 3665A
Cleanup Date: 08/05/15
Cleanup Method: EPA 3660B
Cleanup Date: 08/05/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01,03,05,07,09,11,13-15,18,20,22,27 Batch: WG809081-1						
Aroclor 1016	ND		ug/kg	31.6	2.49	A
Aroclor 1221	ND		ug/kg	31.6	2.91	A
Aroclor 1232	ND		ug/kg	31.6	3.70	A
Aroclor 1242	ND		ug/kg	31.6	3.86	A
Aroclor 1248	ND		ug/kg	31.6	2.66	A
Aroclor 1254	ND		ug/kg	31.6	2.59	A
Aroclor 1260	ND		ug/kg	31.6	2.40	A
Aroclor 1262	ND		ug/kg	31.6	1.56	A
Aroclor 1268	ND		ug/kg	31.6	4.58	A
PCBs, Total	ND		ug/kg	31.6	1.56	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	81		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 15 LARIVIERE + 20 WILKESON

Project Number: 0136-013-002

Lab Number: L1518182

Report Date: 08/11/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01,03,05,07,09,11,13-15,18,20,22,27 Batch: WG809081-2 WG809081-3									
Aroclor 1016	58		80		40-140	32		50	A
Aroclor 1260	43		61		40-140	35		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		78		30-150	A
Decachlorobiphenyl	42		60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		73		30-150	B
Decachlorobiphenyl	64		85		30-150	B

PESTICIDES

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS**

Lab ID: L1518182-01
Client ID: TP-12 (6-7')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/09/15 00:24
Analyst: SS
Percent Solids: 81%

Date Collected: 07/30/15 11:30
Date Received: 08/03/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/04/15 10:30
Cleanup Method: EPA 3620B
Cleanup Date: 08/05/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.94	0.380	1	A
Lindane	ND		ug/kg	0.809	0.362	1	A
Alpha-BHC	ND		ug/kg	0.809	0.230	1	A
Beta-BHC	ND		ug/kg	1.94	0.736	1	A
Heptachlor	ND		ug/kg	0.970	0.435	1	A
Aldrin	ND		ug/kg	1.94	0.683	1	A
Heptachlor epoxide	ND		ug/kg	3.64	1.09	1	A
Endrin	ND		ug/kg	0.809	0.332	1	A
Endrin aldehyde	ND		ug/kg	2.43	0.849	1	A
Endrin ketone	ND		ug/kg	1.94	0.500	1	A
Dieldrin	ND		ug/kg	1.21	0.606	1	A
4,4'-DDE	ND		ug/kg	1.94	0.449	1	A
4,4'-DDD	ND		ug/kg	1.94	0.692	1	A
4,4'-DDT	95.7	PI	ug/kg	3.64	1.56	1	A
Endosulfan I	ND		ug/kg	1.94	0.458	1	A
Endosulfan II	ND		ug/kg	1.94	0.649	1	A
Endosulfan sulfate	ND		ug/kg	0.809	0.385	1	A
Methoxychlor	ND		ug/kg	3.64	1.13	1	A
Toxaphene	ND		ug/kg	36.4	10.2	1	A
cis-Chlordane	ND		ug/kg	2.43	0.676	1	A
trans-Chlordane	ND		ug/kg	2.43	0.640	1	A
Chlordane	ND		ug/kg	15.8	6.43	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		30-150	B
Decachlorobiphenyl	97		30-150	B
2,4,5,6-Tetrachloro-m-xylene	111		30-150	A
Decachlorobiphenyl	85		30-150	A

Project Name: 15 LARIVIERE + 20 WILKESON
Project Number: 0136-013-002

Lab Number: L1518182
Report Date: 08/11/15

SAMPLE RESULTS

Lab ID: L1518182-01
Client ID: TP-12 (6-7')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/07/15 15:26
Analyst: SS
Percent Solids: 81%
Methylation Date: 08/07/15 03:36

Date Collected: 07/30/15 11:30
Date Received: 08/03/15
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 08/06/15 01:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	201	12.7	1	A
2,4,5-T	ND		ug/kg	201	12.3	1	A
2,4,5-TP (Silvex)	ND		ug/kg	201	11.7	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	71		30-150	B
DCAA	77		30-150	A

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS**

Lab ID: L1518182-03
Client ID: TP-13 (1.5-5')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/09/15 00:37
Analyst: SS
Percent Solids: 92%

Date Collected: 07/30/15 10:30
Date Received: 08/03/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/04/15 10:30
Cleanup Method: EPA 3620B
Cleanup Date: 08/05/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.68	0.330	1	A
Lindane	ND		ug/kg	0.701	0.314	1	A
Alpha-BHC	ND		ug/kg	0.701	0.199	1	A
Beta-BHC	ND		ug/kg	1.68	0.638	1	A
Heptachlor	ND		ug/kg	0.842	0.377	1	A
Aldrin	ND		ug/kg	1.68	0.593	1	A
Heptachlor epoxide	ND		ug/kg	3.16	0.947	1	A
Endrin	3.60		ug/kg	0.701	0.288	1	B
Endrin aldehyde	ND		ug/kg	2.10	0.736	1	A
Endrin ketone	ND		ug/kg	1.68	0.433	1	A
Dieldrin	ND		ug/kg	1.05	0.526	1	A
4,4'-DDE	4.86		ug/kg	1.68	0.389	1	A
4,4'-DDD	ND		ug/kg	1.68	0.600	1	A
4,4'-DDT	10.2	PI	ug/kg	3.16	1.35	1	A
Endosulfan I	ND		ug/kg	1.68	0.398	1	A
Endosulfan II	ND		ug/kg	1.68	0.562	1	A
Endosulfan sulfate	ND		ug/kg	0.701	0.334	1	A
Methoxychlor	ND		ug/kg	3.16	0.982	1	A
Toxaphene	ND		ug/kg	31.6	8.84	1	A
cis-Chlordane	ND		ug/kg	2.10	0.586	1	A
trans-Chlordane	ND		ug/kg	2.10	0.556	1	A
Chlordane	ND		ug/kg	13.7	5.58	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	82		30-150	B
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	64		30-150	A

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS**

Lab ID: L1518182-03
Client ID: TP-13 (1.5-5')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/07/15 15:46
Analyst: SS
Percent Solids: 92%
Methylation Date: 08/07/15 03:36

Date Collected: 07/30/15 10:30
Date Received: 08/03/15
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 08/06/15 01:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	178	11.2	1	A
2,4,5-T	ND		ug/kg	178	10.9	1	A
2,4,5-TP (Silvex)	ND		ug/kg	178	10.4	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	68		30-150	B
DCAA	72		30-150	A

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS**

Lab ID: L1518182-05
Client ID: TP-14 (4-7')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/09/15 00:50
Analyst: SS
Percent Solids: 76%

Date Collected: 07/30/15 13:00
Date Received: 08/03/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/04/15 10:30
Cleanup Method: EPA 3620B
Cleanup Date: 08/05/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.03	0.397	1	A
Lindane	ND		ug/kg	0.846	0.378	1	A
Alpha-BHC	ND		ug/kg	0.846	0.240	1	A
Beta-BHC	ND		ug/kg	2.03	0.769	1	A
Heptachlor	0.986	J	ug/kg	1.01	0.455	1	A
Aldrin	ND		ug/kg	2.03	0.714	1	A
Heptachlor epoxide	ND		ug/kg	3.80	1.14	1	A
Endrin	ND		ug/kg	0.846	0.347	1	A
Endrin aldehyde	ND		ug/kg	2.54	0.888	1	A
Endrin ketone	ND		ug/kg	2.03	0.522	1	A
Dieldrin	ND		ug/kg	1.27	0.634	1	A
4,4'-DDE	ND		ug/kg	2.03	0.469	1	A
4,4'-DDD	ND		ug/kg	2.03	0.724	1	A
4,4'-DDT	ND		ug/kg	3.80	1.63	1	A
Endosulfan I	ND		ug/kg	2.03	0.479	1	A
Endosulfan II	ND		ug/kg	2.03	0.678	1	A
Endosulfan sulfate	ND		ug/kg	0.846	0.402	1	A
Methoxychlor	ND		ug/kg	3.80	1.18	1	A
Toxaphene	ND		ug/kg	38.0	10.6	1	A
cis-Chlordane	1.96	J	ug/kg	2.54	0.707	1	A
trans-Chlordane	1.64	J	ug/kg	2.54	0.670	1	B
Chlordane	19.3		ug/kg	16.5	6.72	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	70		30-150	B
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	68		30-150	A

Project Name: 15 LARIVIERE + 20 WILKESON
Project Number: 0136-013-002

Lab Number: L1518182
Report Date: 08/11/15

SAMPLE RESULTS

Lab ID: L1518182-05
Client ID: TP-14 (4-7')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/07/15 16:06
Analyst: SS
Percent Solids: 76%
Methylation Date: 08/07/15 03:36

Date Collected: 07/30/15 13:00
Date Received: 08/03/15
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 08/06/15 01:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	216	13.6	1	A
2,4,5-T	ND		ug/kg	216	13.2	1	A
2,4,5-TP (Silvex)	ND		ug/kg	216	12.6	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	61		30-150	B
DCAA	61		30-150	A

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS**

Lab ID: L1518182-07
Client ID: TP-15 (.5-5')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/09/15 01:03
Analyst: SS
Percent Solids: 86%

Date Collected: 07/30/15 13:50
Date Received: 08/03/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/04/15 10:30
Cleanup Method: EPA 3620B
Cleanup Date: 08/05/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.84	0.360	1	A
Lindane	ND		ug/kg	0.767	0.343	1	A
Alpha-BHC	ND		ug/kg	0.767	0.218	1	A
Beta-BHC	ND		ug/kg	1.84	0.698	1	A
Heptachlor	ND		ug/kg	0.920	0.413	1	A
Aldrin	ND		ug/kg	1.84	0.648	1	A
Heptachlor epoxide	ND		ug/kg	3.45	1.04	1	A
Endrin	ND		ug/kg	0.767	0.314	1	A
Endrin aldehyde	ND		ug/kg	2.30	0.805	1	A
Endrin ketone	ND		ug/kg	1.84	0.474	1	A
Dieldrin	ND		ug/kg	1.15	0.575	1	A
4,4'-DDE	ND		ug/kg	1.84	0.426	1	A
4,4'-DDD	ND		ug/kg	1.84	0.656	1	A
4,4'-DDT	ND		ug/kg	3.45	1.48	1	A
Endosulfan I	ND		ug/kg	1.84	0.435	1	A
Endosulfan II	ND		ug/kg	1.84	0.615	1	A
Endosulfan sulfate	ND		ug/kg	0.767	0.365	1	A
Methoxychlor	ND		ug/kg	3.45	1.07	1	A
Toxaphene	ND		ug/kg	34.5	9.66	1	A
cis-Chlordane	ND		ug/kg	2.30	0.641	1	A
trans-Chlordane	ND		ug/kg	2.30	0.607	1	A
Chlordane	ND		ug/kg	15.0	6.10	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	77		30-150	B
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	69		30-150	A

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS**

Lab ID: L1518182-07
Client ID: TP-15 (.5-5')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/07/15 16:45
Analyst: SS
Percent Solids: 86%
Methylation Date: 08/07/15 03:36

Date Collected: 07/30/15 13:50
Date Received: 08/03/15
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 08/06/15 01:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	191	12.0	1	A
2,4,5-T	ND		ug/kg	191	11.7	1	A
2,4,5-TP (Silvex)	ND		ug/kg	191	11.1	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	71		30-150	B
DCAA	71		30-150	A

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS**

Lab ID: L1518182-09
Client ID: TP-15 (5-11')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/09/15 01:16
Analyst: SS
Percent Solids: 94%

Date Collected: 07/30/15 14:00
Date Received: 08/03/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/04/15 10:30
Cleanup Method: EPA 3620B
Cleanup Date: 08/05/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.65	0.324	1	A
Lindane	ND		ug/kg	0.688	0.308	1	A
Alpha-BHC	ND		ug/kg	0.688	0.196	1	A
Beta-BHC	ND		ug/kg	1.65	0.626	1	A
Heptachlor	0.874		ug/kg	0.826	0.370	1	A
Aldrin	ND		ug/kg	1.65	0.582	1	A
Heptachlor epoxide	ND		ug/kg	3.10	0.929	1	A
Endrin	ND		ug/kg	0.688	0.282	1	A
Endrin aldehyde	ND		ug/kg	2.06	0.723	1	A
Endrin ketone	ND		ug/kg	1.65	0.425	1	A
Dieldrin	ND		ug/kg	1.03	0.516	1	A
4,4'-DDE	ND		ug/kg	1.65	0.382	1	A
4,4'-DDD	ND		ug/kg	1.65	0.589	1	A
4,4'-DDT	2.68	J	ug/kg	3.10	1.33	1	B
Endosulfan I	ND		ug/kg	1.65	0.390	1	A
Endosulfan II	ND		ug/kg	1.65	0.552	1	A
Endosulfan sulfate	ND		ug/kg	0.688	0.328	1	A
Methoxychlor	ND		ug/kg	3.10	0.964	1	A
Toxaphene	ND		ug/kg	31.0	8.67	1	A
cis-Chlordane	3.42		ug/kg	2.06	0.575	1	A
trans-Chlordane	2.30	P	ug/kg	2.06	0.545	1	B
Chlordane	15.5		ug/kg	13.4	5.47	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	76		30-150	B
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	77		30-150	A

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS**

Lab ID: L1518182-09
Client ID: TP-15 (5-11')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/07/15 17:05
Analyst: SS
Percent Solids: 94%
Methylation Date: 08/07/15 03:36

Date Collected: 07/30/15 14:00
Date Received: 08/03/15
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 08/06/15 01:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	176	11.1	1	A
2,4,5-T	ND		ug/kg	176	10.8	1	A
2,4,5-TP (Silvex)	ND		ug/kg	176	10.3	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	75		30-150	B
DCAA	87		30-150	A

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS**

Lab ID: L1518182-11
Client ID: TP-16 (.5-5')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/09/15 01:29
Analyst: SS
Percent Solids: 88%

Date Collected: 07/30/15 15:00
Date Received: 08/03/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/04/15 10:31
Cleanup Method: EPA 3620B
Cleanup Date: 08/05/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	1.62	J	ug/kg	1.81	0.354	1	B
Lindane	ND		ug/kg	0.754	0.337	1	A
Alpha-BHC	ND		ug/kg	0.754	0.214	1	A
Beta-BHC	ND		ug/kg	1.81	0.686	1	A
Heptachlor	ND		ug/kg	0.905	0.406	1	A
Aldrin	ND		ug/kg	1.81	0.637	1	A
Heptachlor epoxide	ND		ug/kg	3.39	1.02	1	A
Endrin	ND		ug/kg	0.754	0.309	1	A
Endrin aldehyde	ND		ug/kg	2.26	0.792	1	A
Endrin ketone	ND		ug/kg	1.81	0.466	1	A
Dieldrin	ND		ug/kg	1.13	0.566	1	A
4,4'-DDE	ND		ug/kg	1.81	0.418	1	A
4,4'-DDD	ND		ug/kg	1.81	0.645	1	A
4,4'-DDT	ND	PI	ug/kg	3.39	1.46	1	A
Endosulfan I	ND		ug/kg	1.81	0.428	1	A
Endosulfan II	ND		ug/kg	1.81	0.605	1	A
Endosulfan sulfate	ND		ug/kg	0.754	0.359	1	A
Methoxychlor	ND		ug/kg	3.39	1.06	1	A
Toxaphene	ND		ug/kg	33.9	9.50	1	A
cis-Chlordane	ND		ug/kg	2.26	0.630	1	A
trans-Chlordane	ND		ug/kg	2.26	0.597	1	A
Chlordane	ND		ug/kg	14.7	5.99	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	92		30-150	B
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	85		30-150	A

Project Name: 15 LARIVIERE + 20 WILKESON
Project Number: 0136-013-002

Lab Number: L1518182
Report Date: 08/11/15

SAMPLE RESULTS

Lab ID: L1518182-11
Client ID: TP-16 (.5-5')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/07/15 17:24
Analyst: SS
Percent Solids: 88%
Methylation Date: 08/07/15 03:36

Date Collected: 07/30/15 15:00
Date Received: 08/03/15
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 08/06/15 01:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	186	11.7	1	A
2,4,5-T	ND		ug/kg	186	11.4	1	A
2,4,5-TP (Silvex)	ND		ug/kg	186	10.8	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	67		30-150	B
DCAA	76		30-150	A

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS**

Lab ID: L1518182-14
Client ID: SB-17 (1-6')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/09/15 01:42
Analyst: SS
Percent Solids: 87%

Date Collected: 07/31/15 15:30
Date Received: 08/03/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/04/15 10:31
Cleanup Method: EPA 3620B
Cleanup Date: 08/05/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.80	0.353	1	A
Lindane	ND		ug/kg	0.751	0.336	1	A
Alpha-BHC	ND		ug/kg	0.751	0.213	1	A
Beta-BHC	ND		ug/kg	1.80	0.683	1	A
Heptachlor	ND		ug/kg	0.901	0.404	1	A
Aldrin	ND		ug/kg	1.80	0.634	1	A
Heptachlor epoxide	ND		ug/kg	3.38	1.01	1	A
Endrin	ND		ug/kg	0.751	0.308	1	A
Endrin aldehyde	ND		ug/kg	2.25	0.788	1	A
Endrin ketone	ND		ug/kg	1.80	0.464	1	A
Dieldrin	ND		ug/kg	1.12	0.563	1	A
4,4'-DDE	ND		ug/kg	1.80	0.417	1	A
4,4'-DDD	ND		ug/kg	1.80	0.642	1	A
4,4'-DDT	ND	PI	ug/kg	3.38	1.45	1	A
Endosulfan I	ND		ug/kg	1.80	0.426	1	A
Endosulfan II	ND		ug/kg	1.80	0.602	1	A
Endosulfan sulfate	ND		ug/kg	0.751	0.357	1	A
Methoxychlor	ND		ug/kg	3.38	1.05	1	A
Toxaphene	ND		ug/kg	33.8	9.46	1	A
cis-Chlordane	ND		ug/kg	2.25	0.628	1	A
trans-Chlordane	ND		ug/kg	2.25	0.594	1	A
Chlordane	ND		ug/kg	14.6	5.97	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	84		30-150	B
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	101		30-150	A

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS**

Lab ID: L1518182-14
Client ID: SB-17 (1-6')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/07/15 17:44
Analyst: SS
Percent Solids: 87%
Methylation Date: 08/07/15 03:36

Date Collected: 07/31/15 15:30
Date Received: 08/03/15
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 08/06/15 01:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	188	11.8	1	A
2,4,5-T	ND		ug/kg	188	11.5	1	A
2,4,5-TP (Silvex)	ND		ug/kg	188	11.0	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	59		30-150	B
DCAA	70		30-150	A

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS**

Lab ID: L1518182-15
Client ID: SB-18 (1-8.5')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/09/15 01:55
Analyst: SS
Percent Solids: 88%

Date Collected: 07/31/15 16:00
Date Received: 08/03/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/04/15 10:31
Cleanup Method: EPA 3620B
Cleanup Date: 08/05/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.74	0.341	1	A
Lindane	ND		ug/kg	0.725	0.324	1	A
Alpha-BHC	ND		ug/kg	0.725	0.206	1	A
Beta-BHC	ND		ug/kg	1.74	0.660	1	A
Heptachlor	ND		ug/kg	0.870	0.390	1	A
Aldrin	ND		ug/kg	1.74	0.613	1	A
Heptachlor epoxide	ND		ug/kg	3.26	0.979	1	A
Endrin	ND		ug/kg	0.725	0.297	1	A
Endrin aldehyde	ND		ug/kg	2.18	0.762	1	A
Endrin ketone	ND		ug/kg	1.74	0.448	1	A
Dieldrin	ND		ug/kg	1.09	0.544	1	A
4,4'-DDE	ND		ug/kg	1.74	0.402	1	A
4,4'-DDD	ND		ug/kg	1.74	0.621	1	A
4,4'-DDT	3.10	J	ug/kg	3.26	1.40	1	B
Endosulfan I	ND		ug/kg	1.74	0.411	1	A
Endosulfan II	ND		ug/kg	1.74	0.582	1	A
Endosulfan sulfate	ND		ug/kg	0.725	0.345	1	A
Methoxychlor	ND		ug/kg	3.26	1.02	1	A
Toxaphene	ND		ug/kg	32.6	9.14	1	A
cis-Chlordane	ND		ug/kg	2.18	0.606	1	A
trans-Chlordane	ND		ug/kg	2.18	0.574	1	A
Chlordane	ND		ug/kg	14.1	5.77	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	88		30-150	B
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	69		30-150	A

Project Name: 15 LARIVIERE + 20 WILKESON
Project Number: 0136-013-002

Lab Number: L1518182
Report Date: 08/11/15

SAMPLE RESULTS

Lab ID: L1518182-15
Client ID: SB-18 (1-8.5')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/07/15 18:04
Analyst: SS
Percent Solids: 88%
Methylation Date: 08/07/15 03:36

Date Collected: 07/31/15 16:00
Date Received: 08/03/15
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 08/06/15 01:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	188	11.9	1	A
2,4,5-T	ND		ug/kg	188	11.5	1	A
2,4,5-TP (Silvex)	ND		ug/kg	188	11.0	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	72		30-150	B
DCAA	73		30-150	A

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS**

Lab ID: L1518182-18
Client ID: SB-26 (4-8')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/09/15 02:08
Analyst: SS
Percent Solids: 80%

Date Collected: 07/31/15 12:00
Date Received: 08/03/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/04/15 10:31
Cleanup Method: EPA 3620B
Cleanup Date: 08/05/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.98	0.389	1	A
Lindane	ND		ug/kg	0.827	0.370	1	A
Alpha-BHC	ND		ug/kg	0.827	0.235	1	A
Beta-BHC	ND		ug/kg	1.98	0.752	1	A
Heptachlor	ND		ug/kg	0.992	0.445	1	A
Aldrin	ND		ug/kg	1.98	0.699	1	A
Heptachlor epoxide	ND		ug/kg	3.72	1.12	1	A
Endrin	2.18		ug/kg	0.827	0.339	1	B
Endrin aldehyde	ND		ug/kg	2.48	0.868	1	A
Endrin ketone	ND		ug/kg	1.98	0.511	1	A
Dieldrin	ND		ug/kg	1.24	0.620	1	A
4,4'-DDE	10.2		ug/kg	1.98	0.459	1	B
4,4'-DDD	2.52	PI	ug/kg	1.98	0.708	1	B
4,4'-DDT	21.0		ug/kg	3.72	1.60	1	A
Endosulfan I	ND		ug/kg	1.98	0.469	1	A
Endosulfan II	ND		ug/kg	1.98	0.663	1	A
Endosulfan sulfate	ND		ug/kg	0.827	0.394	1	A
Methoxychlor	ND		ug/kg	3.72	1.16	1	A
Toxaphene	ND		ug/kg	37.2	10.4	1	A
cis-Chlordane	ND		ug/kg	2.48	0.691	1	A
trans-Chlordane	ND		ug/kg	2.48	0.655	1	A
Chlordane	ND		ug/kg	16.1	6.57	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	90		30-150	B
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	106		30-150	A

Project Name: 15 LARIVIERE + 20 WILKESON
Project Number: 0136-013-002

Lab Number: L1518182
Report Date: 08/11/15

SAMPLE RESULTS

Lab ID: L1518182-18
Client ID: SB-26 (4-8')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/07/15 18:23
Analyst: SS
Percent Solids: 80%
Methylation Date: 08/07/15 03:36

Date Collected: 07/31/15 12:00
Date Received: 08/03/15
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 08/06/15 01:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	207	13.0	1	A
2,4,5-T	ND		ug/kg	207	12.7	1	A
2,4,5-TP (Silvex)	ND		ug/kg	207	12.1	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	74		30-150	B
DCAA	83		30-150	A

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS**

Lab ID: L1518182-20
Client ID: SB-21 (2-4')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/09/15 02:21
Analyst: SS
Percent Solids: 84%

Date Collected: 07/31/15 10:40
Date Received: 08/03/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/04/15 10:31
Cleanup Method: EPA 3620B
Cleanup Date: 08/05/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.86	0.364	1	A
Lindane	ND		ug/kg	0.774	0.346	1	A
Alpha-BHC	ND		ug/kg	0.774	0.220	1	A
Beta-BHC	ND		ug/kg	1.86	0.705	1	A
Heptachlor	ND		ug/kg	0.929	0.417	1	A
Aldrin	ND		ug/kg	1.86	0.654	1	A
Heptachlor epoxide	ND		ug/kg	3.48	1.04	1	A
Endrin	ND		ug/kg	0.774	0.317	1	A
Endrin aldehyde	ND		ug/kg	2.32	0.813	1	A
Endrin ketone	ND		ug/kg	1.86	0.478	1	A
Dieldrin	ND		ug/kg	1.16	0.581	1	A
4,4'-DDE	13.9		ug/kg	1.86	0.430	1	A
4,4'-DDD	30.3		ug/kg	1.86	0.663	1	A
4,4'-DDT	29.8	P	ug/kg	3.48	1.49	1	A
Endosulfan I	ND		ug/kg	1.86	0.439	1	A
Endosulfan II	ND		ug/kg	1.86	0.621	1	A
Endosulfan sulfate	ND		ug/kg	0.774	0.369	1	A
Methoxychlor	ND		ug/kg	3.48	1.08	1	A
Toxaphene	ND		ug/kg	34.8	9.76	1	A
cis-Chlordane	ND		ug/kg	2.32	0.647	1	A
trans-Chlordane	ND		ug/kg	2.32	0.613	1	A
Chlordane	ND		ug/kg	15.1	6.16	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	78		30-150	B
2,4,5,6-Tetrachloro-m-xylene	115		30-150	A
Decachlorobiphenyl	94		30-150	A

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS**

Lab ID: L1518182-20
Client ID: SB-21 (2-4')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/07/15 18:43
Analyst: SS
Percent Solids: 84%
Methylation Date: 08/07/15 03:36

Date Collected: 07/31/15 10:40
Date Received: 08/03/15
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 08/06/15 01:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	195	12.3	1	A
2,4,5-T	ND		ug/kg	195	12.0	1	A
2,4,5-TP (Silvex)	ND		ug/kg	195	11.4	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	64		30-150	B
DCAA	80		30-150	A

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS**

Lab ID: L1518182-27
Client ID: SB-25 (2-5')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/09/15 02:34
Analyst: SS
Percent Solids: 86%

Date Collected: 07/31/15 14:45
Date Received: 08/03/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/04/15 10:31
Cleanup Method: EPA 3620B
Cleanup Date: 08/05/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.80	0.352	1	A
Lindane	ND		ug/kg	0.749	0.335	1	A
Alpha-BHC	ND		ug/kg	0.749	0.213	1	A
Beta-BHC	ND		ug/kg	1.80	0.682	1	A
Heptachlor	ND		ug/kg	0.899	0.403	1	A
Aldrin	ND		ug/kg	1.80	0.633	1	A
Heptachlor epoxide	ND		ug/kg	3.37	1.01	1	A
Endrin	2.30	P	ug/kg	0.749	0.307	1	B
Endrin aldehyde	ND		ug/kg	2.25	0.786	1	A
Endrin ketone	ND		ug/kg	1.80	0.463	1	A
Dieldrin	ND		ug/kg	1.12	0.562	1	A
4,4'-DDE	10.0		ug/kg	1.80	0.416	1	A
4,4'-DDD	12.9	P	ug/kg	1.80	0.641	1	A
4,4'-DDT	17.7		ug/kg	3.37	1.44	1	A
Endosulfan I	ND		ug/kg	1.80	0.425	1	A
Endosulfan II	ND		ug/kg	1.80	0.601	1	A
Endosulfan sulfate	ND		ug/kg	0.749	0.356	1	A
Methoxychlor	ND		ug/kg	3.37	1.05	1	A
Toxaphene	ND		ug/kg	33.7	9.44	1	A
cis-Chlordane	ND		ug/kg	2.25	0.626	1	A
trans-Chlordane	ND		ug/kg	2.25	0.593	1	A
Chlordane	ND		ug/kg	14.6	5.96	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	78		30-150	B
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	103		30-150	A

Project Name: 15 LARIVIERE + 20 WILKESON
Project Number: 0136-013-002

Lab Number: L1518182
Report Date: 08/11/15

SAMPLE RESULTS

Lab ID: L1518182-27
Client ID: SB-25 (2-5')
Sample Location: 15 LARIVIERE DR.+20 WILKESON WAY
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/07/15 19:03
Analyst: SS
Percent Solids: 86%
Methylation Date: 08/07/15 03:36

Date Collected: 07/31/15 14:45
Date Received: 08/03/15
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 08/06/15 01:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	189	11.9	1	A
2,4,5-T	ND		ug/kg	189	11.6	1	A
2,4,5-TP (Silvex)	ND		ug/kg	189	11.1	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	55		30-150	B
DCAA	56		30-150	A

Project Name: 15 LARIVIERE + 20 WILKESON

Lab Number: L1518182

Project Number: 0136-013-002

Report Date: 08/11/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 08/06/15 20:45
 Analyst: SS

Extraction Method: EPA 3546
 Extraction Date: 08/04/15 10:30
 Cleanup Method: EPA 3620B
 Cleanup Date: 08/05/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01,03,05,07,09,11,14-15,18,20,27 Batch: WG808803-1						
Delta-BHC	ND		ug/kg	1.60	0.312	A
Lindane	ND		ug/kg	0.665	0.297	A
Alpha-BHC	ND		ug/kg	0.665	0.189	A
Beta-BHC	ND		ug/kg	1.60	0.605	A
Aldrin	ND		ug/kg	1.60	0.562	A
Heptachlor epoxide	ND		ug/kg	2.99	0.898	A
Endrin	ND		ug/kg	0.665	0.273	A
Endrin aldehyde	ND		ug/kg	1.99	0.698	A
Endrin ketone	ND		ug/kg	1.60	0.411	A
Dieldrin	ND		ug/kg	0.997	0.499	A
4,4'-DDE	ND		ug/kg	1.60	0.369	A
4,4'-DDD	ND		ug/kg	1.60	0.569	A
4,4'-DDT	ND		ug/kg	2.99	1.28	A
Endosulfan I	ND		ug/kg	1.60	0.377	A
Endosulfan II	ND		ug/kg	1.60	0.533	A
Endosulfan sulfate	ND		ug/kg	0.665	0.316	A
Methoxychlor	ND		ug/kg	2.99	0.931	A
Toxaphene	ND		ug/kg	29.9	8.38	A
Heptachlor	0.359	J	ug/kg	0.798	0.358	B
cis-Chlordane	1.22	J	ug/kg	1.99	0.556	B
trans-Chlordane	1.40	J	ug/kg	1.99	0.526	B
Chlordane	11.7	J	ug/kg	13.0	5.28	B

Project Name: 15 LARIVIERE + 20 WILKESON

Lab Number: L1518182

Project Number: 0136-013-002

Report Date: 08/11/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 08/06/15 20:45
 Analyst: SS

Extraction Method: EPA 3546
 Extraction Date: 08/04/15 10:30
 Cleanup Method: EPA 3620B
 Cleanup Date: 08/05/15

Parameter	Result	Qualifier	Units	RL	MDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01,03,05,07,09,11,14-15,18,20,27 Batch: WG808803-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	85		30-150	B
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	76		30-150	A

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**Method Blank Analysis**
Batch Quality ControlAnalytical Method: 1,8151A
Analytical Date: 08/07/15 07:40
Analyst: SSExtraction Method: EPA 8151A
Extraction Date: 08/06/15 01:52

Methylation Date: 08/07/15 03:36

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01,03,05,07,09,11,14-15,18,20,27 Batch: WG809472-1						
2,4-D	ND		ug/kg	162	10.2	A
2,4,5-T	ND		ug/kg	162	9.95	A
2,4,5-TP (Silvex)	ND		ug/kg	162	9.49	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	82		30-150	B
DCAA	95		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 15 LARIVIERE + 20 WILKESON

Project Number: 0136-013-002

Lab Number: L1518182

Report Date: 08/11/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01,03,05,07,09,11,14-15,18,20,27 Batch: WG808803-2 WG808803-3									
Delta-BHC	66		87		30-150	27		30	A
Lindane	81		104		30-150	25		30	A
Alpha-BHC	82		107		30-150	26		30	A
Beta-BHC	82		105		30-150	25		30	A
Heptachlor	90		118		30-150	27		30	A
Aldrin	86		113		30-150	27		30	A
Heptachlor epoxide	67		101		30-150	40	Q	30	A
Endrin	82		108		30-150	27		30	A
Endrin aldehyde	58		70		30-150	19		30	A
Endrin ketone	59		80		30-150	30		30	A
Dieldrin	83		110		30-150	28		30	A
4,4'-DDE	78		104		30-150	29		30	A
4,4'-DDD	88		116		30-150	27		30	A
4,4'-DDT	83		107		30-150	25		30	A
Endosulfan I	76		101		30-150	28		30	A
Endosulfan II	76		93		30-150	20		30	A
Endosulfan sulfate	56		74		30-150	28		30	A
Methoxychlor	75		89		30-150	17		30	A
cis-Chlordane	80		107		30-150	29		30	A
trans-Chlordane	84		109		30-150	26		30	A

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 15 LARIVIERE + 20 WILKESON**Project Number:** 0136-013-002**Lab Number:** L1518182**Report Date:** 08/11/15

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

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01,03,05,07,09,11,14-15,18,20,27 Batch: WG808803-2 WG808803-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		94		30-150	B
Decachlorobiphenyl	85		98		30-150	B
2,4,5,6-Tetrachloro-m-xylene	76		105		30-150	A
Decachlorobiphenyl	80		99		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 15 LARIVIERE + 20 WILKESON

Project Number: 0136-013-002

Lab Number: L1518182

Report Date: 08/11/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01,03,05,07,09,11,14-15,18,20,27 Batch: WG809472-2 WG809472-3									
2,4-D	98		88		30-150	11		30	A
2,4,5-T	86		86		30-150	0		30	A
2,4,5-TP (Silvex)	86		85		30-150	1		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	72		75		30-150	B
DCAA	79		79		30-150	A

METALS

Project Name: 15 LARIVIERE + 20 WILKESON

Lab Number: L1518182

Project Number: 0136-013-002

Report Date: 08/11/15

SAMPLE RESULTS

Lab ID: L1518182-01

Date Collected: 07/30/15 11:30

Client ID: TP-12 (6-7')

Date Received: 08/03/15

Sample Location: 15 LARIVIERE DR.+20 WILKESON W

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	10000		mg/kg	9.7	1.9	2	08/04/15 08:12	08/06/15 12:24	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.9	0.78	2	08/04/15 08:12	08/06/15 12:24	EPA 3050B	1,6010C	TT
Arsenic, Total	13		mg/kg	0.97	0.19	2	08/04/15 08:12	08/06/15 12:24	EPA 3050B	1,6010C	TT
Barium, Total	360		mg/kg	0.97	0.29	2	08/04/15 08:12	08/06/15 12:24	EPA 3050B	1,6010C	TT
Beryllium, Total	0.71		mg/kg	0.49	0.10	2	08/04/15 08:12	08/06/15 12:24	EPA 3050B	1,6010C	TT
Cadmium, Total	0.62	J	mg/kg	0.97	0.07	2	08/04/15 08:12	08/06/15 12:24	EPA 3050B	1,6010C	TT
Calcium, Total	17000		mg/kg	9.7	2.9	2	08/04/15 08:12	08/06/15 12:24	EPA 3050B	1,6010C	TT
Chromium, Total	21		mg/kg	0.97	0.19	2	08/04/15 08:12	08/06/15 12:24	EPA 3050B	1,6010C	TT
Cobalt, Total	5.8		mg/kg	1.9	0.49	2	08/04/15 08:12	08/06/15 12:24	EPA 3050B	1,6010C	TT
Copper, Total	57		mg/kg	0.97	0.19	2	08/04/15 08:12	08/06/15 12:24	EPA 3050B	1,6010C	TT
Iron, Total	17000		mg/kg	4.9	1.9	2	08/04/15 08:12	08/06/15 12:24	EPA 3050B	1,6010C	TT
Lead, Total	380		mg/kg	4.9	0.19	2	08/04/15 08:12	08/06/15 12:24	EPA 3050B	1,6010C	TT
Magnesium, Total	5400		mg/kg	9.7	0.97	2	08/04/15 08:12	08/06/15 12:24	EPA 3050B	1,6010C	TT
Manganese, Total	320		mg/kg	0.97	0.19	2	08/04/15 08:12	08/06/15 12:24	EPA 3050B	1,6010C	TT
Mercury, Total	0.60		mg/kg	0.08	0.02	1	08/05/15 07:10	08/05/15 20:20	EPA 7471B	1,7471B	EA
Nickel, Total	14		mg/kg	2.4	0.39	2	08/04/15 08:12	08/06/15 12:24	EPA 3050B	1,6010C	TT
Potassium, Total	750		mg/kg	240	39.	2	08/04/15 08:12	08/06/15 12:24	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	1.9	0.29	2	08/04/15 08:12	08/06/15 12:24	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.97	0.19	2	08/04/15 08:12	08/06/15 12:24	EPA 3050B	1,6010C	TT
Sodium, Total	290		mg/kg	190	29.	2	08/04/15 08:12	08/06/15 12:24	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.9	0.39	2	08/04/15 08:12	08/06/15 12:24	EPA 3050B	1,6010C	TT
Vanadium, Total	17		mg/kg	0.97	0.10	2	08/04/15 08:12	08/06/15 12:24	EPA 3050B	1,6010C	TT
Zinc, Total	410		mg/kg	4.9	0.68	2	08/04/15 08:12	08/06/15 12:24	EPA 3050B	1,6010C	TT



Project Name: 15 LARIVIERE + 20 WILKESON

Lab Number: L1518182

Project Number: 0136-013-002

Report Date: 08/11/15

SAMPLE RESULTS

Lab ID: L1518182-03

Date Collected: 07/30/15 10:30

Client ID: TP-13 (1.5-5')

Date Received: 08/03/15

Sample Location: 15 LARIVIERE DR.+20 WILKESON W

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6900		mg/kg	8.4	1.7	2	08/04/15 08:12	08/06/15 13:23	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.2	0.67	2	08/04/15 08:12	08/06/15 13:23	EPA 3050B	1,6010C	TT
Arsenic, Total	8.6		mg/kg	0.84	0.17	2	08/04/15 08:12	08/06/15 13:23	EPA 3050B	1,6010C	TT
Barium, Total	63		mg/kg	0.84	0.25	2	08/04/15 08:12	08/06/15 13:23	EPA 3050B	1,6010C	TT
Beryllium, Total	0.39	J	mg/kg	0.42	0.08	2	08/04/15 08:12	08/06/15 13:23	EPA 3050B	1,6010C	TT
Cadmium, Total	0.16	J	mg/kg	0.84	0.06	2	08/04/15 08:12	08/06/15 13:23	EPA 3050B	1,6010C	TT
Calcium, Total	48000		mg/kg	8.4	2.5	2	08/04/15 08:12	08/06/15 13:23	EPA 3050B	1,6010C	TT
Chromium, Total	12		mg/kg	0.84	0.17	2	08/04/15 08:12	08/06/15 13:23	EPA 3050B	1,6010C	TT
Cobalt, Total	5.4		mg/kg	1.7	0.42	2	08/04/15 08:12	08/06/15 13:23	EPA 3050B	1,6010C	TT
Copper, Total	28		mg/kg	0.84	0.17	2	08/04/15 08:12	08/06/15 13:23	EPA 3050B	1,6010C	TT
Iron, Total	14000		mg/kg	4.2	1.7	2	08/04/15 08:12	08/06/15 13:23	EPA 3050B	1,6010C	TT
Lead, Total	34		mg/kg	4.2	0.17	2	08/04/15 08:12	08/06/15 13:23	EPA 3050B	1,6010C	TT
Magnesium, Total	19000		mg/kg	8.4	0.84	2	08/04/15 08:12	08/06/15 13:23	EPA 3050B	1,6010C	TT
Manganese, Total	360		mg/kg	0.84	0.17	2	08/04/15 08:12	08/06/15 13:23	EPA 3050B	1,6010C	TT
Mercury, Total	0.27		mg/kg	0.07	0.02	1	08/05/15 07:10	08/05/15 20:31	EPA 7471B	1,7471B	EA
Nickel, Total	12		mg/kg	2.1	0.34	2	08/04/15 08:12	08/06/15 13:23	EPA 3050B	1,6010C	TT
Potassium, Total	820		mg/kg	210	34.	2	08/04/15 08:12	08/06/15 13:23	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	1.7	0.25	2	08/04/15 08:12	08/06/15 13:23	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.84	0.17	2	08/04/15 08:12	08/06/15 13:23	EPA 3050B	1,6010C	TT
Sodium, Total	110	J	mg/kg	170	25.	2	08/04/15 08:12	08/06/15 13:23	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.7	0.34	2	08/04/15 08:12	08/06/15 13:23	EPA 3050B	1,6010C	TT
Vanadium, Total	15		mg/kg	0.84	0.08	2	08/04/15 08:12	08/06/15 13:23	EPA 3050B	1,6010C	TT
Zinc, Total	82		mg/kg	4.2	0.59	2	08/04/15 08:12	08/06/15 13:23	EPA 3050B	1,6010C	TT



Project Name: 15 LARIVIERE + 20 WILKESON

Lab Number: L1518182

Project Number: 0136-013-002

Report Date: 08/11/15

SAMPLE RESULTS

Lab ID: L1518182-05

Date Collected: 07/30/15 13:00

Client ID: TP-14 (4-7')

Date Received: 08/03/15

Sample Location: 15 LARIVIERE DR.+20 WILKESON W

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5500		mg/kg	10	2.1	2	08/04/15 08:12	08/06/15 14:15	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	5.2	0.83	2	08/04/15 08:12	08/06/15 14:15	EPA 3050B	1,6010C	TT
Arsenic, Total	5.1		mg/kg	1.0	0.21	2	08/04/15 08:12	08/06/15 14:15	EPA 3050B	1,6010C	TT
Barium, Total	27		mg/kg	1.0	0.31	2	08/04/15 08:12	08/06/15 14:15	EPA 3050B	1,6010C	TT
Beryllium, Total	0.29	J	mg/kg	0.52	0.10	2	08/04/15 08:12	08/06/15 14:15	EPA 3050B	1,6010C	TT
Cadmium, Total	ND		mg/kg	1.0	0.07	2	08/04/15 08:12	08/06/15 14:15	EPA 3050B	1,6010C	TT
Calcium, Total	3600		mg/kg	10	3.1	2	08/04/15 08:12	08/06/15 14:15	EPA 3050B	1,6010C	TT
Chromium, Total	8.4		mg/kg	1.0	0.21	2	08/04/15 08:12	08/06/15 14:15	EPA 3050B	1,6010C	TT
Cobalt, Total	4.4		mg/kg	2.1	0.52	2	08/04/15 08:12	08/06/15 14:15	EPA 3050B	1,6010C	TT
Copper, Total	13		mg/kg	1.0	0.21	2	08/04/15 08:12	08/06/15 14:15	EPA 3050B	1,6010C	TT
Iron, Total	10000		mg/kg	5.2	2.1	2	08/04/15 08:12	08/06/15 14:15	EPA 3050B	1,6010C	TT
Lead, Total	4.9	J	mg/kg	5.2	0.21	2	08/04/15 08:12	08/06/15 14:15	EPA 3050B	1,6010C	TT
Magnesium, Total	2400		mg/kg	10	1.0	2	08/04/15 08:12	08/06/15 14:15	EPA 3050B	1,6010C	TT
Manganese, Total	180		mg/kg	1.0	0.21	2	08/04/15 08:12	08/06/15 14:15	EPA 3050B	1,6010C	TT
Mercury, Total	0.03	J	mg/kg	0.09	0.02	1	08/05/15 07:10	08/05/15 20:33	EPA 7471B	1,7471B	EA
Nickel, Total	13		mg/kg	2.6	0.41	2	08/04/15 08:12	08/06/15 14:15	EPA 3050B	1,6010C	TT
Potassium, Total	400		mg/kg	260	41.	2	08/04/15 08:12	08/06/15 14:15	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	2.1	0.31	2	08/04/15 08:12	08/06/15 14:15	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	1.0	0.21	2	08/04/15 08:12	08/06/15 14:15	EPA 3050B	1,6010C	TT
Sodium, Total	34	J	mg/kg	210	31.	2	08/04/15 08:12	08/06/15 14:15	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	2.1	0.41	2	08/04/15 08:12	08/06/15 14:15	EPA 3050B	1,6010C	TT
Vanadium, Total	11		mg/kg	1.0	0.10	2	08/04/15 08:12	08/06/15 14:15	EPA 3050B	1,6010C	TT
Zinc, Total	44		mg/kg	5.2	0.73	2	08/04/15 08:12	08/06/15 14:15	EPA 3050B	1,6010C	TT



Project Name: 15 LARIVIERE + 20 WILKESON

Lab Number: L1518182

Project Number: 0136-013-002

Report Date: 08/11/15

SAMPLE RESULTS

Lab ID: L1518182-07

Date Collected: 07/30/15 13:50

Client ID: TP-15 (.5-5')

Date Received: 08/03/15

Sample Location: 15 LARIVIERE DR.+20 WILKESON W

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	13000		mg/kg	9.3	1.8	2	08/04/15 08:12	08/06/15 14:19	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.6	0.74	2	08/04/15 08:12	08/06/15 14:19	EPA 3050B	1,6010C	TT
Arsenic, Total	12		mg/kg	0.93	0.18	2	08/04/15 08:12	08/06/15 14:19	EPA 3050B	1,6010C	TT
Barium, Total	130		mg/kg	0.93	0.28	2	08/04/15 08:12	08/06/15 14:19	EPA 3050B	1,6010C	TT
Beryllium, Total	0.63		mg/kg	0.46	0.09	2	08/04/15 08:12	08/06/15 14:19	EPA 3050B	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.93	0.07	2	08/04/15 08:12	08/06/15 14:19	EPA 3050B	1,6010C	TT
Calcium, Total	46000		mg/kg	9.3	2.8	2	08/04/15 08:12	08/06/15 14:19	EPA 3050B	1,6010C	TT
Chromium, Total	21		mg/kg	0.93	0.18	2	08/04/15 08:12	08/06/15 14:19	EPA 3050B	1,6010C	TT
Cobalt, Total	12		mg/kg	1.8	0.46	2	08/04/15 08:12	08/06/15 14:19	EPA 3050B	1,6010C	TT
Copper, Total	21		mg/kg	0.93	0.18	2	08/04/15 08:12	08/06/15 14:19	EPA 3050B	1,6010C	TT
Iron, Total	26000		mg/kg	4.6	1.8	2	08/04/15 08:12	08/06/15 14:19	EPA 3050B	1,6010C	TT
Lead, Total	ND		mg/kg	4.6	0.18	2	08/04/15 08:12	08/06/15 14:19	EPA 3050B	1,6010C	TT
Magnesium, Total	12000		mg/kg	9.3	0.93	2	08/04/15 08:12	08/06/15 14:19	EPA 3050B	1,6010C	TT
Manganese, Total	600		mg/kg	0.93	0.18	2	08/04/15 08:12	08/06/15 14:19	EPA 3050B	1,6010C	TT
Mercury, Total	0.03	J	mg/kg	0.08	0.02	1	08/05/15 07:10	08/05/15 20:35	EPA 7471B	1,7471B	EA
Nickel, Total	24		mg/kg	2.3	0.37	2	08/04/15 08:12	08/06/15 14:19	EPA 3050B	1,6010C	TT
Potassium, Total	1600		mg/kg	230	37.	2	08/04/15 08:12	08/06/15 14:19	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	1.8	0.28	2	08/04/15 08:12	08/06/15 14:19	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.93	0.18	2	08/04/15 08:12	08/06/15 14:19	EPA 3050B	1,6010C	TT
Sodium, Total	140	J	mg/kg	180	28.	2	08/04/15 08:12	08/06/15 14:19	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.8	0.37	2	08/04/15 08:12	08/06/15 14:19	EPA 3050B	1,6010C	TT
Vanadium, Total	26		mg/kg	0.93	0.09	2	08/04/15 08:12	08/06/15 14:19	EPA 3050B	1,6010C	TT
Zinc, Total	64		mg/kg	4.6	0.65	2	08/04/15 08:12	08/06/15 14:19	EPA 3050B	1,6010C	TT



Project Name: 15 LARIVIERE + 20 WILKESON

Lab Number: L1518182

Project Number: 0136-013-002

Report Date: 08/11/15

SAMPLE RESULTS

Lab ID: L1518182-09

Date Collected: 07/30/15 14:00

Client ID: TP-15 (5-11')

Date Received: 08/03/15

Sample Location: 15 LARIVIERE DR.+20 WILKESON W

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5800		mg/kg	8.1	1.6	2	08/04/15 14:54	08/05/15 23:00	EPA 3050B	1,6010C	MC
Antimony, Total	ND		mg/kg	4.0	0.65	2	08/04/15 14:54	08/05/15 23:00	EPA 3050B	1,6010C	MC
Arsenic, Total	3.0		mg/kg	0.81	0.16	2	08/04/15 14:54	08/05/15 23:00	EPA 3050B	1,6010C	MC
Barium, Total	54		mg/kg	0.81	0.24	2	08/04/15 14:54	08/05/15 23:00	EPA 3050B	1,6010C	MC
Beryllium, Total	0.28	J	mg/kg	0.40	0.08	2	08/04/15 14:54	08/05/15 23:00	EPA 3050B	1,6010C	MC
Cadmium, Total	ND		mg/kg	0.81	0.06	2	08/04/15 14:54	08/05/15 23:00	EPA 3050B	1,6010C	MC
Calcium, Total	67000		mg/kg	810	240	200	08/04/15 14:54	08/06/15 19:21	EPA 3050B	1,6010C	TT
Chromium, Total	10		mg/kg	0.81	0.16	2	08/04/15 14:54	08/05/15 23:00	EPA 3050B	1,6010C	MC
Cobalt, Total	4.9		mg/kg	1.6	0.40	2	08/04/15 14:54	08/05/15 23:00	EPA 3050B	1,6010C	MC
Copper, Total	16		mg/kg	0.81	0.16	2	08/04/15 14:54	08/05/15 23:00	EPA 3050B	1,6010C	MC
Iron, Total	12000		mg/kg	4.0	1.6	2	08/04/15 14:54	08/05/15 23:00	EPA 3050B	1,6010C	MC
Lead, Total	18		mg/kg	4.0	0.16	2	08/04/15 14:54	08/05/15 23:00	EPA 3050B	1,6010C	MC
Magnesium, Total	12000		mg/kg	810	81.	200	08/04/15 14:54	08/06/15 19:21	EPA 3050B	1,6010C	TT
Manganese, Total	300		mg/kg	0.81	0.16	2	08/04/15 14:54	08/05/15 23:00	EPA 3050B	1,6010C	MC
Mercury, Total	0.11		mg/kg	0.07	0.02	1	08/05/15 07:10	08/05/15 20:36	EPA 7471B	1,7471B	EA
Nickel, Total	12		mg/kg	2.0	0.32	2	08/04/15 14:54	08/05/15 23:00	EPA 3050B	1,6010C	MC
Potassium, Total	810		mg/kg	200	32.	2	08/04/15 14:54	08/05/15 23:00	EPA 3050B	1,6010C	MC
Selenium, Total	ND		mg/kg	1.6	0.24	2	08/04/15 14:54	08/05/15 23:00	EPA 3050B	1,6010C	MC
Silver, Total	ND		mg/kg	0.81	0.16	2	08/04/15 14:54	08/05/15 23:00	EPA 3050B	1,6010C	MC
Sodium, Total	120	J	mg/kg	160	24.	2	08/04/15 14:54	08/05/15 23:00	EPA 3050B	1,6010C	MC
Thallium, Total	ND		mg/kg	1.6	0.32	2	08/04/15 14:54	08/05/15 23:00	EPA 3050B	1,6010C	MC
Vanadium, Total	13		mg/kg	0.81	0.08	2	08/04/15 14:54	08/05/15 23:00	EPA 3050B	1,6010C	MC
Zinc, Total	50		mg/kg	4.0	0.57	2	08/04/15 14:54	08/05/15 23:00	EPA 3050B	1,6010C	MC



Project Name: 15 LARIVIERE + 20 WILKESON

Lab Number: L1518182

Project Number: 0136-013-002

Report Date: 08/11/15

SAMPLE RESULTS

Lab ID: L1518182-11

Date Collected: 07/30/15 15:00

Client ID: TP-16 (.5-5')

Date Received: 08/03/15

Sample Location: 15 LARIVIERE DR.+20 WILKESON W

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	11000		mg/kg	8.6	1.7	2	08/04/15 14:54	08/05/15 23:16	EPA 3050B	1,6010C	MC
Antimony, Total	ND		mg/kg	4.3	0.69	2	08/04/15 14:54	08/05/15 23:16	EPA 3050B	1,6010C	MC
Arsenic, Total	2.4		mg/kg	0.86	0.17	2	08/04/15 14:54	08/05/15 23:16	EPA 3050B	1,6010C	MC
Barium, Total	98		mg/kg	0.86	0.26	2	08/04/15 14:54	08/05/15 23:16	EPA 3050B	1,6010C	MC
Beryllium, Total	0.51		mg/kg	0.43	0.09	2	08/04/15 14:54	08/05/15 23:16	EPA 3050B	1,6010C	MC
Cadmium, Total	ND		mg/kg	0.86	0.06	2	08/04/15 14:54	08/05/15 23:16	EPA 3050B	1,6010C	MC
Calcium, Total	57000		mg/kg	860	260	200	08/04/15 14:54	08/06/15 20:20	EPA 3050B	1,6010C	TT
Chromium, Total	18		mg/kg	0.86	0.17	2	08/04/15 14:54	08/05/15 23:16	EPA 3050B	1,6010C	MC
Cobalt, Total	8.9		mg/kg	1.7	0.43	2	08/04/15 14:54	08/05/15 23:16	EPA 3050B	1,6010C	MC
Copper, Total	19		mg/kg	0.86	0.17	2	08/04/15 14:54	08/05/15 23:16	EPA 3050B	1,6010C	MC
Iron, Total	20000		mg/kg	4.3	1.7	2	08/04/15 14:54	08/05/15 23:16	EPA 3050B	1,6010C	MC
Lead, Total	8.6		mg/kg	4.3	0.17	2	08/04/15 14:54	08/05/15 23:16	EPA 3050B	1,6010C	MC
Magnesium, Total	17000		mg/kg	860	86.	200	08/04/15 14:54	08/06/15 20:20	EPA 3050B	1,6010C	TT
Manganese, Total	490		mg/kg	0.86	0.17	2	08/04/15 14:54	08/05/15 23:16	EPA 3050B	1,6010C	MC
Mercury, Total	0.02	J	mg/kg	0.07	0.02	1	08/05/15 07:10	08/05/15 20:38	EPA 7471B	1,7471B	EA
Nickel, Total	22		mg/kg	2.1	0.34	2	08/04/15 14:54	08/05/15 23:16	EPA 3050B	1,6010C	MC
Potassium, Total	1400		mg/kg	210	34.	2	08/04/15 14:54	08/05/15 23:16	EPA 3050B	1,6010C	MC
Selenium, Total	ND		mg/kg	1.7	0.26	2	08/04/15 14:54	08/05/15 23:16	EPA 3050B	1,6010C	MC
Silver, Total	ND		mg/kg	0.86	0.17	2	08/04/15 14:54	08/05/15 23:16	EPA 3050B	1,6010C	MC
Sodium, Total	130	J	mg/kg	170	26.	2	08/04/15 14:54	08/05/15 23:16	EPA 3050B	1,6010C	MC
Thallium, Total	ND		mg/kg	1.7	0.34	2	08/04/15 14:54	08/05/15 23:16	EPA 3050B	1,6010C	MC
Vanadium, Total	22		mg/kg	0.86	0.09	2	08/04/15 14:54	08/05/15 23:16	EPA 3050B	1,6010C	MC
Zinc, Total	59		mg/kg	4.3	0.60	2	08/04/15 14:54	08/05/15 23:16	EPA 3050B	1,6010C	MC



Project Name: 15 LARIVIERE + 20 WILKESON

Lab Number: L1518182

Project Number: 0136-013-002

Report Date: 08/11/15

SAMPLE RESULTS

Lab ID: L1518182-13

Date Collected: 07/30/15 16:00

Client ID: TP-17 (2.5-3.5')

Date Received: 08/03/15

Sample Location: 15 LARIVIERE DR.+20 WILKESON W

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	16000		mg/kg	8.3	1.7	2	08/04/15 14:54	08/05/15 23:20	EPA 3050B	1,6010C	MC
Antimony, Total	ND		mg/kg	4.2	0.66	2	08/04/15 14:54	08/05/15 23:20	EPA 3050B	1,6010C	MC
Arsenic, Total	2.6		mg/kg	0.83	0.17	2	08/04/15 14:54	08/05/15 23:20	EPA 3050B	1,6010C	MC
Barium, Total	170		mg/kg	0.83	0.25	2	08/04/15 14:54	08/05/15 23:20	EPA 3050B	1,6010C	MC
Beryllium, Total	3.3		mg/kg	0.42	0.08	2	08/04/15 14:54	08/05/15 23:20	EPA 3050B	1,6010C	MC
Cadmium, Total	ND		mg/kg	0.83	0.06	2	08/04/15 14:54	08/05/15 23:20	EPA 3050B	1,6010C	MC
Calcium, Total	130000		mg/kg	830	250	200	08/04/15 14:54	08/06/15 20:40	EPA 3050B	1,6010C	TT
Chromium, Total	7.0		mg/kg	0.83	0.17	2	08/04/15 14:54	08/05/15 23:20	EPA 3050B	1,6010C	MC
Cobalt, Total	1.2	J	mg/kg	1.7	0.42	2	08/04/15 14:54	08/05/15 23:20	EPA 3050B	1,6010C	MC
Copper, Total	6.2		mg/kg	0.83	0.17	2	08/04/15 14:54	08/05/15 23:20	EPA 3050B	1,6010C	MC
Iron, Total	6600		mg/kg	4.2	1.7	2	08/04/15 14:54	08/05/15 23:20	EPA 3050B	1,6010C	MC
Lead, Total	8.3		mg/kg	4.2	0.17	2	08/04/15 14:54	08/05/15 23:20	EPA 3050B	1,6010C	MC
Magnesium, Total	23000		mg/kg	830	83.	200	08/04/15 14:54	08/06/15 22:10	EPA 3050B	1,6010C	TT
Manganese, Total	2500		mg/kg	0.83	0.17	2	08/04/15 14:54	08/05/15 23:20	EPA 3050B	1,6010C	MC
Mercury, Total	ND		mg/kg	0.07	0.02	1	08/05/15 07:10	08/05/15 20:40	EPA 7471B	1,7471B	EA
Nickel, Total	3.3		mg/kg	2.1	0.33	2	08/04/15 14:54	08/05/15 23:20	EPA 3050B	1,6010C	MC
Potassium, Total	1200		mg/kg	210	33.	2	08/04/15 14:54	08/05/15 23:20	EPA 3050B	1,6010C	MC
Selenium, Total	1.7		mg/kg	1.7	0.25	2	08/04/15 14:54	08/05/15 23:20	EPA 3050B	1,6010C	MC
Silver, Total	0.38	J	mg/kg	0.83	0.17	2	08/04/15 14:54	08/05/15 23:20	EPA 3050B	1,6010C	MC
Sodium, Total	550		mg/kg	170	25.	2	08/04/15 14:54	08/05/15 23:20	EPA 3050B	1,6010C	MC
Thallium, Total	ND		mg/kg	1.7	0.33	2	08/04/15 14:54	08/05/15 23:20	EPA 3050B	1,6010C	MC
Vanadium, Total	5.7		mg/kg	0.83	0.08	2	08/04/15 14:54	08/05/15 23:20	EPA 3050B	1,6010C	MC
Zinc, Total	18		mg/kg	4.2	0.58	2	08/04/15 14:54	08/05/15 23:20	EPA 3050B	1,6010C	MC



Project Name: 15 LARIVIERE + 20 WILKESON

Lab Number: L1518182

Project Number: 0136-013-002

Report Date: 08/11/15

SAMPLE RESULTS

Lab ID: L1518182-14

Date Collected: 07/31/15 15:30

Client ID: SB-17 (1-6')

Date Received: 08/03/15

Sample Location: 15 LARIVIERE DR.+20 WILKESON W

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4400		mg/kg	8.7	1.7	2	08/04/15 14:54	08/05/15 23:39	EPA 3050B	1,6010C	MC
Antimony, Total	ND		mg/kg	4.4	0.70	2	08/04/15 14:54	08/05/15 23:39	EPA 3050B	1,6010C	MC
Arsenic, Total	3.0		mg/kg	0.87	0.17	2	08/04/15 14:54	08/05/15 23:39	EPA 3050B	1,6010C	MC
Barium, Total	66		mg/kg	0.87	0.26	2	08/04/15 14:54	08/05/15 23:39	EPA 3050B	1,6010C	MC
Beryllium, Total	0.19	J	mg/kg	0.44	0.09	2	08/04/15 14:54	08/05/15 23:39	EPA 3050B	1,6010C	MC
Cadmium, Total	0.16	J	mg/kg	0.87	0.06	2	08/04/15 14:54	08/05/15 23:39	EPA 3050B	1,6010C	MC
Calcium, Total	38000		mg/kg	8.7	2.6	2	08/04/15 14:54	08/06/15 20:00	EPA 3050B	1,6010C	TT
Chromium, Total	6.9		mg/kg	0.87	0.17	2	08/04/15 14:54	08/05/15 23:39	EPA 3050B	1,6010C	MC
Cobalt, Total	3.0		mg/kg	1.7	0.44	2	08/04/15 14:54	08/05/15 23:39	EPA 3050B	1,6010C	MC
Copper, Total	14		mg/kg	0.87	0.17	2	08/04/15 14:54	08/05/15 23:39	EPA 3050B	1,6010C	MC
Iron, Total	7700		mg/kg	4.4	1.7	2	08/04/15 14:54	08/05/15 23:39	EPA 3050B	1,6010C	MC
Lead, Total	100		mg/kg	4.4	0.17	2	08/04/15 14:54	08/05/15 23:39	EPA 3050B	1,6010C	MC
Magnesium, Total	5100		mg/kg	8.7	0.87	2	08/04/15 14:54	08/06/15 20:00	EPA 3050B	1,6010C	TT
Manganese, Total	220		mg/kg	0.87	0.17	2	08/04/15 14:54	08/05/15 23:39	EPA 3050B	1,6010C	MC
Mercury, Total	0.33		mg/kg	0.07	0.02	1	08/05/15 07:10	08/05/15 20:44	EPA 7471B	1,7471B	EA
Nickel, Total	6.6		mg/kg	2.2	0.35	2	08/04/15 14:54	08/05/15 23:39	EPA 3050B	1,6010C	MC
Potassium, Total	440		mg/kg	220	35.	2	08/04/15 14:54	08/05/15 23:39	EPA 3050B	1,6010C	MC
Selenium, Total	ND		mg/kg	1.7	0.26	2	08/04/15 14:54	08/05/15 23:39	EPA 3050B	1,6010C	MC
Silver, Total	ND		mg/kg	0.87	0.17	2	08/04/15 14:54	08/05/15 23:39	EPA 3050B	1,6010C	MC
Sodium, Total	270		mg/kg	170	26.	2	08/04/15 14:54	08/06/15 20:00	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.7	0.35	2	08/04/15 14:54	08/05/15 23:39	EPA 3050B	1,6010C	MC
Vanadium, Total	10		mg/kg	0.87	0.09	2	08/04/15 14:54	08/05/15 23:39	EPA 3050B	1,6010C	MC
Zinc, Total	91		mg/kg	4.4	0.61	2	08/04/15 14:54	08/05/15 23:39	EPA 3050B	1,6010C	MC



Project Name: 15 LARIVIERE + 20 WILKESON

Lab Number: L1518182

Project Number: 0136-013-002

Report Date: 08/11/15

SAMPLE RESULTS

Lab ID: L1518182-15

Date Collected: 07/31/15 16:00

Client ID: SB-18 (1-8.5')

Date Received: 08/03/15

Sample Location: 15 LARIVIERE DR.+20 WILKESON W

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 88%

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	08/04/15 14:54	08/05/15 23:43	EPA 3050B	1,6010C	MC
Antimony, Total	ND		mg/kg	4.2	0.68	2	08/04/15 14:54	08/05/15 23:43	EPA 3050B	1,6010C	MC
Arsenic, Total	2.7		mg/kg	0.85	0.17	2	08/04/15 14:54	08/05/15 23:43	EPA 3050B	1,6010C	MC
Barium, Total	50		mg/kg	0.85	0.25	2	08/04/15 14:54	08/05/15 23:43	EPA 3050B	1,6010C	MC
Beryllium, Total	0.24	J	mg/kg	0.42	0.09	2	08/04/15 14:54	08/05/15 23:43	EPA 3050B	1,6010C	MC
Cadmium, Total	0.09	J	mg/kg	0.85	0.06	2	08/04/15 14:54	08/05/15 23:43	EPA 3050B	1,6010C	MC
Calcium, Total	57000		mg/kg	8.5	2.5	2	08/04/15 14:54	08/06/15 20:04	EPA 3050B	1,6010C	TT
Chromium, Total	8.5		mg/kg	0.85	0.17	2	08/04/15 14:54	08/05/15 23:43	EPA 3050B	1,6010C	MC
Cobalt, Total	4.4		mg/kg	1.7	0.42	2	08/04/15 14:54	08/05/15 23:43	EPA 3050B	1,6010C	MC
Copper, Total	15		mg/kg	0.85	0.17	2	08/04/15 14:54	08/05/15 23:43	EPA 3050B	1,6010C	MC
Iron, Total	11000		mg/kg	4.2	1.7	2	08/04/15 14:54	08/05/15 23:43	EPA 3050B	1,6010C	MC
Lead, Total	37		mg/kg	4.2	0.17	2	08/04/15 14:54	08/05/15 23:43	EPA 3050B	1,6010C	MC
Magnesium, Total	20000		mg/kg	8.5	0.85	2	08/04/15 14:54	08/06/15 20:04	EPA 3050B	1,6010C	TT
Manganese, Total	340		mg/kg	0.85	0.17	2	08/04/15 14:54	08/05/15 23:43	EPA 3050B	1,6010C	MC
Mercury, Total	0.08		mg/kg	0.08	0.02	1	08/05/15 07:10	08/05/15 20:45	EPA 7471B	1,7471B	EA
Nickel, Total	10		mg/kg	2.1	0.34	2	08/04/15 14:54	08/05/15 23:43	EPA 3050B	1,6010C	MC
Potassium, Total	930		mg/kg	210	34.	2	08/04/15 14:54	08/05/15 23:43	EPA 3050B	1,6010C	MC
Selenium, Total	ND		mg/kg	1.7	0.25	2	08/04/15 14:54	08/05/15 23:43	EPA 3050B	1,6010C	MC
Silver, Total	ND		mg/kg	0.85	0.17	2	08/04/15 14:54	08/05/15 23:43	EPA 3050B	1,6010C	MC
Sodium, Total	380		mg/kg	170	25.	2	08/04/15 14:54	08/06/15 20:04	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.7	0.34	2	08/04/15 14:54	08/05/15 23:43	EPA 3050B	1,6010C	MC
Vanadium, Total	13		mg/kg	0.85	0.09	2	08/04/15 14:54	08/05/15 23:43	EPA 3050B	1,6010C	MC
Zinc, Total	88		mg/kg	4.2	0.59	2	08/04/15 14:54	08/05/15 23:43	EPA 3050B	1,6010C	MC



Project Name: 15 LARIVIERE + 20 WILKESON

Lab Number: L1518182

Project Number: 0136-013-002

Report Date: 08/11/15

SAMPLE RESULTS

Lab ID: L1518182-17

Date Collected: 07/31/15 09:30

Client ID: SB-19 (1-4')

Date Received: 08/03/15

Sample Location: 15 LARIVIERE DR.+20 WILKESON W

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	11000		mg/kg	8.8	1.8	2	08/04/15 14:54	08/05/15 23:47	EPA 3050B	1,6010C	MC
Antimony, Total	ND		mg/kg	4.4	0.70	2	08/04/15 14:54	08/05/15 23:47	EPA 3050B	1,6010C	MC
Arsenic, Total	12		mg/kg	0.88	0.18	2	08/04/15 14:54	08/05/15 23:47	EPA 3050B	1,6010C	MC
Barium, Total	100		mg/kg	0.88	0.26	2	08/04/15 14:54	08/05/15 23:47	EPA 3050B	1,6010C	MC
Beryllium, Total	1.0		mg/kg	0.44	0.09	2	08/04/15 14:54	08/05/15 23:47	EPA 3050B	1,6010C	MC
Cadmium, Total	1.5		mg/kg	0.88	0.06	2	08/04/15 14:54	08/05/15 23:47	EPA 3050B	1,6010C	MC
Calcium, Total	45000		mg/kg	8.8	2.6	2	08/04/15 14:54	08/06/15 20:08	EPA 3050B	1,6010C	TT
Chromium, Total	48		mg/kg	0.88	0.18	2	08/04/15 14:54	08/05/15 23:47	EPA 3050B	1,6010C	MC
Cobalt, Total	5.4		mg/kg	1.8	0.44	2	08/04/15 14:54	08/05/15 23:47	EPA 3050B	1,6010C	MC
Copper, Total	44		mg/kg	0.88	0.18	2	08/04/15 14:54	08/05/15 23:47	EPA 3050B	1,6010C	MC
Iron, Total	15000		mg/kg	4.4	1.8	2	08/04/15 14:54	08/05/15 23:47	EPA 3050B	1,6010C	MC
Lead, Total	130		mg/kg	4.4	0.18	2	08/04/15 14:54	08/05/15 23:47	EPA 3050B	1,6010C	MC
Magnesium, Total	12000		mg/kg	8.8	0.88	2	08/04/15 14:54	08/06/15 20:08	EPA 3050B	1,6010C	TT
Manganese, Total	500		mg/kg	0.88	0.18	2	08/04/15 14:54	08/05/15 23:47	EPA 3050B	1,6010C	MC
Mercury, Total	0.23		mg/kg	0.08	0.02	1	08/05/15 07:10	08/05/15 20:51	EPA 7471B	1,7471B	EA
Nickel, Total	16		mg/kg	2.2	0.35	2	08/04/15 14:54	08/05/15 23:47	EPA 3050B	1,6010C	MC
Potassium, Total	1400		mg/kg	220	35.	2	08/04/15 14:54	08/05/15 23:47	EPA 3050B	1,6010C	MC
Selenium, Total	ND		mg/kg	1.8	0.26	2	08/04/15 14:54	08/05/15 23:47	EPA 3050B	1,6010C	MC
Silver, Total	0.27	J	mg/kg	0.88	0.18	2	08/04/15 14:54	08/05/15 23:47	EPA 3050B	1,6010C	MC
Sodium, Total	390		mg/kg	180	26.	2	08/04/15 14:54	08/06/15 20:08	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.8	0.35	2	08/04/15 14:54	08/05/15 23:47	EPA 3050B	1,6010C	MC
Vanadium, Total	18		mg/kg	0.88	0.09	2	08/04/15 14:54	08/05/15 23:47	EPA 3050B	1,6010C	MC
Zinc, Total	200		mg/kg	4.4	0.62	2	08/04/15 14:54	08/05/15 23:47	EPA 3050B	1,6010C	MC



Project Name: 15 LARIVIERE + 20 WILKESON

Lab Number: L1518182

Project Number: 0136-013-002

Report Date: 08/11/15

SAMPLE RESULTS

Lab ID: L1518182-18

Date Collected: 07/31/15 12:00

Client ID: SB-26 (4-8')

Date Received: 08/03/15

Sample Location: 15 LARIVIERE DR.+20 WILKESON W

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3500		mg/kg	9.9	2.0	2	08/04/15 14:54	08/05/15 23:51	EPA 3050B	1,6010C	MC
Antimony, Total	ND		mg/kg	5.0	0.79	2	08/04/15 14:54	08/05/15 23:51	EPA 3050B	1,6010C	MC
Arsenic, Total	4.5		mg/kg	0.99	0.20	2	08/04/15 14:54	08/05/15 23:51	EPA 3050B	1,6010C	MC
Barium, Total	48		mg/kg	0.99	0.30	2	08/04/15 14:54	08/05/15 23:51	EPA 3050B	1,6010C	MC
Beryllium, Total	0.25	J	mg/kg	0.50	0.10	2	08/04/15 14:54	08/05/15 23:51	EPA 3050B	1,6010C	MC
Cadmium, Total	0.07	J	mg/kg	0.99	0.07	2	08/04/15 14:54	08/05/15 23:51	EPA 3050B	1,6010C	MC
Calcium, Total	34000		mg/kg	9.9	3.0	2	08/04/15 14:54	08/06/15 20:12	EPA 3050B	1,6010C	TT
Chromium, Total	10		mg/kg	0.99	0.20	2	08/04/15 14:54	08/05/15 23:51	EPA 3050B	1,6010C	MC
Cobalt, Total	3.9		mg/kg	2.0	0.50	2	08/04/15 14:54	08/05/15 23:51	EPA 3050B	1,6010C	MC
Copper, Total	28		mg/kg	0.99	0.20	2	08/04/15 14:54	08/05/15 23:51	EPA 3050B	1,6010C	MC
Iron, Total	14000		mg/kg	5.0	2.0	2	08/04/15 14:54	08/05/15 23:51	EPA 3050B	1,6010C	MC
Lead, Total	33		mg/kg	5.0	0.20	2	08/04/15 14:54	08/05/15 23:51	EPA 3050B	1,6010C	MC
Magnesium, Total	6700		mg/kg	9.9	0.99	2	08/04/15 14:54	08/06/15 20:12	EPA 3050B	1,6010C	TT
Manganese, Total	130		mg/kg	0.99	0.20	2	08/04/15 14:54	08/05/15 23:51	EPA 3050B	1,6010C	MC
Mercury, Total	0.07	J	mg/kg	0.08	0.02	1	08/05/15 07:10	08/05/15 20:53	EPA 7471B	1,7471B	EA
Nickel, Total	12		mg/kg	2.5	0.40	2	08/04/15 14:54	08/05/15 23:51	EPA 3050B	1,6010C	MC
Potassium, Total	670		mg/kg	250	40.	2	08/04/15 14:54	08/05/15 23:51	EPA 3050B	1,6010C	MC
Selenium, Total	0.38	J	mg/kg	2.0	0.30	2	08/04/15 14:54	08/05/15 23:51	EPA 3050B	1,6010C	MC
Silver, Total	ND		mg/kg	0.99	0.20	2	08/04/15 14:54	08/05/15 23:51	EPA 3050B	1,6010C	MC
Sodium, Total	300		mg/kg	200	30.	2	08/04/15 14:54	08/06/15 20:12	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	2.0	0.40	2	08/04/15 14:54	08/05/15 23:51	EPA 3050B	1,6010C	MC
Vanadium, Total	12		mg/kg	0.99	0.10	2	08/04/15 14:54	08/05/15 23:51	EPA 3050B	1,6010C	MC
Zinc, Total	130		mg/kg	5.0	0.69	2	08/04/15 14:54	08/05/15 23:51	EPA 3050B	1,6010C	MC



Project Name: 15 LARIVIERE + 20 WILKESON

Lab Number: L1518182

Project Number: 0136-013-002

Report Date: 08/11/15

SAMPLE RESULTS

Lab ID: L1518182-19

Date Collected: 07/31/15 10:00

Client ID: SB-20 (1-6')

Date Received: 08/03/15

Sample Location: 15 LARIVIERE DR.+20 WILKESON W

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5900		mg/kg	8.6	1.7	2	08/04/15 14:54	08/05/15 23:54	EPA 3050B	1,6010C	MC
Antimony, Total	ND		mg/kg	4.3	0.69	2	08/04/15 14:54	08/05/15 23:54	EPA 3050B	1,6010C	MC
Arsenic, Total	3.9		mg/kg	0.86	0.17	2	08/04/15 14:54	08/05/15 23:54	EPA 3050B	1,6010C	MC
Barium, Total	57		mg/kg	0.86	0.26	2	08/04/15 14:54	08/05/15 23:54	EPA 3050B	1,6010C	MC
Beryllium, Total	0.32	J	mg/kg	0.43	0.09	2	08/04/15 14:54	08/05/15 23:54	EPA 3050B	1,6010C	MC
Cadmium, Total	1.1		mg/kg	0.86	0.06	2	08/04/15 14:54	08/05/15 23:54	EPA 3050B	1,6010C	MC
Calcium, Total	29000		mg/kg	8.6	2.6	2	08/04/15 14:54	08/06/15 22:18	EPA 3050B	1,6010C	TT
Chromium, Total	18		mg/kg	0.86	0.17	2	08/04/15 14:54	08/05/15 23:54	EPA 3050B	1,6010C	MC
Cobalt, Total	7.2		mg/kg	1.7	0.43	2	08/04/15 14:54	08/05/15 23:54	EPA 3050B	1,6010C	MC
Copper, Total	30		mg/kg	0.86	0.17	2	08/04/15 14:54	08/05/15 23:54	EPA 3050B	1,6010C	MC
Iron, Total	12000		mg/kg	4.3	1.7	2	08/04/15 14:54	08/05/15 23:54	EPA 3050B	1,6010C	MC
Lead, Total	73		mg/kg	4.3	0.17	2	08/04/15 14:54	08/05/15 23:54	EPA 3050B	1,6010C	MC
Magnesium, Total	11000		mg/kg	8.6	0.86	2	08/04/15 14:54	08/06/15 22:18	EPA 3050B	1,6010C	TT
Manganese, Total	450		mg/kg	0.86	0.17	2	08/04/15 14:54	08/05/15 23:54	EPA 3050B	1,6010C	MC
Mercury, Total	1.6		mg/kg	0.08	0.02	1	08/05/15 07:10	08/05/15 20:54	EPA 7471B	1,7471B	EA
Nickel, Total	12		mg/kg	2.2	0.34	2	08/04/15 14:54	08/05/15 23:54	EPA 3050B	1,6010C	MC
Potassium, Total	750		mg/kg	220	34.	2	08/04/15 14:54	08/05/15 23:54	EPA 3050B	1,6010C	MC
Selenium, Total	ND		mg/kg	1.7	0.26	2	08/04/15 14:54	08/05/15 23:54	EPA 3050B	1,6010C	MC
Silver, Total	0.73	J	mg/kg	0.86	0.17	2	08/04/15 14:54	08/05/15 23:54	EPA 3050B	1,6010C	MC
Sodium, Total	140	J	mg/kg	170	26.	2	08/04/15 14:54	08/06/15 22:18	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.7	0.34	2	08/04/15 14:54	08/05/15 23:54	EPA 3050B	1,6010C	MC
Vanadium, Total	16		mg/kg	0.86	0.09	2	08/04/15 14:54	08/05/15 23:54	EPA 3050B	1,6010C	MC
Zinc, Total	100		mg/kg	4.3	0.60	2	08/04/15 14:54	08/05/15 23:54	EPA 3050B	1,6010C	MC



Project Name: 15 LARIVIERE + 20 WILKESON

Lab Number: L1518182

Project Number: 0136-013-002

Report Date: 08/11/15

SAMPLE RESULTS

Lab ID: L1518182-20

Date Collected: 07/31/15 10:40

Client ID: SB-21 (2-4')

Date Received: 08/03/15

Sample Location: 15 LARIVIERE DR.+20 WILKESON W

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6200		mg/kg	9.3	1.9	2	08/04/15 14:54	08/05/15 23:58	EPA 3050B	1,6010C	MC
Antimony, Total	ND		mg/kg	4.7	0.75	2	08/04/15 14:54	08/05/15 23:58	EPA 3050B	1,6010C	MC
Arsenic, Total	3.5		mg/kg	0.93	0.19	2	08/04/15 14:54	08/05/15 23:58	EPA 3050B	1,6010C	MC
Barium, Total	82		mg/kg	0.93	0.28	2	08/04/15 14:54	08/05/15 23:58	EPA 3050B	1,6010C	MC
Beryllium, Total	0.48		mg/kg	0.47	0.09	2	08/04/15 14:54	08/05/15 23:58	EPA 3050B	1,6010C	MC
Cadmium, Total	0.78	J	mg/kg	0.93	0.07	2	08/04/15 14:54	08/05/15 23:58	EPA 3050B	1,6010C	MC
Calcium, Total	47000		mg/kg	9.3	2.8	2	08/04/15 14:54	08/06/15 22:22	EPA 3050B	1,6010C	TT
Chromium, Total	14		mg/kg	0.93	0.19	2	08/04/15 14:54	08/05/15 23:58	EPA 3050B	1,6010C	MC
Cobalt, Total	3.5		mg/kg	1.9	0.47	2	08/04/15 14:54	08/05/15 23:58	EPA 3050B	1,6010C	MC
Copper, Total	23		mg/kg	0.93	0.19	2	08/04/15 14:54	08/05/15 23:58	EPA 3050B	1,6010C	MC
Iron, Total	11000		mg/kg	4.7	1.9	2	08/04/15 14:54	08/05/15 23:58	EPA 3050B	1,6010C	MC
Lead, Total	110		mg/kg	4.7	0.19	2	08/04/15 14:54	08/05/15 23:58	EPA 3050B	1,6010C	MC
Magnesium, Total	12000		mg/kg	9.3	0.93	2	08/04/15 14:54	08/06/15 22:22	EPA 3050B	1,6010C	TT
Manganese, Total	450		mg/kg	0.93	0.19	2	08/04/15 14:54	08/05/15 23:58	EPA 3050B	1,6010C	MC
Mercury, Total	0.19		mg/kg	0.08	0.02	1	08/05/15 07:10	08/05/15 20:56	EPA 7471B	1,7471B	EA
Nickel, Total	9.9		mg/kg	2.3	0.37	2	08/04/15 14:54	08/05/15 23:58	EPA 3050B	1,6010C	MC
Potassium, Total	810		mg/kg	230	37.	2	08/04/15 14:54	08/05/15 23:58	EPA 3050B	1,6010C	MC
Selenium, Total	ND		mg/kg	1.9	0.28	2	08/04/15 14:54	08/05/15 23:58	EPA 3050B	1,6010C	MC
Silver, Total	ND		mg/kg	0.93	0.19	2	08/04/15 14:54	08/05/15 23:58	EPA 3050B	1,6010C	MC
Sodium, Total	310		mg/kg	190	28.	2	08/04/15 14:54	08/06/15 22:22	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.9	0.37	2	08/04/15 14:54	08/05/15 23:58	EPA 3050B	1,6010C	MC
Vanadium, Total	15		mg/kg	0.93	0.09	2	08/04/15 14:54	08/05/15 23:58	EPA 3050B	1,6010C	MC
Zinc, Total	590		mg/kg	4.7	0.65	2	08/04/15 14:54	08/05/15 23:58	EPA 3050B	1,6010C	MC



Project Name: 15 LARIVIERE + 20 WILKESON

Lab Number: L1518182

Project Number: 0136-013-002

Report Date: 08/11/15

SAMPLE RESULTS

Lab ID: L1518182-22
 Client ID: SB-21 (18-20')
 Sample Location: 15 LARIVIERE DR.+20 WILKESON W
 Matrix: Soil
 Percent Solids: 63%

Date Collected: 07/31/15 11:05
 Date Received: 08/03/15
 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	12000		mg/kg	12	2.4	2	08/04/15 14:54	08/06/15 00:02	EPA 3050B	1,6010C	MC
Antimony, Total	1.0	J	mg/kg	6.0	0.96	2	08/04/15 14:54	08/06/15 00:02	EPA 3050B	1,6010C	MC
Arsenic, Total	14		mg/kg	1.2	0.24	2	08/04/15 14:54	08/06/15 00:02	EPA 3050B	1,6010C	MC
Barium, Total	110		mg/kg	1.2	0.36	2	08/04/15 14:54	08/06/15 00:02	EPA 3050B	1,6010C	MC
Beryllium, Total	0.66		mg/kg	0.60	0.12	2	08/04/15 14:54	08/06/15 00:02	EPA 3050B	1,6010C	MC
Cadmium, Total	3.6		mg/kg	1.2	0.08	2	08/04/15 14:54	08/06/15 00:02	EPA 3050B	1,6010C	MC
Calcium, Total	7600		mg/kg	12	3.6	2	08/04/15 14:54	08/06/15 22:26	EPA 3050B	1,6010C	TT
Chromium, Total	86		mg/kg	1.2	0.24	2	08/04/15 14:54	08/06/15 00:02	EPA 3050B	1,6010C	MC
Cobalt, Total	11		mg/kg	2.4	0.60	2	08/04/15 14:54	08/06/15 00:02	EPA 3050B	1,6010C	MC
Copper, Total	130		mg/kg	1.2	0.24	2	08/04/15 14:54	08/06/15 00:02	EPA 3050B	1,6010C	MC
Iron, Total	30000		mg/kg	6.0	2.4	2	08/04/15 14:54	08/06/15 00:02	EPA 3050B	1,6010C	MC
Lead, Total	240		mg/kg	6.0	0.24	2	08/04/15 14:54	08/06/15 00:02	EPA 3050B	1,6010C	MC
Magnesium, Total	6400		mg/kg	12	1.2	2	08/04/15 14:54	08/06/15 22:26	EPA 3050B	1,6010C	TT
Manganese, Total	260		mg/kg	1.2	0.24	2	08/04/15 14:54	08/06/15 00:02	EPA 3050B	1,6010C	MC
Mercury, Total	2.6		mg/kg	0.11	0.02	1	08/05/15 07:10	08/05/15 20:58	EPA 7471B	1,7471B	EA
Nickel, Total	37		mg/kg	3.0	0.48	2	08/04/15 14:54	08/06/15 00:02	EPA 3050B	1,6010C	MC
Potassium, Total	1100		mg/kg	300	48.	2	08/04/15 14:54	08/06/15 00:02	EPA 3050B	1,6010C	MC
Selenium, Total	0.93	J	mg/kg	2.4	0.36	2	08/04/15 14:54	08/06/15 00:02	EPA 3050B	1,6010C	MC
Silver, Total	0.56	J	mg/kg	1.2	0.24	2	08/04/15 14:54	08/06/15 00:02	EPA 3050B	1,6010C	MC
Sodium, Total	230	J	mg/kg	240	36.	2	08/04/15 14:54	08/06/15 22:26	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	2.4	0.48	2	08/04/15 14:54	08/06/15 00:02	EPA 3050B	1,6010C	MC
Vanadium, Total	22		mg/kg	1.2	0.12	2	08/04/15 14:54	08/06/15 00:02	EPA 3050B	1,6010C	MC
Zinc, Total	830		mg/kg	6.0	0.84	2	08/04/15 14:54	08/06/15 00:02	EPA 3050B	1,6010C	MC



Project Name: 15 LARIVIERE + 20 WILKESON

Lab Number: L1518182

Project Number: 0136-013-002

Report Date: 08/11/15

SAMPLE RESULTS

Lab ID: L1518182-24

Date Collected: 07/31/15 14:00

Client ID: SB-22 (3-9')

Date Received: 08/03/15

Sample Location: 15 LARIVIERE DR.+20 WILKESON W

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4700		mg/kg	9.3	1.8	2	08/04/15 14:54	08/06/15 00:06	EPA 3050B	1,6010C	MC
Antimony, Total	ND		mg/kg	4.6	0.74	2	08/04/15 14:54	08/06/15 00:06	EPA 3050B	1,6010C	MC
Arsenic, Total	4.2		mg/kg	0.93	0.18	2	08/04/15 14:54	08/06/15 00:06	EPA 3050B	1,6010C	MC
Barium, Total	54		mg/kg	0.93	0.28	2	08/04/15 14:54	08/06/15 00:06	EPA 3050B	1,6010C	MC
Beryllium, Total	0.32	J	mg/kg	0.46	0.09	2	08/04/15 14:54	08/06/15 00:06	EPA 3050B	1,6010C	MC
Cadmium, Total	ND		mg/kg	0.93	0.07	2	08/04/15 14:54	08/06/15 00:06	EPA 3050B	1,6010C	MC
Calcium, Total	22000		mg/kg	9.3	2.8	2	08/04/15 14:54	08/06/15 22:30	EPA 3050B	1,6010C	TT
Chromium, Total	8.4		mg/kg	0.93	0.18	2	08/04/15 14:54	08/06/15 00:06	EPA 3050B	1,6010C	MC
Cobalt, Total	4.9		mg/kg	1.8	0.46	2	08/04/15 14:54	08/06/15 00:06	EPA 3050B	1,6010C	MC
Copper, Total	20		mg/kg	0.93	0.18	2	08/04/15 14:54	08/06/15 00:06	EPA 3050B	1,6010C	MC
Iron, Total	11000		mg/kg	4.6	1.8	2	08/04/15 14:54	08/06/15 00:06	EPA 3050B	1,6010C	MC
Lead, Total	40		mg/kg	4.6	0.18	2	08/04/15 14:54	08/06/15 00:06	EPA 3050B	1,6010C	MC
Magnesium, Total	3500		mg/kg	9.3	0.93	2	08/04/15 14:54	08/06/15 22:30	EPA 3050B	1,6010C	TT
Manganese, Total	130		mg/kg	0.93	0.18	2	08/04/15 14:54	08/06/15 00:06	EPA 3050B	1,6010C	MC
Mercury, Total	0.56		mg/kg	0.08	0.02	1	08/05/15 07:10	08/05/15 21:08	EPA 7471B	1,7471B	EA
Nickel, Total	13		mg/kg	2.3	0.37	2	08/04/15 14:54	08/06/15 00:06	EPA 3050B	1,6010C	MC
Potassium, Total	630		mg/kg	230	37.	2	08/04/15 14:54	08/06/15 00:06	EPA 3050B	1,6010C	MC
Selenium, Total	0.30	J	mg/kg	1.8	0.28	2	08/04/15 14:54	08/06/15 00:06	EPA 3050B	1,6010C	MC
Silver, Total	ND		mg/kg	0.93	0.18	2	08/04/15 14:54	08/06/15 00:06	EPA 3050B	1,6010C	MC
Sodium, Total	310		mg/kg	180	28.	2	08/04/15 14:54	08/06/15 22:30	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.8	0.37	2	08/04/15 14:54	08/06/15 00:06	EPA 3050B	1,6010C	MC
Vanadium, Total	12		mg/kg	0.93	0.09	2	08/04/15 14:54	08/06/15 00:06	EPA 3050B	1,6010C	MC
Zinc, Total	62		mg/kg	4.6	0.65	2	08/04/15 14:54	08/06/15 00:06	EPA 3050B	1,6010C	MC



Project Name: 15 LARIVIERE + 20 WILKESON

Lab Number: L1518182

Project Number: 0136-013-002

Report Date: 08/11/15

SAMPLE RESULTS

Lab ID: L1518182-25

Date Collected: 07/31/15 13:00

Client ID: SB-23 (4-8')

Date Received: 08/03/15

Sample Location: 15 LARIVIERE DR.+20 WILKESON W

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	8800		mg/kg	9.3	1.8	2	08/04/15 14:54	08/07/15 19:26	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.6	0.74	2	08/04/15 14:54	08/06/15 00:29	EPA 3050B	1,6010C	MC
Arsenic, Total	7.8		mg/kg	0.93	0.18	2	08/04/15 14:54	08/06/15 00:29	EPA 3050B	1,6010C	MC
Barium, Total	96		mg/kg	0.93	0.28	2	08/04/15 14:54	08/06/15 00:29	EPA 3050B	1,6010C	MC
Beryllium, Total	0.29	J	mg/kg	0.46	0.09	2	08/04/15 14:54	08/06/15 00:29	EPA 3050B	1,6010C	MC
Cadmium, Total	0.23	J	mg/kg	0.93	0.07	2	08/04/15 14:54	08/06/15 00:29	EPA 3050B	1,6010C	MC
Calcium, Total	75000		mg/kg	9.3	2.8	2	08/04/15 14:54	08/07/15 19:26	EPA 3050B	1,6010C	TT
Chromium, Total	12		mg/kg	0.93	0.18	2	08/04/15 14:54	08/06/15 00:29	EPA 3050B	1,6010C	MC
Cobalt, Total	4.0		mg/kg	1.8	0.46	2	08/04/15 14:54	08/06/15 00:29	EPA 3050B	1,6010C	MC
Copper, Total	22		mg/kg	0.93	0.18	2	08/04/15 14:54	08/06/15 00:29	EPA 3050B	1,6010C	MC
Iron, Total	13000		mg/kg	4.6	1.8	2	08/04/15 14:54	08/07/15 19:26	EPA 3050B	1,6010C	TT
Lead, Total	60		mg/kg	4.6	0.18	2	08/04/15 14:54	08/06/15 00:29	EPA 3050B	1,6010C	MC
Magnesium, Total	6200		mg/kg	9.3	0.93	2	08/04/15 14:54	08/07/15 19:26	EPA 3050B	1,6010C	TT
Manganese, Total	260		mg/kg	0.93	0.18	2	08/04/15 14:54	08/06/15 00:29	EPA 3050B	1,6010C	MC
Mercury, Total	0.15		mg/kg	0.08	0.02	1	08/05/15 07:10	08/05/15 21:09	EPA 7471B	1,7471B	EA
Nickel, Total	12		mg/kg	2.3	0.37	2	08/04/15 14:54	08/06/15 00:29	EPA 3050B	1,6010C	MC
Potassium, Total	1100		mg/kg	230	37.	2	08/04/15 14:54	08/06/15 00:29	EPA 3050B	1,6010C	MC
Selenium, Total	ND		mg/kg	1.8	0.28	2	08/04/15 14:54	08/06/15 00:29	EPA 3050B	1,6010C	MC
Silver, Total	ND		mg/kg	0.93	0.18	2	08/04/15 14:54	08/06/15 00:29	EPA 3050B	1,6010C	MC
Sodium, Total	760		mg/kg	180	28.	2	08/04/15 14:54	08/07/15 19:26	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.8	0.37	2	08/04/15 14:54	08/06/15 00:29	EPA 3050B	1,6010C	MC
Vanadium, Total	21		mg/kg	0.93	0.09	2	08/04/15 14:54	08/06/15 00:29	EPA 3050B	1,6010C	MC
Zinc, Total	160		mg/kg	4.6	0.65	2	08/04/15 14:54	08/06/15 00:29	EPA 3050B	1,6010C	MC



Project Name: 15 LARIVIERE + 20 WILKESON

Lab Number: L1518182

Project Number: 0136-013-002

Report Date: 08/11/15

SAMPLE RESULTS

Lab ID: L1518182-26
 Client ID: SB-24 (3.5-8')
 Sample Location: 15 LARIVIERE DR.+20 WILKESON W
 Matrix: Soil
 Percent Solids: 78%

Date Collected: 07/31/15 13:30
 Date Received: 08/03/15
 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	8300		mg/kg	9.7	1.9	2	08/04/15 14:54	08/07/15 19:30	EPA 3050B	1,6010C	TT
Antimony, Total	15		mg/kg	4.8	0.77	2	08/04/15 14:54	08/06/15 00:33	EPA 3050B	1,6010C	MC
Arsenic, Total	3100		mg/kg	0.97	0.19	2	08/04/15 14:54	08/06/15 00:33	EPA 3050B	1,6010C	MC
Barium, Total	90		mg/kg	0.97	0.29	2	08/04/15 14:54	08/06/15 00:33	EPA 3050B	1,6010C	MC
Beryllium, Total	1.5		mg/kg	0.48	0.10	2	08/04/15 14:54	08/06/15 00:33	EPA 3050B	1,6010C	MC
Cadmium, Total	0.28	J	mg/kg	0.97	0.07	2	08/04/15 14:54	08/06/15 00:33	EPA 3050B	1,6010C	MC
Calcium, Total	4800		mg/kg	9.7	2.9	2	08/04/15 14:54	08/07/15 19:30	EPA 3050B	1,6010C	TT
Chromium, Total	94		mg/kg	0.97	0.19	2	08/04/15 14:54	08/06/15 00:33	EPA 3050B	1,6010C	MC
Cobalt, Total	9.7		mg/kg	1.9	0.48	2	08/04/15 14:54	08/06/15 00:33	EPA 3050B	1,6010C	MC
Copper, Total	140		mg/kg	0.97	0.19	2	08/04/15 14:54	08/06/15 00:33	EPA 3050B	1,6010C	MC
Iron, Total	140000		mg/kg	480	190	200	08/04/15 14:54	08/06/15 22:14	EPA 3050B	1,6010C	TT
Lead, Total	140		mg/kg	4.8	0.19	2	08/04/15 14:54	08/06/15 00:33	EPA 3050B	1,6010C	MC
Magnesium, Total	680		mg/kg	9.7	0.97	2	08/04/15 14:54	08/07/15 19:30	EPA 3050B	1,6010C	TT
Manganese, Total	200		mg/kg	0.97	0.19	2	08/04/15 14:54	08/06/15 00:33	EPA 3050B	1,6010C	MC
Mercury, Total	0.10		mg/kg	0.08	0.02	1	08/05/15 07:10	08/05/15 21:11	EPA 7471B	1,7471B	EA
Nickel, Total	32		mg/kg	2.4	0.39	2	08/04/15 14:54	08/06/15 00:33	EPA 3050B	1,6010C	MC
Potassium, Total	2800		mg/kg	240	39.	2	08/04/15 14:54	08/06/15 00:33	EPA 3050B	1,6010C	MC
Selenium, Total	79		mg/kg	1.9	0.29	2	08/04/15 14:54	08/06/15 00:33	EPA 3050B	1,6010C	MC
Silver, Total	ND		mg/kg	0.97	0.19	2	08/04/15 14:54	08/06/15 00:33	EPA 3050B	1,6010C	MC
Sodium, Total	610		mg/kg	190	29.	2	08/04/15 14:54	08/07/15 19:30	EPA 3050B	1,6010C	TT
Thallium, Total	15		mg/kg	1.9	0.39	2	08/04/15 14:54	08/06/15 00:33	EPA 3050B	1,6010C	MC
Vanadium, Total	370		mg/kg	0.97	0.10	2	08/04/15 14:54	08/06/15 00:33	EPA 3050B	1,6010C	MC
Zinc, Total	380		mg/kg	4.8	0.68	2	08/04/15 14:54	08/06/15 00:33	EPA 3050B	1,6010C	MC



Project Name: 15 LARIVIERE + 20 WILKESON

Lab Number: L1518182

Project Number: 0136-013-002

Report Date: 08/11/15

SAMPLE RESULTS

Lab ID: L1518182-27

Date Collected: 07/31/15 14:45

Client ID: SB-25 (2-5')

Date Received: 08/03/15

Sample Location: 15 LARIVIERE DR.+20 WILKESON W

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7100		mg/kg	9.0	1.8	2	08/04/15 14:54	08/06/15 22:34	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.5	0.72	2	08/04/15 14:54	08/06/15 00:37	EPA 3050B	1,6010C	MC
Arsenic, Total	4.6		mg/kg	0.90	0.18	2	08/04/15 14:54	08/06/15 00:37	EPA 3050B	1,6010C	MC
Barium, Total	74		mg/kg	0.90	0.27	2	08/04/15 14:54	08/06/15 00:37	EPA 3050B	1,6010C	MC
Beryllium, Total	0.28	J	mg/kg	0.45	0.09	2	08/04/15 14:54	08/06/15 00:37	EPA 3050B	1,6010C	MC
Cadmium, Total	0.11	J	mg/kg	0.90	0.06	2	08/04/15 14:54	08/06/15 00:37	EPA 3050B	1,6010C	MC
Calcium, Total	64000		mg/kg	9.0	2.7	2	08/04/15 14:54	08/06/15 22:34	EPA 3050B	1,6010C	TT
Chromium, Total	11		mg/kg	0.90	0.18	2	08/04/15 14:54	08/06/15 00:37	EPA 3050B	1,6010C	MC
Cobalt, Total	3.4		mg/kg	1.8	0.45	2	08/04/15 14:54	08/06/15 00:37	EPA 3050B	1,6010C	MC
Copper, Total	16		mg/kg	0.90	0.18	2	08/04/15 14:54	08/06/15 00:37	EPA 3050B	1,6010C	MC
Iron, Total	11000		mg/kg	4.5	1.8	2	08/04/15 14:54	08/06/15 22:34	EPA 3050B	1,6010C	TT
Lead, Total	54		mg/kg	4.5	0.18	2	08/04/15 14:54	08/06/15 00:37	EPA 3050B	1,6010C	MC
Magnesium, Total	20000		mg/kg	9.0	0.90	2	08/04/15 14:54	08/06/15 22:34	EPA 3050B	1,6010C	TT
Manganese, Total	260		mg/kg	0.90	0.18	2	08/04/15 14:54	08/06/15 00:37	EPA 3050B	1,6010C	MC
Mercury, Total	0.24		mg/kg	0.08	0.02	1	08/05/15 07:10	08/05/15 21:13	EPA 7471B	1,7471B	EA
Nickel, Total	9.0		mg/kg	2.2	0.36	2	08/04/15 14:54	08/06/15 00:37	EPA 3050B	1,6010C	MC
Potassium, Total	930		mg/kg	220	36.	2	08/04/15 14:54	08/06/15 00:37	EPA 3050B	1,6010C	MC
Selenium, Total	ND		mg/kg	1.8	0.27	2	08/04/15 14:54	08/06/15 00:37	EPA 3050B	1,6010C	MC
Silver, Total	ND		mg/kg	0.90	0.18	2	08/04/15 14:54	08/06/15 00:37	EPA 3050B	1,6010C	MC
Sodium, Total	490		mg/kg	180	27.	2	08/04/15 14:54	08/06/15 22:34	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.8	0.36	2	08/04/15 14:54	08/06/15 00:37	EPA 3050B	1,6010C	MC
Vanadium, Total	15		mg/kg	0.90	0.09	2	08/04/15 14:54	08/06/15 00:37	EPA 3050B	1,6010C	MC
Zinc, Total	79		mg/kg	4.5	0.63	2	08/04/15 14:54	08/06/15 00:37	EPA 3050B	1,6010C	MC



Project Name: 15 LARIVIERE + 20 WILKESON

Lab Number: L1518182

Project Number: 0136-013-002

Report Date: 08/11/15

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): 01,03,05,07 Batch: WG808729-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	08/04/15 08:12	08/06/15 11:18	1,6010C	TT
Antimony, Total	ND		mg/kg	2.0	0.32	1	08/04/15 08:12	08/06/15 11:18	1,6010C	TT
Arsenic, Total	ND		mg/kg	0.40	0.08	1	08/04/15 08:12	08/06/15 11:18	1,6010C	TT
Barium, Total	ND		mg/kg	0.40	0.12	1	08/04/15 08:12	08/06/15 11:18	1,6010C	TT
Beryllium, Total	ND		mg/kg	0.20	0.04	1	08/04/15 08:12	08/06/15 11:18	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.40	0.03	1	08/04/15 08:12	08/06/15 11:18	1,6010C	TT
Calcium, Total	ND		mg/kg	4.0	1.2	1	08/04/15 08:12	08/06/15 11:18	1,6010C	TT
Chromium, Total	ND		mg/kg	0.40	0.08	1	08/04/15 08:12	08/06/15 11:18	1,6010C	TT
Cobalt, Total	ND		mg/kg	0.80	0.20	1	08/04/15 08:12	08/06/15 11:18	1,6010C	TT
Copper, Total	0.12	J	mg/kg	0.40	0.08	1	08/04/15 08:12	08/06/15 11:18	1,6010C	TT
Iron, Total	ND		mg/kg	2.0	0.80	1	08/04/15 08:12	08/06/15 11:18	1,6010C	TT
Lead, Total	ND		mg/kg	2.0	0.08	1	08/04/15 08:12	08/06/15 11:18	1,6010C	TT
Magnesium, Total	ND		mg/kg	4.0	0.40	1	08/04/15 08:12	08/06/15 11:18	1,6010C	TT
Manganese, Total	ND		mg/kg	0.40	0.08	1	08/04/15 08:12	08/06/15 11:18	1,6010C	TT
Nickel, Total	ND		mg/kg	1.0	0.16	1	08/04/15 08:12	08/06/15 11:18	1,6010C	TT
Potassium, Total	ND		mg/kg	100	16.	1	08/04/15 08:12	08/06/15 11:18	1,6010C	TT
Selenium, Total	ND		mg/kg	0.80	0.12	1	08/04/15 08:12	08/06/15 11:18	1,6010C	TT
Silver, Total	ND		mg/kg	0.40	0.08	1	08/04/15 08:12	08/06/15 11:18	1,6010C	TT
Sodium, Total	ND		mg/kg	80	12.	1	08/04/15 08:12	08/06/15 11:18	1,6010C	TT
Thallium, Total	ND		mg/kg	0.80	0.16	1	08/04/15 08:12	08/06/15 11:18	1,6010C	TT
Vanadium, Total	ND		mg/kg	0.40	0.04	1	08/04/15 08:12	08/06/15 11:18	1,6010C	TT
Zinc, Total	ND		mg/kg	2.0	0.28	1	08/04/15 08:12	08/06/15 11:18	1,6010C	TT

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 09,11,13-15,17-20,22,24-27 Batch: WG808912-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	08/04/15 14:54	08/05/15 22:52	1,6010C	MC
Antimony, Total	ND		mg/kg	2.0	0.32	1	08/04/15 14:54	08/05/15 22:52	1,6010C	MC
Arsenic, Total	0.20	J	mg/kg	0.40	0.08	1	08/04/15 14:54	08/05/15 22:52	1,6010C	MC
Barium, Total	ND		mg/kg	0.40	0.12	1	08/04/15 14:54	08/05/15 22:52	1,6010C	MC



Project Name: 15 LARIVIERE + 20 WILKESON

Lab Number: L1518182

Project Number: 0136-013-002

Report Date: 08/11/15

Method Blank Analysis Batch Quality Control

Beryllium, Total	ND	mg/kg	0.20	0.04	1	08/04/15 14:54	08/05/15 22:52	1,6010C	MC
Cadmium, Total	ND	mg/kg	0.40	0.03	1	08/04/15 14:54	08/05/15 22:52	1,6010C	MC
Calcium, Total	ND	mg/kg	4.0	1.2	1	08/04/15 14:54	08/06/15 19:05	1,6010C	TT
Chromium, Total	ND	mg/kg	0.40	0.08	1	08/04/15 14:54	08/05/15 22:52	1,6010C	MC
Cobalt, Total	ND	mg/kg	0.80	0.20	1	08/04/15 14:54	08/05/15 22:52	1,6010C	MC
Copper, Total	ND	mg/kg	0.40	0.08	1	08/04/15 14:54	08/05/15 22:52	1,6010C	MC
Iron, Total	ND	mg/kg	2.0	0.80	1	08/04/15 14:54	08/05/15 22:52	1,6010C	MC
Lead, Total	ND	mg/kg	2.0	0.08	1	08/04/15 14:54	08/05/15 22:52	1,6010C	MC
Magnesium, Total	ND	mg/kg	4.0	0.40	1	08/04/15 14:54	08/06/15 19:05	1,6010C	TT
Manganese, Total	ND	mg/kg	0.40	0.08	1	08/04/15 14:54	08/05/15 22:52	1,6010C	MC
Nickel, Total	ND	mg/kg	1.0	0.16	1	08/04/15 14:54	08/05/15 22:52	1,6010C	MC
Potassium, Total	ND	mg/kg	100	16.	1	08/04/15 14:54	08/05/15 22:52	1,6010C	MC
Selenium, Total	ND	mg/kg	0.80	0.12	1	08/04/15 14:54	08/05/15 22:52	1,6010C	MC
Silver, Total	ND	mg/kg	0.40	0.08	1	08/04/15 14:54	08/05/15 22:52	1,6010C	MC
Sodium, Total	ND	mg/kg	80	12.	1	08/04/15 14:54	08/05/15 22:52	1,6010C	MC
Thallium, Total	ND	mg/kg	0.80	0.16	1	08/04/15 14:54	08/05/15 22:52	1,6010C	MC
Vanadium, Total	ND	mg/kg	0.40	0.04	1	08/04/15 14:54	08/05/15 22:52	1,6010C	MC
Zinc, Total	ND	mg/kg	2.0	0.28	1	08/04/15 14:54	08/05/15 22:52	1,6010C	MC

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01,03,05,07,09,11,13-15,17-20,22,24-27 Batch: WG809055-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	08/05/15 07:10	08/05/15 20:16	1,7471B	EA

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 15 LARIVIERE + 20 WILKESON

Project Number: 0136-013-002

Lab Number: L1518182

Report Date: 08/11/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,03,05,07 Batch: WG808729-2 SRM Lot Number: D088-540								
Aluminum, Total	83		-		48-151	-		
Antimony, Total	178		-		1-208	-		
Arsenic, Total	105		-		79-121	-		
Barium, Total	99		-		83-117	-		
Beryllium, Total	102		-		83-117	-		
Cadmium, Total	99		-		83-117	-		
Calcium, Total	94		-		81-119	-		
Chromium, Total	101		-		80-120	-		
Cobalt, Total	92		-		84-115	-		
Copper, Total	98		-		81-118	-		
Iron, Total	103		-		45-155	-		
Lead, Total	84		-		81-117	-		
Magnesium, Total	84		-		76-124	-		
Manganese, Total	98		-		81-118	-		
Nickel, Total	98		-		83-117	-		
Potassium, Total	96		-		71-129	-		
Selenium, Total	102		-		78-122	-		
Silver, Total	100		-		75-124	-		
Sodium, Total	97		-		72-127	-		
Thallium, Total	100		-		80-120	-		
Vanadium, Total	97		-		78-122	-		

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 15 LARIVIERE + 20 WILKESON**Project Number:** 0136-013-002**Lab Number:** L1518182**Report Date:** 08/11/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,03,05,07 Batch: WG808729-2 SRM Lot Number: D088-540					
Zinc, Total	97	-	82-118	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 15 LARIVIERE + 20 WILKESON

Project Number: 0136-013-002

Lab Number: L1518182

Report Date: 08/11/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 09,11,13-15,17-20,22,24-27 Batch: WG808912-2 SRM Lot Number: D088-540					
Aluminum, Total	84	-	48-151	-	
Antimony, Total	178	-	1-208	-	
Arsenic, Total	96	-	79-121	-	
Barium, Total	94	-	83-117	-	
Beryllium, Total	97	-	83-117	-	
Cadmium, Total	94	-	83-117	-	
Calcium, Total	89	-	81-119	-	
Chromium, Total	101	-	80-120	-	
Cobalt, Total	92	-	84-115	-	
Copper, Total	98	-	81-118	-	
Iron, Total	89	-	45-155	-	
Lead, Total	93	-	81-117	-	
Magnesium, Total	84	-	76-124	-	
Manganese, Total	96	-	81-118	-	
Nickel, Total	96	-	83-117	-	
Potassium, Total	89	-	71-129	-	
Selenium, Total	97	-	78-122	-	
Silver, Total	103	-	75-124	-	
Sodium, Total	90	-	72-127	-	
Thallium, Total	95	-	80-120	-	
Vanadium, Total	97	-	78-122	-	

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 15 LARIVIERE + 20 WILKESON**Project Number:** 0136-013-002**Lab Number:** L1518182**Report Date:** 08/11/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 09,11,13-15,17-20,22,24-27 Batch: WG808912-2 SRM Lot Number: D088-540					
Zinc, Total	92	-	82-118	-	
Total Metals - Westborough Lab Associated sample(s): 01,03,05,07,09,11,13-15,17-20,22,24-27 Batch: WG809055-2 SRM Lot Number: D088-540					
Mercury, Total	106	-	72-128	-	

Matrix Spike Analysis **Batch Quality Control**

Project Name: 15 LARIVIERE + 20 WILKESON
Project Number: 0136-013-002

Lab Number: L1518182
Report Date: 08/11/15

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): 01,03,05,07 QC Batch ID: WG808729-4 QC Sample: L1518167-01 Client ID: MS Sample												
Aluminum, Total	7700	177	8500	452	Q	-	-		75-125	-		20
Antimony, Total	1.4J	44.3	45	102		-	-		75-125	-		20
Arsenic, Total	15.	10.6	27	113		-	-		75-125	-		20
Barium, Total	200	177	390	107		-	-		75-125	-		20
Beryllium, Total	0.43J	4.43	5.0	113		-	-		75-125	-		20
Cadmium, Total	2.7	4.52	7.7	111		-	-		75-125	-		20
Calcium, Total	22000	886	23000	113		-	-		75-125	-		20
Chromium, Total	86.	17.7	86	0	Q	-	-		75-125	-		20
Cobalt, Total	6.5	44.3	47	91		-	-		75-125	-		20
Copper, Total	110	22.1	140	135	Q	-	-		75-125	-		20
Iron, Total	24000	88.6	26000	2260	Q	-	-		75-125	-		20
Lead, Total	360	45.2	410	111		-	-		75-125	-		20
Magnesium, Total	3100	886	4100	113		-	-		75-125	-		20
Manganese, Total	330	44.3	380	113		-	-		75-125	-		20
Nickel, Total	18.	44.3	60	95		-	-		75-125	-		20
Potassium, Total	1100	886	2100	113		-	-		75-125	-		20
Selenium, Total	ND	10.6	10	94		-	-		75-125	-		20
Silver, Total	ND	26.6	25	94		-	-		75-125	-		20
Sodium, Total	280	886	1200	104		-	-		75-125	-		20
Thallium, Total	ND	10.6	8.3	78		-	-		75-125	-		20
Vanadium, Total	32.	44.3	80	108		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control**Project Name:** 15 LARIVIERE + 20 WILKESON**Project Number:** 0136-013-002**Lab Number:** L1518182**Report Date:** 08/11/15

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): 01,03,05,07 QC Batch ID: WG808729-4 QC Sample: L1518167-01 Client ID: MS Sample									
Zinc, Total	400	44.3	450	113	-	-	75-125	-	20

Matrix Spike Analysis **Batch Quality Control**

Project Name: 15 LARIVIERE + 20 WILKESON

Lab Number: L1518182

Project Number: 0136-013-002

Report Date: 08/11/15

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): 09,11,13-15,17-20,22,24-27 TP-15 (5-11')									
QC Batch ID: WG808912-4					QC Sample: L1518182-09		Client ID:		
Aluminum, Total	5800	162	5400	0	Q	-	75-125	-	20
Antimony, Total	ND	40.5	32	79		-	75-125	-	20
Arsenic, Total	3.0	9.73	39	370	Q	-	75-125	-	20
Barium, Total	54.	162	190	84		-	75-125	-	20
Beryllium, Total	0.28J	4.05	3.9	96		-	75-125	-	20
Cadmium, Total	ND	4.13	4.0	97		-	75-125	-	20
Calcium, Total	67000	811	58000	0	Q	-	75-125	-	20
Chromium, Total	10.	16.2	23	80		-	75-125	-	20
Cobalt, Total	4.9	40.5	36	77		-	75-125	-	20
Copper, Total	16.	20.3	37	104		-	75-125	-	20
Iron, Total	12000	81.1	11000	0	Q	-	75-125	-	20
Lead, Total	18.	41.3	51	80		-	75-125	-	20
Magnesium, Total	12000	811	15000	370	Q	-	75-125	-	20
Manganese, Total	300	40.5	430	321	Q	-	75-125	-	20
Nickel, Total	12.	40.5	46	84		-	75-125	-	20
Potassium, Total	810	811	1400	73	Q	-	75-125	-	20
Selenium, Total	ND	9.73	ND	0	Q	-	75-125	-	20
Silver, Total	ND	24.3	24	99		-	75-125	-	20
Sodium, Total	120J	811	860	106		-	75-125	-	20
Thallium, Total	ND	9.73	5.8	60	Q	-	75-125	-	20
Vanadium, Total	13.	40.5	50	91		-	75-125	-	20

Matrix Spike Analysis **Batch Quality Control**

Project Name: 15 LARIVIERE + 20 WILKESON

Lab Number: L1518182

Project Number: 0136-013-002

Report Date: 08/11/15

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): 09,11,13-15,17-20,22,24-27 QC Batch ID: WG808912-4 QC Sample: L1518182-09 Client ID: TP-15 (5-11')									
Zinc, Total	50.	40.5	82	79	-	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 01,03,05,07,09,11,13-15,17-20,22,24-27 QC Batch ID: WG809055-4 QC Sample: L1518182-01 Client ID: TP-12 (6-7')									
Mercury, Total	0.60	0.157	0.48	0	Q	-	80-120	-	20

Lab Duplicate Analysis Batch Quality Control

Project Name: 15 LARIVIERE + 20 WILKESON

Project Number: 0136-013-002

Lab Number: L1518182

Report Date: 08/11/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,03,05,07 QC Batch ID: WG808729-3 QC Sample: L1518167-01 Client ID: DUP Sample						
Aluminum, Total	7700	7200	mg/kg	7		20
Antimony, Total	1.4J	2.6J	mg/kg	NC		20
Arsenic, Total	15.	22	mg/kg	38	Q	20
Barium, Total	200	180	mg/kg	11		20
Beryllium, Total	0.43J	0.39J	mg/kg	NC		20
Cadmium, Total	2.7	2.7	mg/kg	0		20
Calcium, Total	22000	23000	mg/kg	4		20
Chromium, Total	86.	58	mg/kg	39	Q	20
Cobalt, Total	6.5	6.1	mg/kg	6		20
Copper, Total	110	100	mg/kg	10		20
Iron, Total	24000	45000	mg/kg	61	Q	20
Lead, Total	360	360	mg/kg	0		20
Magnesium, Total	3100	3100	mg/kg	0		20
Manganese, Total	330	360	mg/kg	9		20
Nickel, Total	18.	16	mg/kg	12		20
Potassium, Total	1100	970	mg/kg	13		20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	280	240	mg/kg	15		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 15 LARIVIERE + 20 WILKESON

Project Number: 0136-013-002

Lab Number: L1518182

Report Date: 08/11/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,03,05,07 QC Batch ID: WG808729-3 QC Sample: L1518167-01 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	32.	29	mg/kg	10	20
Zinc, Total	400	390	mg/kg	3	20

Lab Duplicate Analysis Batch Quality Control

Project Name: 15 LARIVIERE + 20 WILKESON

Project Number: 0136-013-002

Lab Number: L1518182

Report Date: 08/11/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 09,11,13-15,17-20,22,24-27 QC Batch ID: WG808912-3 QC Sample: L1518182-09 Client ID: TP-15 (5-11')					
Aluminum, Total	5800	4300	mg/kg	30	Q 20
Antimony, Total	ND	ND	mg/kg	NC	20
Arsenic, Total	3.0	2.2	mg/kg	31	Q 20
Barium, Total	54.	37	mg/kg	37	Q 20
Beryllium, Total	0.28J	0.19J	mg/kg	NC	20
Cadmium, Total	ND	ND	mg/kg	NC	20
Chromium, Total	10.	8.0	mg/kg	22	Q 20
Cobalt, Total	4.9	3.7	mg/kg	28	Q 20
Copper, Total	16.	11	mg/kg	37	Q 20
Iron, Total	12000	8900	mg/kg	30	Q 20
Lead, Total	18.	19	mg/kg	5	20
Manganese, Total	300	250	mg/kg	18	20
Nickel, Total	12.	9.0	mg/kg	29	Q 20
Potassium, Total	810	670	mg/kg	19	20
Selenium, Total	ND	ND	mg/kg	NC	20
Silver, Total	ND	ND	mg/kg	NC	20
Sodium, Total	120J	120J	mg/kg	NC	20
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	13.	10	mg/kg	26	Q 20

Project Name: 15 LARIVIERE + 20 WILKESON
Project Number: 0136-013-002

Lab Duplicate Analysis

Batch Quality Control

Lab Number: L1518182
Report Date: 08/11/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 09,11,13-15,17-20,22,24-27 QC Batch ID: WG808912-3 QC Sample: L1518182-09 Client ID: TP-15 (5-11')					
Zinc, Total	50.	43	mg/kg	15	20
Total Metals - Westborough Lab Associated sample(s): 09,11,13-15,17-20,22,24-27 QC Batch ID: WG808912-3 QC Sample: L1518182-09 Client ID: TP-15 (5-11')					
Calcium, Total	67000	94000	mg/kg	34	20
Magnesium, Total	12000	16000	mg/kg	29	20
Total Metals - Westborough Lab Associated sample(s): 01,03,05,07,09,11,13-15,17-20,22,24-27 QC Batch ID: WG809055-3 QC Sample: L1518182-01 Client ID: TP-12 (6-7')					
Mercury, Total	0.60	ND	mg/kg	NC	20

INORGANICS & MISCELLANEOUS

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS****Lab ID:** L1518182-01**Date Collected:** 07/30/15 11:30**Client ID:** TP-12 (6-7')**Date Received:** 08/03/15**Sample Location:** 15 LARIVIERE DR.+20 WILKESON W**Field Prep:** Not Specified**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.4		%	0.100	NA	1	-	08/04/15 20:28	30,2540G	RT



Project Name: 15 LARIVIERE + 20 WILKESON**Project Number:** 0136-013-002**Lab Number:** L1518182**Report Date:** 08/11/15**SAMPLE RESULTS****Lab ID:** L1518182-02**Client ID:** TP-12 (6-7')**Sample Location:** 15 LARIVIERE DR.+20 WILKESON W**Matrix:** Soil**Date Collected:** 08/03/15 08:00**Date Received:** 08/03/15**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	80.0		%	0.100	NA	1	-	08/04/15 20:28	30,2540G	RT



Project Name: 15 LARIVIERE + 20 WILKESON**Project Number:** 0136-013-002**Lab Number:** L1518182**Report Date:** 08/11/15**SAMPLE RESULTS****Lab ID:** L1518182-03**Client ID:** TP-13 (1.5-5')**Sample Location:** 15 LARIVIERE DR.+20 WILKESON W**Matrix:** Soil**Date Collected:** 07/30/15 10:30**Date Received:** 08/03/15**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	92.4		%	0.100	NA	1	-	08/04/15 20:28	30,2540G	RT



Project Name: 15 LARIVIERE + 20 WILKESON
Project Number: 0136-013-002

Lab Number: L1518182
Report Date: 08/11/15

SAMPLE RESULTS

Lab ID: L1518182-04
Client ID: TP-13 (1.5-5')
Sample Location: 15 LARIVIERE DR.+20 WILKESON W
Matrix: Soil

Date Collected: 08/03/15 08:30
Date Received: 08/03/15
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	78.6		%	0.100	NA	1	-	08/04/15 20:28	30,2540G	RT



Project Name: 15 LARIVIERE + 20 WILKESON**Project Number:** 0136-013-002**Lab Number:** L1518182**Report Date:** 08/11/15**SAMPLE RESULTS****Lab ID:** L1518182-05**Client ID:** TP-14 (4-7')**Sample Location:** 15 LARIVIERE DR.+20 WILKESON W**Matrix:** Soil**Date Collected:** 07/30/15 13:00**Date Received:** 08/03/15**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	76.2		%	0.100	NA	1	-	08/04/15 20:28	30,2540G	RT



Project Name: 15 LARIVIERE + 20 WILKESON
Project Number: 0136-013-002

Lab Number: L1518182
Report Date: 08/11/15

SAMPLE RESULTS

Lab ID: L1518182-06
Client ID: TP-14 (4-7')
Sample Location: 15 LARIVIERE DR.+20 WILKESON W
Matrix: Soil

Date Collected: 08/03/15 09:00
Date Received: 08/03/15
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	60.8		%	0.100	NA	1	-	08/04/15 20:28	30,2540G	RT



Project Name: 15 LARIVIERE + 20 WILKESON
Project Number: 0136-013-002

Lab Number: L1518182
Report Date: 08/11/15

SAMPLE RESULTS

Lab ID: L1518182-07
Client ID: TP-15 (.5-5')
Sample Location: 15 LARIVIERE DR.+20 WILKESON W
Matrix: Soil

Date Collected: 07/30/15 13:50
Date Received: 08/03/15
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	86.0		%	0.100	NA	1	-	08/04/15 20:28	30,2540G	RT



Project Name: 15 LARIVIERE + 20 WILKESON
Project Number: 0136-013-002

Lab Number: L1518182
Report Date: 08/11/15

SAMPLE RESULTS

Lab ID: L1518182-08
Client ID: TP-15 (.5-5')
Sample Location: 15 LARIVIERE DR.+20 WILKESON W
Matrix: Soil

Date Collected: 08/03/15 09:15
Date Received: 08/03/15
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	85.0		%	0.100	NA	1	-	08/04/15 20:28	30,2540G	RT



Project Name: 15 LARIVIERE + 20 WILKESON
Project Number: 0136-013-002

Lab Number: L1518182
Report Date: 08/11/15

SAMPLE RESULTS

Lab ID: L1518182-09
Client ID: TP-15 (5-11')
Sample Location: 15 LARIVIERE DR.+20 WILKESON W
Matrix: Soil

Date Collected: 07/30/15 14:00
Date Received: 08/03/15
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	93.6		%	0.100	NA	1	-	08/04/15 20:28	30,2540G	RT



Project Name: 15 LARIVIERE + 20 WILKESON**Project Number:** 0136-013-002**Lab Number:** L1518182**Report Date:** 08/11/15**SAMPLE RESULTS****Lab ID:** L1518182-10**Client ID:** TP-15 (5-11')**Sample Location:** 15 LARIVIERE DR.+20 WILKESON W**Matrix:** Soil**Date Collected:** 08/03/15 09:30**Date Received:** 08/03/15**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	87.4		%	0.100	NA	1	-	08/04/15 20:28	30,2540G	RT



Project Name: 15 LARIVIERE + 20 WILKESON
Project Number: 0136-013-002

Lab Number: L1518182
Report Date: 08/11/15

SAMPLE RESULTS

Lab ID: L1518182-11
Client ID: TP-16 (.5-5')
Sample Location: 15 LARIVIERE DR.+20 WILKESON W
Matrix: Soil

Date Collected: 07/30/15 15:00
Date Received: 08/03/15
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	88.0		%	0.100	NA	1	-	08/04/15 20:28	30,2540G	RT



Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS****Lab ID:** L1518182-12**Date Collected:** 08/03/15 09:45**Client ID:** TP-16 (.5-5')**Date Received:** 08/03/15**Sample Location:** 15 LARIVIERE DR.+20 WILKESON W**Field Prep:** Not Specified**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.0		%	0.100	NA	1	-	08/04/15 20:28	30,2540G	RT



Project Name: 15 LARIVIERE + 20 WILKESON**Project Number:** 0136-013-002**Lab Number:** L1518182**Report Date:** 08/11/15**SAMPLE RESULTS****Lab ID:** L1518182-13**Client ID:** TP-17 (2.5-3.5')**Sample Location:** 15 LARIVIERE DR.+20 WILKESON W**Matrix:** Soil**Date Collected:** 07/30/15 16:00**Date Received:** 08/03/15**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	91.6		%	0.100	NA	1	-	08/04/15 20:28	30,2540G	RT



Project Name: 15 LARIVIERE + 20 WILKESON
Project Number: 0136-013-002

Lab Number: L1518182
Report Date: 08/11/15

SAMPLE RESULTS

Lab ID: L1518182-14
Client ID: SB-17 (1-6')
Sample Location: 15 LARIVIERE DR.+20 WILKESON W
Matrix: Soil

Date Collected: 07/31/15 15:30
Date Received: 08/03/15
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	87.3		%	0.100	NA	1	-	08/04/15 20:28	30,2540G	RT



Project Name: 15 LARIVIERE + 20 WILKESON
Project Number: 0136-013-002

Lab Number: L1518182
Report Date: 08/11/15

SAMPLE RESULTS

Lab ID: L1518182-15
Client ID: SB-18 (1-8.5')
Sample Location: 15 LARIVIERE DR.+20 WILKESON W
Matrix: Soil

Date Collected: 07/31/15 16:00
Date Received: 08/03/15
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	88.1		%	0.100	NA	1	-	08/04/15 20:28	30,2540G	RT



Project Name: 15 LARIVIERE + 20 WILKESON**Project Number:** 0136-013-002**Lab Number:** L1518182**Report Date:** 08/11/15**SAMPLE RESULTS****Lab ID:** L1518182-16**Client ID:** SB-18 (1-8.5')**Sample Location:** 15 LARIVIERE DR.+20 WILKESON W**Matrix:** Soil**Date Collected:** 08/03/15 10:00**Date Received:** 08/03/15**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	88.1		%	0.100	NA	1	-	08/04/15 20:28	30,2540G	RT



Project Name: 15 LARIVIERE + 20 WILKESON
Project Number: 0136-013-002

Lab Number: L1518182
Report Date: 08/11/15

SAMPLE RESULTS

Lab ID: L1518182-17
Client ID: SB-19 (1-4')
Sample Location: 15 LARIVIERE DR.+20 WILKESON W
Matrix: Soil

Date Collected: 07/31/15 09:30
Date Received: 08/03/15
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	86.0		%	0.100	NA	1	-	08/04/15 20:28	30,2540G	RT



Project Name: 15 LARIVIERE + 20 WILKESON
Project Number: 0136-013-002

Lab Number: L1518182
Report Date: 08/11/15

SAMPLE RESULTS

Lab ID: L1518182-18
Client ID: SB-26 (4-8')
Sample Location: 15 LARIVIERE DR.+20 WILKESON W
Matrix: Soil

Date Collected: 07/31/15 12:00
Date Received: 08/03/15
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	79.5		%	0.100	NA	1	-	08/04/15 20:28	30,2540G	RT



Project Name: 15 LARIVIERE + 20 WILKESON
Project Number: 0136-013-002

Lab Number: L1518182
Report Date: 08/11/15

SAMPLE RESULTS

Lab ID: L1518182-19
Client ID: SB-20 (1-6')
Sample Location: 15 LARIVIERE DR.+20 WILKESON W
Matrix: Soil

Date Collected: 07/31/15 10:00
Date Received: 08/03/15
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	86.0		%	0.100	NA	1	-	08/04/15 20:28	30,2540G	RT



Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15**SAMPLE RESULTS****Lab ID:** L1518182-20**Date Collected:** 07/31/15 10:40**Client ID:** SB-21 (2-4')**Date Received:** 08/03/15**Sample Location:** 15 LARIVIERE DR.+20 WILKESON W**Field Prep:** Not Specified**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.8		%	0.100	NA	1	-	08/04/15 20:28	30,2540G	RT



Project Name: 15 LARIVIERE + 20 WILKESON
Project Number: 0136-013-002

Lab Number: L1518182
Report Date: 08/11/15

SAMPLE RESULTS

Lab ID: L1518182-21
Client ID: SB-21 (2-4')
Sample Location: 15 LARIVIERE DR.+20 WILKESON W
Matrix: Soil

Date Collected: 08/03/15 10:15
Date Received: 08/03/15
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	85.0		%	0.100	NA	1	-	08/04/15 20:53	30,2540G	RT



Project Name: 15 LARIVIERE + 20 WILKESON
Project Number: 0136-013-002

Lab Number: L1518182
Report Date: 08/11/15

SAMPLE RESULTS

Lab ID: L1518182-22
Client ID: SB-21 (18-20')
Sample Location: 15 LARIVIERE DR.+20 WILKESON W
Matrix: Soil

Date Collected: 07/31/15 11:05
Date Received: 08/03/15
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	62.6		%	0.100	NA	1	-	08/04/15 20:53	30,2540G	RT



Project Name: 15 LARIVIERE + 20 WILKESON
Project Number: 0136-013-002

Lab Number: L1518182
Report Date: 08/11/15

SAMPLE RESULTS

Lab ID: L1518182-23
Client ID: SB-21 (18-20')
Sample Location: 15 LARIVIERE DR.+20 WILKESON W
Matrix: Soil

Date Collected: 08/03/15 10:30
Date Received: 08/03/15
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	84.8		%	0.100	NA	1	-	08/04/15 20:53	30,2540G	RT



Project Name: 15 LARIVIERE + 20 WILKESON
Project Number: 0136-013-002

Lab Number: L1518182
Report Date: 08/11/15

SAMPLE RESULTS

Lab ID: L1518182-24
Client ID: SB-22 (3-9')
Sample Location: 15 LARIVIERE DR.+20 WILKESON W
Matrix: Soil

Date Collected: 07/31/15 14:00
Date Received: 08/03/15
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	84.8		%	0.100	NA	1	-	08/04/15 20:53	30,2540G	RT



Project Name: 15 LARIVIERE + 20 WILKESON
Project Number: 0136-013-002

Lab Number: L1518182
Report Date: 08/11/15

SAMPLE RESULTS

Lab ID: L1518182-25
Client ID: SB-23 (4-8')
Sample Location: 15 LARIVIERE DR.+20 WILKESON W
Matrix: Soil

Date Collected: 07/31/15 13:00
Date Received: 08/03/15
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	80.2		%	0.100	NA	1	-	08/04/15 20:53	30,2540G	RT



Project Name: 15 LARIVIERE + 20 WILKESON
Project Number: 0136-013-002

Lab Number: L1518182
Report Date: 08/11/15

SAMPLE RESULTS

Lab ID: L1518182-26
Client ID: SB-24 (3.5-8')
Sample Location: 15 LARIVIERE DR.+20 WILKESON W
Matrix: Soil

Date Collected: 07/31/15 13:30
Date Received: 08/03/15
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	78.1		%	0.100	NA	1	-	08/04/15 20:53	30,2540G	RT



Project Name: 15 LARIVIERE + 20 WILKESON
Project Number: 0136-013-002

Lab Number: L1518182
Report Date: 08/11/15

SAMPLE RESULTS

Lab ID: L1518182-27
Client ID: SB-25 (2-5')
Sample Location: 15 LARIVIERE DR.+20 WILKESON W
Matrix: Soil

Date Collected: 07/31/15 14:45
Date Received: 08/03/15
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	86.4		%	0.100	NA	1	-	08/04/15 20:53	30,2540G	RT



Project Name: 15 LARIVIERE + 20 WILKESON
Project Number: 0136-013-002

Lab Number: L1518182
Report Date: 08/11/15

SAMPLE RESULTS

Lab ID: L1518182-28
Client ID: SB-25 (2-5')
Sample Location: 15 LARIVIERE DR.+20 WILKESON W
Matrix: Soil

Date Collected: 08/03/15 11:00
Date Received: 08/03/15
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	86.4		%	0.100	NA	1	-	08/04/15 20:53	30,2540G	RT



Project Name: 15 LARIVIERE + 20 WILKESON
Project Number: 0136-013-002

Lab Duplicate Analysis

Batch Quality Control

Lab Number: L1518182
Report Date: 08/11/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-20 QC Batch ID: WG808995-1 QC Sample: L1518182-01 Client ID: TP-12 (6-7")						
Solids, Total	81.4	84.1	%	3		20
General Chemistry - Westborough Lab Associated sample(s): 21-28 QC Batch ID: WG809004-1 QC Sample: L1518121-01 Client ID: DUP Sample						
Solids, Total	94.0	93.9	%	0		20

Project Name: 15 LARIVIERE + 20 WILKESON

Project Number: 0136-013-002

Lab Number: L1518182

Report Date: 08/11/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 08/04/2015 05:21

Cooler Information Custody Seal

Cooler

A Absent

B Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1518182-01A	Glass 250ml/8oz unpreserved	A	N/A	3.8	Y	Absent	BE-TI(180),NYTCL-8270(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)
L1518182-02A	5 gram Encore Sampler	A	N/A	3.8	Y	Absent	NYTCL-8260HLW(2)
L1518182-02B	5 gram Encore Sampler	A	N/A	3.8	Y	Absent	NYTCL-8260HLW(2)
L1518182-02C	5 gram Encore Sampler	A	N/A	3.8	Y	Absent	NYTCL-8260HLW(2)
L1518182-02D	Plastic 2oz unpreserved for TS	A	N/A	3.8	Y	Absent	TS(7)
L1518182-02X	Vial MeOH preserved split	A	N/A	3.8	Y	Absent	NYTCL-8260HLW(14)
L1518182-02Y	Vial Water preserved split	A	N/A	3.8	Y	Absent	NYTCL-8260HLW(14)
L1518182-02Z	Vial Water preserved split	A	N/A	3.8	Y	Absent	NYTCL-8260HLW(14)
L1518182-03A	Glass 250ml/8oz unpreserved	B	N/A	2.1	Y	Absent	BE-TI(180),NYTCL-8270(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)
L1518182-04A	5 gram Encore Sampler	B	N/A	2.1	Y	Absent	NYTCL-8260HLW(2)
L1518182-04B	5 gram Encore Sampler	B	N/A	2.1	Y	Absent	NYTCL-8260HLW(2)

*Values in parentheses indicate holding time in days



Project Name: 15 LARIVIERE + 20 WILKESON**Project Number:** 0136-013-002**Lab Number:** L1518182**Report Date:** 08/11/15**Container Information**

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1518182-04C	5 gram Encore Sampler	B	N/A	2.1	Y	Absent	NYTCL-8260HLW(2)
L1518182-04D	Plastic 2oz unpreserved for TS	B	N/A	2.1	Y	Absent	TS(7)
L1518182-04X	Vial MeOH preserved split	B	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1518182-04Y	Vial Water preserved split	B	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1518182-04Z	Vial Water preserved split	B	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1518182-05A	Glass 250ml/8oz unpreserved	B	N/A	2.1	Y	Absent	BE-TI(180),NYTCL-8270(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)
L1518182-06A	5 gram Encore Sampler	B	N/A	2.1	Y	Absent	NYTCL-8260HLW(2)
L1518182-06B	5 gram Encore Sampler	B	N/A	2.1	Y	Absent	NYTCL-8260HLW(2)
L1518182-06C	5 gram Encore Sampler	B	N/A	2.1	Y	Absent	NYTCL-8260HLW(2)
L1518182-06D	Plastic 2oz unpreserved for TS	B	N/A	2.1	Y	Absent	TS(7)
L1518182-06X	Vial MeOH preserved split	B	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1518182-06Y	Vial Water preserved split	B	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1518182-06Z	Vial Water preserved split	B	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1518182-07A	Glass 250ml/8oz unpreserved	B	N/A	2.1	Y	Absent	BE-TI(180),NYTCL-8270(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)
L1518182-08A	5 gram Encore Sampler	B	N/A	2.1	Y	Absent	NYTCL-8260HLW(2)
L1518182-08B	5 gram Encore Sampler	B	N/A	2.1	Y	Absent	NYTCL-8260HLW(2)
L1518182-08C	5 gram Encore Sampler	B	N/A	2.1	Y	Absent	NYTCL-8260HLW(2)
L1518182-08D	Plastic 2oz unpreserved for TS	B	N/A	2.1	Y	Absent	TS(7)
L1518182-08X	Vial MeOH preserved split	B	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1518182-08Y	Vial Water preserved split	B	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1518182-08Z	Vial Water preserved split	B	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days



Project Name: 15 LARIVIERE + 20 WILKESON

Project Number: 0136-013-002

Lab Number: L1518182

Report Date: 08/11/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1518182-09A	Glass 250ml/8oz unpreserved	B	N/A	2.1	Y	Absent	BE-Ti(180),NYTCL-8270(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)
L1518182-10A	Vial Large Septa unpreserved (4o	B	N/A	2.1	Y	Absent	TS(7),NYTCL-8260(14)
L1518182-10B	Plastic 2oz unpreserved for TS	B	N/A	2.1	Y	Absent	-
L1518182-11A	Glass 250ml/8oz unpreserved	A	N/A	3.8	Y	Absent	BE-Ti(180),NYTCL-8270(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)
L1518182-12A	5 gram Encore Sampler	A	N/A	3.8	Y	Absent	NYTCL-8260HLW(2)
L1518182-12B	5 gram Encore Sampler	A	N/A	3.8	Y	Absent	NYTCL-8260HLW(2)
L1518182-12C	5 gram Encore Sampler	A	N/A	3.8	Y	Absent	NYTCL-8260HLW(2)
L1518182-12D	Plastic 2oz unpreserved for TS	A	N/A	3.8	Y	Absent	TS(7)
L1518182-12X	Vial MeOH preserved split	A	N/A	3.8	Y	Absent	NYTCL-8260HLW(14)
L1518182-12Y	Vial Water preserved split	A	N/A	3.8	Y	Absent	NYTCL-8260HLW(14)
L1518182-12Z	Vial Water preserved split	A	N/A	3.8	Y	Absent	NYTCL-8260HLW(14)
L1518182-13A	Glass 250ml/8oz unpreserved	A	N/A	3.8	Y	Absent	BE-Ti(180),NYTCL-8270(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)

*Values in parentheses indicate holding time in days



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Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1518182-13B	Glass 250ml/8oz unpreserved	A	N/A	3.8	Y	Absent	BE-Ti(180),NYTCL-8270(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)
L1518182-14A	Glass 250ml/8oz unpreserved	B	N/A	2.1	Y	Absent	BE-Ti(180),NYTCL-8270(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)
L1518182-15A	Glass 250ml/8oz unpreserved	A	N/A	3.8	Y	Absent	BE-Ti(180),NYTCL-8270(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)
L1518182-16A	5 gram Encore Sampler	A	N/A	3.8	Y	Absent	NYTCL-8260HLW(2)
L1518182-16B	5 gram Encore Sampler	A	N/A	3.8	Y	Absent	NYTCL-8260HLW(2)
L1518182-16C	5 gram Encore Sampler	A	N/A	3.8	Y	Absent	NYTCL-8260HLW(2)
L1518182-16D	Plastic 2oz unpreserved for TS	A	N/A	3.8	Y	Absent	TS(7)
L1518182-16X	Vial MeOH preserved split	A	N/A	3.8	Y	Absent	NYTCL-8260HLW(14)
L1518182-16Y	Vial Water preserved split	A	N/A	3.8	Y	Absent	NYTCL-8260HLW(14)
L1518182-16Z	Vial Water preserved split	A	N/A	3.8	Y	Absent	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days



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Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1518182-17A	Glass 250ml/8oz unpreserved	A	N/A	3.8	Y	Absent	BE-Ti(180),NYTCL-8270(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)
L1518182-17B	Glass 250ml/8oz unpreserved	A	N/A	3.8	Y	Absent	BE-Ti(180),NYTCL-8270(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)
L1518182-18A	Glass 250ml/8oz unpreserved	B	N/A	2.1	Y	Absent	BE-Ti(180),NYTCL-8270(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)
L1518182-19A	Glass 250ml/8oz unpreserved	A	N/A	3.8	Y	Absent	BE-Ti(180),NYTCL-8270(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)

*Values in parentheses indicate holding time in days



Project Name: 15 LARIVIERE + 20 WILKESON

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Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1518182-19B	Glass 250ml/8oz unpreserved	A	N/A	3.8	Y	Absent	BE-Ti(180),NYTCL-8270(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)
L1518182-20A	Glass 250ml/8oz unpreserved	B	N/A	2.1	Y	Absent	BE-Ti(180),NYTCL-8270(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)
L1518182-21A	5 gram Encore Sampler	A	N/A	3.8	Y	Absent	NYTCL-8260HLW(2)
L1518182-21B	5 gram Encore Sampler	A	N/A	3.8	Y	Absent	NYTCL-8260HLW(2)
L1518182-21C	5 gram Encore Sampler	A	N/A	3.8	Y	Absent	NYTCL-8260HLW(2)
L1518182-21D	Plastic 2oz unpreserved for TS	A	N/A	3.8	Y	Absent	TS(7)
L1518182-21X	Vial MeOH preserved split	A	N/A	3.8	Y	Absent	NYTCL-8260HLW(14)
L1518182-21Y	Vial Water preserved split	A	N/A	3.8	Y	Absent	NYTCL-8260HLW(14)
L1518182-21Z	Vial Water preserved split	A	N/A	3.8	Y	Absent	NYTCL-8260HLW(14)
L1518182-22A	Glass 250ml/8oz unpreserved	B	N/A	2.1	Y	Absent	BE-Ti(180),NYTCL-8270(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)
L1518182-23A	5 gram Encore Sampler	B	N/A	2.1	Y	Absent	NYTCL-8260HLW(2)
L1518182-23B	5 gram Encore Sampler	B	N/A	2.1	Y	Absent	NYTCL-8260HLW(2)
L1518182-23C	5 gram Encore Sampler	B	N/A	2.1	Y	Absent	NYTCL-8260HLW(2)
L1518182-23D	Plastic 2oz unpreserved for TS	B	N/A	2.1	Y	Absent	TS(7)
L1518182-23X	Vial MeOH preserved split	B	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1518182-23Y	Vial Water preserved split	B	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days



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Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1518182-23Z	Vial Water preserved split	B	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1518182-24A	Glass 250ml/8oz unpreserved	B	N/A	2.1	Y	Absent	BE-TI(180),NYTCL-8270(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)
L1518182-25A	Glass 250ml/8oz unpreserved	B	N/A	2.1	Y	Absent	BE-TI(180),NYTCL-8270(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)
L1518182-26A	Glass 250ml/8oz unpreserved	B	N/A	2.1	Y	Absent	BE-TI(180),NYTCL-8270(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)
L1518182-27A	Glass 250ml/8oz unpreserved	B	N/A	2.1	Y	Absent	BE-TI(180),NYTCL-8270(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)
L1518182-28A	5 gram Encore Sampler	A	N/A	3.8	Y	Absent	NYTCL-8260HLW(2)
L1518182-28B	5 gram Encore Sampler	A	N/A	3.8	Y	Absent	NYTCL-8260HLW(2)
L1518182-28C	5 gram Encore Sampler	A	N/A	3.8	Y	Absent	NYTCL-8260HLW(2)
L1518182-28D	Plastic 2oz unpreserved for TS	A	N/A	3.8	Y	Absent	TS(7)
L1518182-28X	Vial MeOH preserved split	A	N/A	3.8	Y	Absent	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days



Project Name: 15 LARIVIERE + 20 WILKESON**Project Number:** 0136-013-002**Lab Number:** L1518182**Report Date:** 08/11/15**Container Information**

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1518182-28Y	Vial Water preserved split	A	N/A	3.8	Y	Absent	NYTCL-8260HLW(14)
L1518182-28Z	Vial Water preserved split	A	N/A	3.8	Y	Absent	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: 15 LARIVIERE + 20 WILKESON**Lab Number:** L1518182**Project Number:** 0136-013-002**Report Date:** 08/11/15

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.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

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

Terms

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.

Report Format: DU Report with 'J' Qualifiers



Project Name: 15 LARIVIERE + 20 WILKESON
Project Number: 0136-013-002

Lab Number: L1518182
Report Date: 08/11/15

Data Qualifiers

- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

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Lab Number: L1518182
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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, SM4500CI-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 Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		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 3		Date Rec'd in Lab 8/4/15		ALPHA Job # L1518182					
Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288		Project Information Project Name: 15 La Riviere Dr + 20 Wilkeson Way Project Location: " + " Project # 0136-013-002 (Use Project name as Project #) ☐ Project Manager: Nate Munley ALPHAQuote #: Turn-Around Time Standard ☒ Due Date: Rush (only if pre approved) ☐ # of Days:				Deliverables ☐ ASP-A ☐ ASP-B ☐ EQUIS (1 File) ☐ EQUIS (4 File) ☐ Other		Billing Information ☐ Same as Client Info PO #					
Client Information Client: Turnkey Address: 2555 Hamburg Turnpike Buffalo NY 14213 Phone: 716-856-0599 Fax: 716-856-0583 Email:						Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other:					
These samples have been previously analyzed by Alpha ☐ Other project specific requirements/comments: VOC's in Encore, except TP-15 (5-11') Please specify Metals or TAL.						ANALYSIS TCU+CP51 VOCs TCU SVOCs TAL Metals PCBs Pest Herb		Sample Filtration ☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below) Sample Specific Comments					
ALPHA Lab ID (Lab Use Only)		Sample ID		Collection Date Time		Sample Matrix		Sampler's Initials		TCU+CP51 VOCs TCU SVOCs TAL Metals PCBs Pest Herb		VOC in Jar, No Encore	
18182 - 01		TP-12 (6-7')		7/30/15 1130		Soil		Puro		X		X	
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03		TP-13 (1.5-5')		7/30/15 1030		"		"		X		X	
04		TP-13 (1.5-5')		8/3/15 830		"		"		X		X	
05		TP-14 (4-7')		7/30/15 1300		"		"		X		X	
06		TP-14 (4-7')		8/3/15 900		"		"		X		X	
07		TP-15 (1.5-5')		7/30/15 1350		"		"		X		X	
08		TP-15 (1.5-5')		8/3/15 915		"		"		X		X	
09		TP-15 (5-11')		7/30/15 1400		"		"		X		X	
10		TP-15 (5-11')		8/3/15 9:30		"		"		X		X	
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type		Preservative		VOC in Jar, No Encore		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.)	
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 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		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		Date Rec'd in Lab 8/4/15		ALPHA Job # L1518182																																																												
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Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288		Project Information Project Name: 15 LaRiviere Dr + 20 Wilkeson Way Project Location: " Project # 0136-013-002 (Use Project name as Project #) ☐				Deliverables ☐ ASP-A ☐ ASP-B ☐ EQUIS (1 File) ☐ EQUIS (4 File) ☐ Other				Billing Information ☐ Same as Client Info PO #																																																										
		Client Information Client: Turnkey Address: 255B Hamburg Turnpike Buffalo NY 14218 Phone: (716) 856-0599 Fax: (716) 856-0583 Email:		Project Manager: Nate Munley ALPHAQuote #: Turn-Around Time Standard ☒ Due Date: Rush (only if pre approved) ☐ # of Days:				Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge				Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other:																																																								
These samples have been previously analyzed by Alpha ☐ Other project specific requirements/comments: VOC's collected by Encore						ANALYSIS <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>TCL+CP-51 VOCs</th> <th>TCL SVOCs</th> <th>TAL Metals</th> <th>PCBs</th> <th>Pest</th> <th>Herb</th> </tr> <tr> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> </tr> <tr> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> </tr> <tr> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> </tr> <tr> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> </tr> <tr> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> </tr> <tr> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> </tr> <tr> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> </tr> <tr> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> </tr> </table>						TCL+CP-51 VOCs	TCL SVOCs	TAL Metals	PCBs	Pest	Herb	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Sample Filtration ☐ Done ☐ Lab to do ☐ Lab to do (Please Specify below)		Total Bottles
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ANALYTICAL REPORT

Lab Number:	L1530137
Client:	Turnkey Environmental Restoration, LLC 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Nate Munley
Phone:	(716) 856-0599
Project Name:	15 LA RIVIERE DR AND WILKESON
Project Number:	0136-013-007
Report Date:	11/25/15

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: 15 LA RIVIERE DR AND WILKESON
Project Number: 0136-013-007

Lab Number: L1530137
Report Date: 11/25/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1530137-01	BCP-MW-1 (4-6)	SOIL	BUFFALO, NY	11/16/15 11:56	11/17/15
L1530137-02	BCP-MW-2 (5.5-7.5)	SOIL	BUFFALO, NY	11/16/15 10:37	11/17/15
L1530137-03	BCP-MW-3 (2-6)	SOIL	BUFFALO, NY	11/16/15 09:34	11/17/15
L1530137-04	BCP-MW-4 (12-16)	SOIL	BUFFALO, NY	11/16/15 15:39	11/17/15
L1530137-05	BLIND DUP #1	SOIL	BUFFALO, NY	11/16/15 12:00	11/17/15
L1530137-06	BCP-MW-6 (2-4)	SOIL	BUFFALO, NY	11/16/15 13:13	11/17/15
L1530137-07	BCP-MW-7 (4-6)	SOIL	BUFFALO, NY	11/16/15 14:09	11/17/15
L1530137-08	BCP-MW-8 (8-12)	SOIL	BUFFALO, NY	11/16/15 15:10	11/17/15
L1530137-09	SS-3 (0-0.5)	SOIL	BUFFALO, NY	11/17/15 09:51	11/17/15
L1530137-10	SS-2 (0-0.5)	SOIL	BUFFALO, NY	11/17/15 09:58	11/17/15

Project Name: 15 LA RIVIERE DR AND WILKESON
Project Number: 0136-013-007

Lab Number: L1530137
Report Date: 11/25/15

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. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

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

HOLD POLICY

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

Please contact Client Services at 800-624-9220 with any questions.

Project Name: 15 LA RIVIERE DR AND WILKESON
Project Number: 0136-013-007

Lab Number: L1530137
Report Date: 11/25/15

Case Narrative (continued)

Report Submission

The site name was provided by the client.

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

Semivolatile Organics

L1530137-01: The sample has elevated detection limits due to the dilution required by the sample matrix.

Metals

L1530137-01 through -10: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG842173-4 MS recovery, performed on L1530137-01, is outside the acceptance criteria for mercury (36%). A post digestion spike was performed and was within acceptance criteria.

The WG842173-3 Laboratory Duplicate RPD, performed on L1530137-01, is outside the acceptance criteria for mercury (21%). The elevated RPD has been attributed to the non-homogeneous nature of the native sample.

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

Authorized Signature:



Cristin Walker

Title: Technical Director/Representative

Date: 11/25/15

ORGANICS

VOLATILES

Project Name: 15 LA RIVIERE DR AND WILKESON
Project Number: 0136-013-007

Lab Number: L1530137
Report Date: 11/25/15

SAMPLE RESULTS

Lab ID: L1530137-04
Client ID: BCP-MW-4 (12-16)
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/23/15 21:43
Analyst: PP
Percent Solids: 83%

Date Collected: 11/16/15 15:39
Date Received: 11/17/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	13	1.5	1
1,1-Dichloroethane	ND		ug/kg	2.0	0.12	1
Chloroform	ND		ug/kg	2.0	0.50	1
Carbon tetrachloride	ND		ug/kg	1.3	0.28	1
1,2-Dichloropropane	ND		ug/kg	4.7	0.31	1
Dibromochloromethane	ND		ug/kg	1.3	0.21	1
1,1,2-Trichloroethane	ND		ug/kg	2.0	0.41	1
Tetrachloroethene	ND		ug/kg	1.3	0.19	1
Chlorobenzene	ND		ug/kg	1.3	0.47	1
Trichlorofluoromethane	ND		ug/kg	6.7	0.52	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.15	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	0.15	1
Bromodichloromethane	ND		ug/kg	1.3	0.23	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.16	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	0.16	1
Bromoform	ND		ug/kg	5.4	0.32	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	0.14	1
Benzene	ND		ug/kg	1.3	0.16	1
Toluene	ND		ug/kg	2.0	0.26	1
Ethylbenzene	ND		ug/kg	1.3	0.17	1
Chloromethane	ND		ug/kg	6.7	0.40	1
Bromomethane	ND		ug/kg	2.7	0.46	1
Vinyl chloride	ND		ug/kg	2.7	0.16	1
Chloroethane	ND		ug/kg	2.7	0.42	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.35	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.28	1
Trichloroethene	ND		ug/kg	1.3	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	6.7	0.21	1
1,3-Dichlorobenzene	ND		ug/kg	6.7	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	6.7	0.19	1

Project Name: 15 LA RIVIERE DR AND WILKESON**Lab Number:** L1530137**Project Number:** 0136-013-007**Report Date:** 11/25/15**SAMPLE RESULTS****Lab ID:** L1530137-04**Date Collected:** 11/16/15 15:39**Client ID:** BCP-MW-4 (12-16)**Date Received:** 11/17/15**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	2.7	0.11	1
p/m-Xylene	ND		ug/kg	2.7	0.27	1
o-Xylene	ND		ug/kg	2.7	0.23	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.19	1
Styrene	ND		ug/kg	2.7	0.54	1
Dichlorodifluoromethane	ND		ug/kg	13	0.26	1
Acetone	14		ug/kg	13	1.4	1
Carbon disulfide	ND		ug/kg	13	1.5	1
2-Butanone	ND		ug/kg	13	0.37	1
4-Methyl-2-pentanone	ND		ug/kg	13	0.33	1
2-Hexanone	ND		ug/kg	13	0.90	1
Bromochloromethane	ND		ug/kg	6.7	0.37	1
1,2-Dibromoethane	ND		ug/kg	5.4	0.23	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.7	0.53	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.7	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.7	0.24	1
Methyl Acetate	ND		ug/kg	27	0.36	1
Cyclohexane	ND		ug/kg	27	0.20	1
1,4-Dioxane	ND		ug/kg	130	19.	1
Freon-113	ND		ug/kg	27	0.37	1
Methyl cyclohexane	ND		ug/kg	5.4	0.21	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	107		70-130

Project Name: 15 LA RIVIERE DR AND WILKESON**Lab Number:** L1530137**Project Number:** 0136-013-007**Report Date:** 11/25/15**SAMPLE RESULTS**

Lab ID: L1530137-05
Client ID: BLIND DUP #1
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/23/15 22:10
Analyst: PP
Percent Solids: 82%

Date Collected: 11/16/15 12:00
Date Received: 11/17/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	15	1.7	1
1,1-Dichloroethane	ND		ug/kg	2.3	0.13	1
Chloroform	ND		ug/kg	2.3	0.57	1
Carbon tetrachloride	ND		ug/kg	1.5	0.32	1
1,2-Dichloropropane	ND		ug/kg	5.4	0.35	1
Dibromochloromethane	ND		ug/kg	1.5	0.24	1
1,1,2-Trichloroethane	ND		ug/kg	2.3	0.47	1
Tetrachloroethene	ND		ug/kg	1.5	0.22	1
Chlorobenzene	ND		ug/kg	1.5	0.53	1
Trichlorofluoromethane	ND		ug/kg	7.7	0.60	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.17	1
1,1,1-Trichloroethane	ND		ug/kg	1.5	0.17	1
Bromodichloromethane	ND		ug/kg	1.5	0.26	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.18	1
cis-1,3-Dichloropropene	ND		ug/kg	1.5	0.18	1
Bromoform	ND		ug/kg	6.1	0.36	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.5	0.15	1
Benzene	ND		ug/kg	1.5	0.18	1
Toluene	ND		ug/kg	2.3	0.30	1
Ethylbenzene	ND		ug/kg	1.5	0.20	1
Chloromethane	ND		ug/kg	7.7	0.45	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	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.40	1
trans-1,2-Dichloroethene	ND		ug/kg	2.3	0.32	1
Trichloroethene	ND		ug/kg	1.5	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	7.7	0.23	1
1,3-Dichlorobenzene	ND		ug/kg	7.7	0.21	1
1,4-Dichlorobenzene	ND		ug/kg	7.7	0.21	1

Project Name: 15 LA RIVIERE DR AND WILKESON**Lab Number:** L1530137**Project Number:** 0136-013-007**Report Date:** 11/25/15**SAMPLE RESULTS**

Lab ID: L1530137-05
 Client ID: BLIND DUP #1
 Sample Location: BUFFALO, NY

Date Collected: 11/16/15 12:00
 Date Received: 11/17/15
 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	3.1	0.13	1
p/m-Xylene	ND		ug/kg	3.1	0.30	1
o-Xylene	ND		ug/kg	3.1	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Styrene	ND		ug/kg	3.1	0.62	1
Dichlorodifluoromethane	ND		ug/kg	15	0.29	1
Acetone	18		ug/kg	15	1.6	1
Carbon disulfide	ND		ug/kg	15	1.7	1
2-Butanone	ND		ug/kg	15	0.42	1
4-Methyl-2-pentanone	ND		ug/kg	15	0.37	1
2-Hexanone	ND		ug/kg	15	1.0	1
Bromochloromethane	ND		ug/kg	7.7	0.42	1
1,2-Dibromoethane	ND		ug/kg	6.1	0.27	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.7	0.61	1
Isopropylbenzene	ND		ug/kg	1.5	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.7	0.23	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.7	0.28	1
Methyl Acetate	ND		ug/kg	31	0.41	1
Cyclohexane	ND		ug/kg	31	0.22	1
1,4-Dioxane	ND		ug/kg	150	22.	1
Freon-113	ND		ug/kg	31	0.42	1
Methyl cyclohexane	ND		ug/kg	6.1	0.24	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	109		70-130

Project Name: 15 LA RIVIERE DR AND WILKESON

Lab Number: L1530137

Project Number: 0136-013-007

Report Date: 11/25/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/23/15 21:16

Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 04-05 Batch: WG843809-3					
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	ND		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: 15 LA RIVIERE DR AND WILKESON

Lab Number: L1530137

Project Number: 0136-013-007

Report Date: 11/25/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/23/15 21:16

Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 04-05 Batch: WG843809-3					
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	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		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
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Isopropylbenzene	ND		ug/kg	1.0	0.10
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
Methyl Acetate	ND		ug/kg	20	0.27
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
Freon-113	ND		ug/kg	20	0.27
Methyl cyclohexane	ND		ug/kg	4.0	0.15

Project Name: 15 LA RIVIERE DR AND WILKESON**Lab Number:** L1530137**Project Number:** 0136-013-007**Report Date:** 11/25/15**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/23/15 21:16

Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 04-05 Batch: WG843809-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	106		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 15 LA RIVIERE DR AND WILKESON

Project Number: 0136-013-007

Lab Number: L1530137

Report Date: 11/25/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04-05 Batch: WG843809-1 WG843809-2								
Methylene chloride	104		99		70-130	5		30
1,1-Dichloroethane	105		98		70-130	7		30
Chloroform	111		105		70-130	6		30
Carbon tetrachloride	116		102		70-130	13		30
1,2-Dichloropropane	102		98		70-130	4		30
Dibromochloromethane	106		105		70-130	1		30
2-Chloroethylvinyl ether	101		104		70-130	3		30
1,1,2-Trichloroethane	101		100		70-130	1		30
Tetrachloroethene	105		92		70-130	13		30
Chlorobenzene	102		96		70-130	6		30
Trichlorofluoromethane	115		95		70-139	19		30
1,2-Dichloroethane	121		118		70-130	3		30
1,1,1-Trichloroethane	116		101		70-130	14		30
Bromodichloromethane	114		108		70-130	5		30
trans-1,3-Dichloropropene	105		105		70-130	0		30
cis-1,3-Dichloropropene	109		107		70-130	2		30
1,1-Dichloropropene	103		90		70-130	13		30
Bromoform	102		102		70-130	0		30
1,1,2,2-Tetrachloroethane	97		98		70-130	1		30
Benzene	104		96		70-130	8		30
Toluene	96		90		70-130	6		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 15 LA RIVIERE DR AND WILKESON
Project Number: 0136-013-007

Lab Number: L1530137
Report Date: 11/25/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04-05 Batch: WG843809-1 WG843809-2								
Ethylbenzene	101		93		70-130	8		30
Chloromethane	100		93		52-130	7		30
Bromomethane	113		111		57-147	2		30
Vinyl chloride	102		92		67-130	10		30
Chloroethane	115		107		50-151	7		30
1,1-Dichloroethene	106		92		65-135	14		30
trans-1,2-Dichloroethene	101		94		70-130	7		30
Trichloroethene	108		100		70-130	8		30
1,2-Dichlorobenzene	100		97		70-130	3		30
1,3-Dichlorobenzene	101		97		70-130	4		30
1,4-Dichlorobenzene	99		95		70-130	4		30
Methyl tert butyl ether	108		109		66-130	1		30
p/m-Xylene	105		96		70-130	9		30
o-Xylene	105		100		70-130	5		30
cis-1,2-Dichloroethene	104		98		70-130	6		30
Dibromomethane	114		109		70-130	4		30
Styrene	108		100		70-130	8		30
Dichlorodifluoromethane	112		95		30-146	16		30
Acetone	115		125		54-140	8		30
Carbon disulfide	95		85		59-130	11		30
2-Butanone	110		122		70-130	10		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 15 LA RIVIERE DR AND WILKESON
Project Number: 0136-013-007

Lab Number: L1530137
Report Date: 11/25/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04-05 Batch: WG843809-1 WG843809-2								
Vinyl acetate	118		118		70-130	0		30
4-Methyl-2-pentanone	103		107		70-130	4		30
1,2,3-Trichloropropane	99		103		68-130	4		30
2-Hexanone	102		108		70-130	6		30
Bromochloromethane	116		108		70-130	7		30
2,2-Dichloropropane	116		100		70-130	15		30
1,2-Dibromoethane	105		104		70-130	1		30
1,3-Dichloropropane	102		101		69-130	1		30
1,1,1,2-Tetrachloroethane	108		103		70-130	5		30
Bromobenzene	98		96		70-130	2		30
n-Butylbenzene	99		87		70-130	13		30
sec-Butylbenzene	98		86		70-130	13		30
tert-Butylbenzene	99		89		70-130	11		30
o-Chlorotoluene	94		90		70-130	4		30
p-Chlorotoluene	100		94		70-130	6		30
1,2-Dibromo-3-chloropropane	99		101		68-130	2		30
Hexachlorobutadiene	103		89		67-130	15		30
Isopropylbenzene	95		86		70-130	10		30
p-Isopropyltoluene	100		91		70-130	9		30
Naphthalene	98		100		70-130	2		30
Acrylonitrile	114		121		70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 15 LA RIVIERE DR AND WILKESON
Project Number: 0136-013-007

Lab Number: L1530137
Report Date: 11/25/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04-05 Batch: WG843809-1 WG843809-2								
Isopropyl Ether	104		103		66-130	1		30
tert-Butyl Alcohol	115		123		70-130	7		30
n-Propylbenzene	95		86		70-130	10		30
1,2,3-Trichlorobenzene	101		99		70-130	2		30
1,2,4-Trichlorobenzene	98		95		70-130	3		30
1,3,5-Trimethylbenzene	100		92		70-130	8		30
1,2,4-Trimethylbenzene	101		95		70-130	6		30
Methyl Acetate	116		120		51-146	3		30
Ethyl Acetate	117		120		70-130	3		30
Acrolein	102		108		70-130	6		30
Cyclohexane	101		84		59-142	18		30
1,4-Dioxane	101		105		65-136	4		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	106		89		50-139	17		30
p-Diethylbenzene	98		89		70-130	10		30
p-Ethyltoluene	98		89		70-130	10		30
1,2,4,5-Tetramethylbenzene	98		92		70-130	6		30
Tetrahydrofuran	118		123		66-130	4		30
Ethyl ether	107		106		67-130	1		30
trans-1,4-Dichloro-2-butene	110		114		70-130	4		30
Methyl cyclohexane	102		83		70-130	21		30
Ethyl-Tert-Butyl-Ether	108		106		70-130	2		30

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 15 LA RIVIERE DR AND WILKESON**Lab Number:** L1530137**Project Number:** 0136-013-007**Report Date:** 11/25/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04-05 Batch: WG843809-1 WG843809-2								
Tertiary-Amyl Methyl Ether	108		108		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	115		115		70-130
Toluene-d8	95		98		70-130
4-Bromofluorobenzene	93		94		70-130
Dibromofluoromethane	107		107		70-130

SEMIVOLATILES

Project Name: 15 LA RIVIERE DR AND WILKESON**Lab Number:** L1530137**Project Number:** 0136-013-007**Report Date:** 11/25/15**SAMPLE RESULTS**

Lab ID: L1530137-01 D
Client ID: BCP-MW-1 (4-6)
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/24/15 22:48
Analyst: AL
Percent Solids: 92%

Date Collected: 11/16/15 11:56
Date Received: 11/17/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/24/15 01:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1200		ug/kg	290	74.	2
Hexachlorobenzene	ND		ug/kg	220	67.	2
Bis(2-chloroethyl)ether	ND		ug/kg	320	100	2
2-Chloronaphthalene	ND		ug/kg	360	120	2
3,3'-Dichlorobenzidine	ND		ug/kg	360	96.	2
2,4-Dinitrotoluene	ND		ug/kg	360	78.	2
2,6-Dinitrotoluene	ND		ug/kg	360	92.	2
Fluoranthene	14000		ug/kg	220	66.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	360	110	2
4-Bromophenyl phenyl ether	ND		ug/kg	360	83.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	430	130	2
Bis(2-chloroethoxy)methane	ND		ug/kg	390	110	2
Hexachlorobutadiene	ND		ug/kg	360	100	2
Hexachlorocyclopentadiene	ND		ug/kg	1000	230	2
Hexachloroethane	ND		ug/kg	290	66.	2
Isophorone	ND		ug/kg	320	96.	2
Naphthalene	960		ug/kg	360	120	2
Nitrobenzene	ND		ug/kg	320	86.	2
NDPA/DPA	ND		ug/kg	290	76.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	360	110	2
Bis(2-ethylhexyl)phthalate	ND		ug/kg	360	94.	2
Butyl benzyl phthalate	ND		ug/kg	360	70.	2
Di-n-butylphthalate	260	J	ug/kg	360	70.	2
Di-n-octylphthalate	ND		ug/kg	360	89.	2
Diethyl phthalate	ND		ug/kg	360	76.	2
Dimethyl phthalate	ND		ug/kg	360	92.	2
Benzo(a)anthracene	9400		ug/kg	220	71.	2
Benzo(a)pyrene	6600		ug/kg	290	88.	2
Benzo(b)fluoranthene	8000		ug/kg	220	73.	2
Benzo(k)fluoranthene	4100		ug/kg	220	69.	2

Project Name: 15 LA RIVIERE DR AND WILKESON

Lab Number: L1530137

Project Number: 0136-013-007

Report Date: 11/25/15

SAMPLE RESULTS

Lab ID: L1530137-01 D

Date Collected: 11/16/15 11:56

Client ID: BCP-MW-1 (4-6)

Date Received: 11/17/15

Sample Location: BUFFALO, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	7000		ug/kg	220	71.	2
Acenaphthylene	1500		ug/kg	290	67.	2
Anthracene	4000		ug/kg	220	60.	2
Benzo(ghi)perylene	4100		ug/kg	290	75.	2
Fluorene	2000		ug/kg	360	100	2
Phenanthrene	8900		ug/kg	220	70.	2
Dibenzo(a,h)anthracene	1300		ug/kg	220	70.	2
Indeno(1,2,3-cd)pyrene	4500		ug/kg	290	80.	2
Pyrene	11000		ug/kg	220	70.	2
Biphenyl	180	J	ug/kg	820	120	2
4-Chloroaniline	ND		ug/kg	360	95.	2
2-Nitroaniline	ND		ug/kg	360	100	2
3-Nitroaniline	ND		ug/kg	360	100	2
4-Nitroaniline	ND		ug/kg	360	97.	2
Dibenzofuran	1100		ug/kg	360	120	2
2-Methylnaphthalene	570		ug/kg	430	120	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	360	110	2
Acetophenone	ND		ug/kg	360	110	2
2,4,6-Trichlorophenol	ND		ug/kg	220	68.	2
p-Chloro-m-cresol	ND		ug/kg	360	100	2
2-Chlorophenol	ND		ug/kg	360	110	2
2,4-Dichlorophenol	ND		ug/kg	320	120	2
2,4-Dimethylphenol	ND		ug/kg	360	110	2
2-Nitrophenol	ND		ug/kg	780	110	2
4-Nitrophenol	ND		ug/kg	500	120	2
2,4-Dinitrophenol	ND		ug/kg	1700	490	2
4,6-Dinitro-o-cresol	ND		ug/kg	940	130	2
Pentachlorophenol	ND		ug/kg	290	77.	2
Phenol	ND		ug/kg	360	110	2
2-Methylphenol	ND		ug/kg	360	120	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	520	120	2
2,4,5-Trichlorophenol	ND		ug/kg	360	120	2
Carbazole	1300		ug/kg	360	78.	2
Benzaldehyde	ND		ug/kg	480	140	2
Caprolactam	ND		ug/kg	360	100	2
Atrazine	ND		ug/kg	290	82.	2
2,3,4,6-Tetrachlorophenol	ND		ug/kg	360	61.	2

Project Name: 15 LA RIVIERE DR AND WILKESON**Lab Number:** L1530137**Project Number:** 0136-013-007**Report Date:** 11/25/15**SAMPLE RESULTS**

Lab ID: L1530137-01 D

Date Collected: 11/16/15 11:56

Client ID: BCP-MW-1 (4-6)

Date Received: 11/17/15

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	86		25-120
Phenol-d6	86		10-120
Nitrobenzene-d5	109		23-120
2-Fluorobiphenyl	108		30-120
2,4,6-Tribromophenol	103		10-136
4-Terphenyl-d14	112		18-120

Project Name: 15 LA RIVIERE DR AND WILKESON**Lab Number:** L1530137**Project Number:** 0136-013-007**Report Date:** 11/25/15**SAMPLE RESULTS**

Lab ID: L1530137-02
Client ID: BCP-MW-2 (5.5-7.5)
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/24/15 23:16
Analyst: AL
Percent Solids: 81%

Date Collected: 11/16/15 10:37
Date Received: 11/17/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/24/15 01:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	120	J	ug/kg	160	42.	1
Hexachlorobenzene	ND		ug/kg	120	38.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	57.	1
2-Chloronaphthalene	ND		ug/kg	200	66.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	44.	1
2,6-Dinitrotoluene	ND		ug/kg	200	52.	1
Fluoranthene	2200		ug/kg	120	37.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	62.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	47.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	71.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	61.	1
Hexachlorobutadiene	ND		ug/kg	200	57.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	130	1
Hexachloroethane	ND		ug/kg	160	37.	1
Isophorone	ND		ug/kg	180	54.	1
Naphthalene	140	J	ug/kg	200	67.	1
Nitrobenzene	ND		ug/kg	180	48.	1
NDPA/DPA	ND		ug/kg	160	42.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	60.	1
Bis(2-ethylhexyl)phthalate	150	J	ug/kg	200	53.	1
Butyl benzyl phthalate	ND		ug/kg	200	40.	1
Di-n-butylphthalate	ND		ug/kg	200	39.	1
Di-n-octylphthalate	ND		ug/kg	200	50.	1
Diethyl phthalate	ND		ug/kg	200	43.	1
Dimethyl phthalate	ND		ug/kg	200	51.	1
Benzo(a)anthracene	1200		ug/kg	120	40.	1
Benzo(a)pyrene	980		ug/kg	160	50.	1
Benzo(b)fluoranthene	1100		ug/kg	120	41.	1
Benzo(k)fluoranthene	540		ug/kg	120	39.	1

Project Name: 15 LA RIVIERE DR AND WILKESON**Lab Number:** L1530137**Project Number:** 0136-013-007**Report Date:** 11/25/15**SAMPLE RESULTS**

Lab ID: L1530137-02
Client ID: BCP-MW-2 (5.5-7.5)
Sample Location: BUFFALO, NY

Date Collected: 11/16/15 10:37
Date Received: 11/17/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	960		ug/kg	120	40.	1
Acenaphthylene	190		ug/kg	160	38.	1
Anthracene	410		ug/kg	120	34.	1
Benzo(ghi)perylene	630		ug/kg	160	42.	1
Fluorene	130	J	ug/kg	200	58.	1
Phenanthrene	1200		ug/kg	120	40.	1
Dibenzo(a,h)anthracene	180		ug/kg	120	39.	1
Indeno(1,2,3-cd)pyrene	720		ug/kg	160	45.	1
Pyrene	1900		ug/kg	120	39.	1
Biphenyl	ND		ug/kg	460	67.	1
4-Chloroaniline	ND		ug/kg	200	54.	1
2-Nitroaniline	ND		ug/kg	200	57.	1
3-Nitroaniline	ND		ug/kg	200	56.	1
4-Nitroaniline	ND		ug/kg	200	55.	1
Dibenzofuran	87	J	ug/kg	200	68.	1
2-Methylnaphthalene	88	J	ug/kg	240	65.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	63.	1
Acetophenone	ND		ug/kg	200	63.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	59.	1
2-Chlorophenol	ND		ug/kg	200	61.	1
2,4-Dichlorophenol	ND		ug/kg	180	66.	1
2,4-Dimethylphenol	ND		ug/kg	200	60.	1
2-Nitrophenol	ND		ug/kg	440	63.	1
4-Nitrophenol	ND		ug/kg	280	66.	1
2,4-Dinitrophenol	ND		ug/kg	970	280	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	74.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	81	J	ug/kg	200	60.	1
2-Methylphenol	ND		ug/kg	200	65.	1
3-Methylphenol/4-Methylphenol	110	J	ug/kg	290	66.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	66.	1
Carbazole	160	J	ug/kg	200	44.	1
Benzaldehyde	130	J	ug/kg	270	82.	1
Caprolactam	ND		ug/kg	200	56.	1
Atrazine	ND		ug/kg	160	46.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	34.	1

Project Name: 15 LA RIVIERE DR AND WILKESON**Lab Number:** L1530137**Project Number:** 0136-013-007**Report Date:** 11/25/15**SAMPLE RESULTS****Lab ID:** L1530137-02**Date Collected:** 11/16/15 10:37**Client ID:** BCP-MW-2 (5.5-7.5)**Date Received:** 11/17/15**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	82		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	91		23-120
2-Fluorobiphenyl	92		30-120
2,4,6-Tribromophenol	97		10-136
4-Terphenyl-d14	96		18-120

Project Name: 15 LA RIVIERE DR AND WILKESON**Lab Number:** L1530137**Project Number:** 0136-013-007**Report Date:** 11/25/15**SAMPLE RESULTS**

Lab ID: L1530137-03
Client ID: BCP-MW-3 (2-6)
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/24/15 23:43
Analyst: AL
Percent Solids: 85%

Date Collected: 11/16/15 09:34
Date Received: 11/17/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/24/15 01:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1500		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	190	64.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	52.	1
2,4-Dinitrotoluene	ND		ug/kg	190	42.	1
2,6-Dinitrotoluene	ND		ug/kg	190	50.	1
Fluoranthene	10000	E	ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	59.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	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	190	55.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	120	1
Hexachloroethane	ND		ug/kg	160	35.	1
Isophorone	ND		ug/kg	180	52.	1
Naphthalene	1300		ug/kg	190	65.	1
Nitrobenzene	92	J	ug/kg	180	46.	1
NDPA/DPA	ND		ug/kg	160	41.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	58.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	51.	1
Butyl benzyl phthalate	ND		ug/kg	190	38.	1
Di-n-butylphthalate	ND		ug/kg	190	38.	1
Di-n-octylphthalate	ND		ug/kg	190	48.	1
Diethyl phthalate	ND		ug/kg	190	41.	1
Dimethyl phthalate	ND		ug/kg	190	50.	1
Benzo(a)anthracene	7600		ug/kg	120	38.	1
Benzo(a)pyrene	5200		ug/kg	160	48.	1
Benzo(b)fluoranthene	7500		ug/kg	120	39.	1
Benzo(k)fluoranthene	2800		ug/kg	120	37.	1

Project Name: 15 LA RIVIERE DR AND WILKESON**Lab Number:** L1530137**Project Number:** 0136-013-007**Report Date:** 11/25/15**SAMPLE RESULTS****Lab ID:** L1530137-03**Date Collected:** 11/16/15 09:34**Client ID:** BCP-MW-3 (2-6)**Date Received:** 11/17/15**Sample Location:** BUFFALO, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	5700		ug/kg	120	38.	1
Acenaphthylene	760		ug/kg	160	36.	1
Anthracene	3500		ug/kg	120	32.	1
Benzo(ghi)perylene	3500		ug/kg	160	40.	1
Fluorene	1700		ug/kg	190	56.	1
Phenanthrene	7400		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	1000		ug/kg	120	38.	1
Indeno(1,2,3-cd)pyrene	3600		ug/kg	160	43.	1
Pyrene	8100	E	ug/kg	120	38.	1
Biphenyl	230	J	ug/kg	440	64.	1
4-Chloroaniline	ND		ug/kg	190	51.	1
2-Nitroaniline	ND		ug/kg	190	55.	1
3-Nitroaniline	ND		ug/kg	190	54.	1
4-Nitroaniline	ND		ug/kg	190	53.	1
Dibenzofuran	1200		ug/kg	190	65.	1
2-Methylnaphthalene	1300		ug/kg	230	62.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	60.	1
Acetophenone	71	J	ug/kg	190	60.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	190	56.	1
2-Chlorophenol	ND		ug/kg	190	59.	1
2,4-Dichlorophenol	ND		ug/kg	180	63.	1
2,4-Dimethylphenol	81	J	ug/kg	190	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	71.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	190	58.	1
2-Methylphenol	ND		ug/kg	190	63.	1
3-Methylphenol/4-Methylphenol	120	J	ug/kg	280	64.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	63.	1
Carbazole	1400		ug/kg	190	42.	1
Benzaldehyde	ND		ug/kg	260	79.	1
Caprolactam	ND		ug/kg	190	54.	1
Atrazine	ND		ug/kg	160	44.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	33.	1

Project Name: 15 LA RIVIERE DR AND WILKESON**Lab Number:** L1530137**Project Number:** 0136-013-007**Report Date:** 11/25/15**SAMPLE RESULTS****Lab ID:** L1530137-03**Date Collected:** 11/16/15 09:34**Client ID:** BCP-MW-3 (2-6)**Date Received:** 11/17/15**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	64		25-120
Phenol-d6	73		10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	93		30-120
2,4,6-Tribromophenol	67		10-136
4-Terphenyl-d14	90		18-120

Project Name: 15 LA RIVIERE DR AND WILKESON
Project Number: 0136-013-007

Lab Number: L1530137
Report Date: 11/25/15

SAMPLE RESULTS

Lab ID: L1530137-03 D
 Client ID: BCP-MW-3 (2-6)
 Sample Location: BUFFALO, NY
 Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 11/25/15 13:48
 Analyst: AL
 Percent Solids: 85%

Date Collected: 11/16/15 09:34
 Date Received: 11/17/15
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 11/24/15 01:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Fluoranthene	12000		ug/kg	470	140	4
Pyrene	10000		ug/kg	470	150	4

Project Name: 15 LA RIVIERE DR AND WILKESON**Lab Number:** L1530137**Project Number:** 0136-013-007**Report Date:** 11/25/15**SAMPLE RESULTS**

Lab ID: L1530137-04
Client ID: BCP-MW-4 (12-16)
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/25/15 00:11
Analyst: AL
Percent Solids: 83%

Date Collected: 11/16/15 15:39
Date Received: 11/17/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/24/15 01:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	41.	1
Hexachlorobenzene	ND		ug/kg	120	37.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	56.	1
2-Chloronaphthalene	ND		ug/kg	200	65.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	43.	1
2,6-Dinitrotoluene	ND		ug/kg	200	51.	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	46.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	70.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	60.	1
Hexachlorobutadiene	ND		ug/kg	200	56.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	130	1
Hexachloroethane	ND		ug/kg	160	36.	1
Isophorone	ND		ug/kg	180	53.	1
Naphthalene	ND		ug/kg	200	66.	1
Nitrobenzene	ND		ug/kg	180	47.	1
NDPA/DPA	ND		ug/kg	160	42.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	59.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	52.	1
Butyl benzyl phthalate	ND		ug/kg	200	39.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	49.	1
Diethyl phthalate	ND		ug/kg	200	42.	1
Dimethyl phthalate	ND		ug/kg	200	50.	1
Benzo(a)anthracene	ND		ug/kg	120	39.	1
Benzo(a)pyrene	ND		ug/kg	160	49.	1
Benzo(b)fluoranthene	ND		ug/kg	120	40.	1
Benzo(k)fluoranthene	ND		ug/kg	120	38.	1

Project Name: 15 LA RIVIERE DR AND WILKESON**Lab Number:** L1530137**Project Number:** 0136-013-007**Report Date:** 11/25/15**SAMPLE RESULTS****Lab ID:** L1530137-04**Date Collected:** 11/16/15 15:39**Client ID:** BCP-MW-4 (12-16)**Date Received:** 11/17/15**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	39.	1
Acenaphthylene	ND		ug/kg	160	37.	1
Anthracene	ND		ug/kg	120	33.	1
Benzo(ghi)perylene	ND		ug/kg	160	41.	1
Fluorene	ND		ug/kg	200	57.	1
Phenanthrene	ND		ug/kg	120	39.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	38.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	44.	1
Pyrene	ND		ug/kg	120	39.	1
Biphenyl	ND		ug/kg	450	66.	1
4-Chloroaniline	ND		ug/kg	200	52.	1
2-Nitroaniline	ND		ug/kg	200	56.	1
3-Nitroaniline	ND		ug/kg	200	55.	1
4-Nitroaniline	ND		ug/kg	200	54.	1
Dibenzofuran	ND		ug/kg	200	66.	1
2-Methylnaphthalene	ND		ug/kg	240	64.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	62.	1
Acetophenone	ND		ug/kg	200	62.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	58.	1
2-Chlorophenol	ND		ug/kg	200	60.	1
2,4-Dichlorophenol	ND		ug/kg	180	64.	1
2,4-Dimethylphenol	ND		ug/kg	200	59.	1
2-Nitrophenol	ND		ug/kg	430	62.	1
4-Nitrophenol	ND		ug/kg	280	64.	1
2,4-Dinitrophenol	ND		ug/kg	960	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	73.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	200	59.	1
2-Methylphenol	ND		ug/kg	200	64.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	65.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	64.	1
Carbazole	ND		ug/kg	200	43.	1
Benzaldehyde	ND		ug/kg	260	80.	1
Caprolactam	ND		ug/kg	200	55.	1
Atrazine	ND		ug/kg	160	45.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	34.	1

Project Name: 15 LA RIVIERE DR AND WILKESON**Lab Number:** L1530137**Project Number:** 0136-013-007**Report Date:** 11/25/15**SAMPLE RESULTS****Lab ID:** L1530137-04**Date Collected:** 11/16/15 15:39**Client ID:** BCP-MW-4 (12-16)**Date Received:** 11/17/15**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	83		25-120
Phenol-d6	88		10-120
Nitrobenzene-d5	91		23-120
2-Fluorobiphenyl	93		30-120
2,4,6-Tribromophenol	100		10-136
4-Terphenyl-d14	103		18-120

Project Name: 15 LA RIVIERE DR AND WILKESON**Lab Number:** L1530137**Project Number:** 0136-013-007**Report Date:** 11/25/15**SAMPLE RESULTS**

Lab ID: L1530137-05
Client ID: BLIND DUP #1
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/25/15 00:38
Analyst: AL
Percent Solids: 82%

Date Collected: 11/16/15 12:00
Date Received: 11/17/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/24/15 01:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	41.	1
Hexachlorobenzene	ND		ug/kg	120	37.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	56.	1
2-Chloronaphthalene	ND		ug/kg	200	65.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	43.	1
2,6-Dinitrotoluene	ND		ug/kg	200	51.	1
Fluoranthene	ND		ug/kg	120	37.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	61.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	46.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	70.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	60.	1
Hexachlorobutadiene	ND		ug/kg	200	56.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	130	1
Hexachloroethane	ND		ug/kg	160	36.	1
Isophorone	ND		ug/kg	180	53.	1
Naphthalene	ND		ug/kg	200	66.	1
Nitrobenzene	ND		ug/kg	180	47.	1
NDPA/DPA	ND		ug/kg	160	42.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	59.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	52.	1
Butyl benzyl phthalate	ND		ug/kg	200	39.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	49.	1
Diethyl phthalate	ND		ug/kg	200	42.	1
Dimethyl phthalate	ND		ug/kg	200	51.	1
Benzo(a)anthracene	ND		ug/kg	120	39.	1
Benzo(a)pyrene	ND		ug/kg	160	49.	1
Benzo(b)fluoranthene	ND		ug/kg	120	40.	1
Benzo(k)fluoranthene	ND		ug/kg	120	38.	1

Project Name: 15 LA RIVIERE DR AND WILKESON

Lab Number: L1530137

Project Number: 0136-013-007

Report Date: 11/25/15

SAMPLE RESULTS

Lab ID: L1530137-05

Date Collected: 11/16/15 12:00

Client ID: BLIND DUP #1

Date Received: 11/17/15

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	39.	1
Acenaphthylene	ND		ug/kg	160	37.	1
Anthracene	ND		ug/kg	120	33.	1
Benzo(ghi)perylene	ND		ug/kg	160	42.	1
Fluorene	ND		ug/kg	200	57.	1
Phenanthrene	ND		ug/kg	120	39.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	39.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	44.	1
Pyrene	ND		ug/kg	120	39.	1
Biphenyl	ND		ug/kg	460	66.	1
4-Chloroaniline	ND		ug/kg	200	53.	1
2-Nitroaniline	ND		ug/kg	200	56.	1
3-Nitroaniline	ND		ug/kg	200	55.	1
4-Nitroaniline	ND		ug/kg	200	54.	1
Dibenzofuran	ND		ug/kg	200	67.	1
2-Methylnaphthalene	ND		ug/kg	240	64.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	62.	1
Acetophenone	ND		ug/kg	200	62.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	58.	1
2-Chlorophenol	ND		ug/kg	200	60.	1
2,4-Dichlorophenol	ND		ug/kg	180	65.	1
2,4-Dimethylphenol	ND		ug/kg	200	59.	1
2-Nitrophenol	ND		ug/kg	430	62.	1
4-Nitrophenol	ND		ug/kg	280	65.	1
2,4-Dinitrophenol	ND		ug/kg	960	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	73.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	200	59.	1
2-Methylphenol	ND		ug/kg	200	64.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	65.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	65.	1
Carbazole	ND		ug/kg	200	43.	1
Benzaldehyde	ND		ug/kg	260	81.	1
Caprolactam	ND		ug/kg	200	55.	1
Atrazine	ND		ug/kg	160	45.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	34.	1

Project Name: 15 LA RIVIERE DR AND WILKESON**Lab Number:** L1530137**Project Number:** 0136-013-007**Report Date:** 11/25/15**SAMPLE RESULTS****Lab ID:** L1530137-05**Date Collected:** 11/16/15 12:00**Client ID:** BLIND DUP #1**Date Received:** 11/17/15**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	59		25-120
Phenol-d6	62		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	87		10-136
4-Terphenyl-d14	86		18-120

Project Name: 15 LA RIVIERE DR AND WILKESON**Lab Number:** L1530137**Project Number:** 0136-013-007**Report Date:** 11/25/15**SAMPLE RESULTS**

Lab ID: L1530137-06
Client ID: BCP-MW-6 (2-4)
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/25/15 01:06
Analyst: AL
Percent Solids: 87%

Date Collected: 11/16/15 13:13
Date Received: 11/17/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/24/15 01:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	220		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	3700		ug/kg	110	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	67.	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	200		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	50.	1
Butyl benzyl phthalate	ND		ug/kg	190	37.	1
Di-n-butylphthalate	77	J	ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	47.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	48.	1
Benzo(a)anthracene	2100		ug/kg	110	37.	1
Benzo(a)pyrene	1600		ug/kg	150	46.	1
Benzo(b)fluoranthene	2000		ug/kg	110	38.	1
Benzo(k)fluoranthene	900		ug/kg	110	36.	1

Project Name: 15 LA RIVIERE DR AND WILKESON**Lab Number:** L1530137**Project Number:** 0136-013-007**Report Date:** 11/25/15**SAMPLE RESULTS****Lab ID:** L1530137-06**Date Collected:** 11/16/15 13:13**Client ID:** BCP-MW-6 (2-4)**Date Received:** 11/17/15**Sample Location:** BUFFALO, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	1800		ug/kg	110	37.	1
Acenaphthylene	220		ug/kg	150	35.	1
Anthracene	670		ug/kg	110	32.	1
Benzo(ghi)perylene	1100		ug/kg	150	39.	1
Fluorene	270		ug/kg	190	54.	1
Phenanthrene	2100		ug/kg	110	37.	1
Dibenzo(a,h)anthracene	340		ug/kg	110	37.	1
Indeno(1,2,3-cd)pyrene	1200		ug/kg	150	42.	1
Pyrene	2800		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	160	J	ug/kg	190	63.	1
2-Methylnaphthalene	180	J	ug/kg	230	60.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	59.	1
Acetophenone	ND		ug/kg	190	59.	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	270		ug/kg	190	41.	1
Benzaldehyde	ND		ug/kg	250	77.	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: 15 LA RIVIERE DR AND WILKESON**Lab Number:** L1530137**Project Number:** 0136-013-007**Report Date:** 11/25/15**SAMPLE RESULTS****Lab ID:** L1530137-06**Date Collected:** 11/16/15 13:13**Client ID:** BCP-MW-6 (2-4)**Date Received:** 11/17/15**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	60		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	93		30-120
2,4,6-Tribromophenol	53		10-136
4-Terphenyl-d14	97		18-120

Project Name: 15 LA RIVIERE DR AND WILKESON**Lab Number:** L1530137**Project Number:** 0136-013-007**Report Date:** 11/25/15**SAMPLE RESULTS**

Lab ID: L1530137-07
Client ID: BCP-MW-7 (4-6)
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/25/15 01:34
Analyst: AL
Percent Solids: 80%

Date Collected: 11/16/15 14:09
Date Received: 11/17/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/24/15 01:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	650		ug/kg	160	42.	1
Hexachlorobenzene	ND		ug/kg	120	38.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	58.	1
2-Chloronaphthalene	ND		ug/kg	200	67.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	44.	1
2,6-Dinitrotoluene	ND		ug/kg	200	52.	1
Fluoranthene	4700		ug/kg	120	38.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	62.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	47.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	72.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	62.	1
Hexachlorobutadiene	ND		ug/kg	200	58.	1
Hexachlorocyclopentadiene	ND		ug/kg	590	130	1
Hexachloroethane	ND		ug/kg	160	37.	1
Isophorone	ND		ug/kg	180	54.	1
Naphthalene	330		ug/kg	200	68.	1
Nitrobenzene	ND		ug/kg	180	49.	1
NDPA/DPA	ND		ug/kg	160	43.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	61.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	54.	1
Butyl benzyl phthalate	ND		ug/kg	200	40.	1
Di-n-butylphthalate	ND		ug/kg	200	40.	1
Di-n-octylphthalate	ND		ug/kg	200	50.	1
Diethyl phthalate	ND		ug/kg	200	43.	1
Dimethyl phthalate	ND		ug/kg	200	52.	1
Benzo(a)anthracene	2500		ug/kg	120	40.	1
Benzo(a)pyrene	1800		ug/kg	160	50.	1
Benzo(b)fluoranthene	2100		ug/kg	120	41.	1
Benzo(k)fluoranthene	1000		ug/kg	120	39.	1

Project Name: 15 LA RIVIERE DR AND WILKESON

Lab Number: L1530137

Project Number: 0136-013-007

Report Date: 11/25/15

SAMPLE RESULTS

Lab ID: L1530137-07

Date Collected: 11/16/15 14:09

Client ID: BCP-MW-7 (4-6)

Date Received: 11/17/15

Sample Location: BUFFALO, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	2100		ug/kg	120	40.	1
Acenaphthylene	230		ug/kg	160	38.	1
Anthracene	1300		ug/kg	120	34.	1
Benzo(ghi)perylene	1000		ug/kg	160	43.	1
Fluorene	670		ug/kg	200	59.	1
Phenanthrene	4200		ug/kg	120	40.	1
Dibenzo(a,h)anthracene	370		ug/kg	120	40.	1
Indeno(1,2,3-cd)pyrene	1200		ug/kg	160	46.	1
Pyrene	3800		ug/kg	120	40.	1
Biphenyl	ND		ug/kg	470	68.	1
4-Chloroaniline	ND		ug/kg	200	54.	1
2-Nitroaniline	ND		ug/kg	200	58.	1
3-Nitroaniline	ND		ug/kg	200	57.	1
4-Nitroaniline	ND		ug/kg	200	55.	1
Dibenzofuran	440		ug/kg	200	68.	1
2-Methylnaphthalene	280		ug/kg	250	66.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	64.	1
Acetophenone	ND		ug/kg	200	64.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
p-Chloro-m-cresol	ND		ug/kg	200	59.	1
2-Chlorophenol	ND		ug/kg	200	62.	1
2,4-Dichlorophenol	ND		ug/kg	180	66.	1
2,4-Dimethylphenol	ND		ug/kg	200	61.	1
2-Nitrophenol	ND		ug/kg	440	64.	1
4-Nitrophenol	ND		ug/kg	290	66.	1
2,4-Dinitrophenol	ND		ug/kg	980	280	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	75.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	61.	1
2-Methylphenol	ND		ug/kg	200	66.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	67.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	66.	1
Carbazole	620		ug/kg	200	44.	1
Benzaldehyde	ND		ug/kg	270	83.	1
Caprolactam	ND		ug/kg	200	57.	1
Atrazine	ND		ug/kg	160	46.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	35.	1

Project Name: 15 LA RIVIERE DR AND WILKESON**Lab Number:** L1530137**Project Number:** 0136-013-007**Report Date:** 11/25/15**SAMPLE RESULTS****Lab ID:** L1530137-07**Date Collected:** 11/16/15 14:09**Client ID:** BCP-MW-7 (4-6)**Date Received:** 11/17/15**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	75		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	95		30-120
2,4,6-Tribromophenol	95		10-136
4-Terphenyl-d14	90		18-120

Project Name: 15 LA RIVIERE DR AND WILKESON**Lab Number:** L1530137**Project Number:** 0136-013-007**Report Date:** 11/25/15**SAMPLE RESULTS**

Lab ID: L1530137-08
Client ID: BCP-MW-8 (8-12)
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/25/15 02:01
Analyst: AL
Percent Solids: 88%

Date Collected: 11/16/15 15:10
Date Received: 11/17/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/24/15 01:55

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	170	52.	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	43.	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	34.	1
Isophorone	ND		ug/kg	170	49.	1
Naphthalene	ND		ug/kg	180	62.	1
Nitrobenzene	ND		ug/kg	170	44.	1
NDPA/DPA	ND		ug/kg	150	39.	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	36.	1
Di-n-octylphthalate	ND		ug/kg	180	46.	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: 15 LA RIVIERE DR AND WILKESON

Lab Number: L1530137

Project Number: 0136-013-007

Report Date: 11/25/15

SAMPLE RESULTS

Lab ID: L1530137-08

Date Collected: 11/16/15 15:10

Client ID: BCP-MW-8 (8-12)

Date Received: 11/17/15

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	35.	1
Anthracene	ND		ug/kg	110	31.	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	61.	1
4-Chloroaniline	ND		ug/kg	180	49.	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	62.	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	54.	1
2-Chlorophenol	ND		ug/kg	180	56.	1
2,4-Dichlorophenol	ND		ug/kg	170	60.	1
2,4-Dimethylphenol	ND		ug/kg	180	55.	1
2-Nitrophenol	ND		ug/kg	400	58.	1
4-Nitrophenol	ND		ug/kg	260	60.	1
2,4-Dinitrophenol	ND		ug/kg	890	250	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	68.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	55.	1
2-Methylphenol	ND		ug/kg	180	60.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	61.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	60.	1
Carbazole	ND		ug/kg	180	40.	1
Benzaldehyde	ND		ug/kg	240	75.	1
Caprolactam	ND		ug/kg	180	51.	1
Atrazine	ND		ug/kg	150	42.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	32.	1

Project Name: 15 LA RIVIERE DR AND WILKESON**Lab Number:** L1530137**Project Number:** 0136-013-007**Report Date:** 11/25/15**SAMPLE RESULTS****Lab ID:** L1530137-08**Date Collected:** 11/16/15 15:10**Client ID:** BCP-MW-8 (8-12)**Date Received:** 11/17/15**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	67		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	86		30-120
2,4,6-Tribromophenol	88		10-136
4-Terphenyl-d14	103		18-120

Project Name: 15 LA RIVIERE DR AND WILKESON**Lab Number:** L1530137**Project Number:** 0136-013-007**Report Date:** 11/25/15**SAMPLE RESULTS**

Lab ID: L1530137-09
Client ID: SS-3 (0-0.5)
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/25/15 14:59
Analyst: AL
Percent Solids: 79%

Date Collected: 11/17/15 09:51
Date Received: 11/17/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/24/15 01:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	70	J	ug/kg	170	43.	1
Hexachlorobenzene	ND		ug/kg	130	39.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	59.	1
2-Chloronaphthalene	ND		ug/kg	210	68.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	56.	1
2,4-Dinitrotoluene	ND		ug/kg	210	45.	1
2,6-Dinitrotoluene	ND		ug/kg	210	54.	1
Fluoranthene	1400		ug/kg	130	38.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	64.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	48.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	74.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	64.	1
Hexachlorobutadiene	ND		ug/kg	210	59.	1
Hexachlorocyclopentadiene	ND		ug/kg	600	130	1
Hexachloroethane	ND		ug/kg	170	38.	1
Isophorone	ND		ug/kg	190	56.	1
Naphthalene	ND		ug/kg	210	70.	1
Nitrobenzene	ND		ug/kg	190	50.	1
NDPA/DPA	ND		ug/kg	170	44.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	63.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	55.	1
Butyl benzyl phthalate	ND		ug/kg	210	41.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	52.	1
Diethyl phthalate	ND		ug/kg	210	44.	1
Dimethyl phthalate	ND		ug/kg	210	53.	1
Benzo(a)anthracene	650		ug/kg	130	41.	1
Benzo(a)pyrene	700		ug/kg	170	51.	1
Benzo(b)fluoranthene	970		ug/kg	130	42.	1
Benzo(k)fluoranthene	330		ug/kg	130	40.	1

Project Name: 15 LA RIVIERE DR AND WILKESON**Lab Number:** L1530137**Project Number:** 0136-013-007**Report Date:** 11/25/15**SAMPLE RESULTS****Lab ID:** L1530137-09**Date Collected:** 11/17/15 09:51**Client ID:** SS-3 (0-0.5)**Date Received:** 11/17/15**Sample Location:** BUFFALO, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	690		ug/kg	130	41.	1
Acenaphthylene	64	J	ug/kg	170	39.	1
Anthracene	210		ug/kg	130	35.	1
Benzo(ghi)perylene	490		ug/kg	170	44.	1
Fluorene	70	J	ug/kg	210	60.	1
Phenanthrene	780		ug/kg	130	41.	1
Dibenzo(a,h)anthracene	110	J	ug/kg	130	41.	1
Indeno(1,2,3-cd)pyrene	540		ug/kg	170	47.	1
Pyrene	1200		ug/kg	130	41.	1
Biphenyl	ND		ug/kg	480	69.	1
4-Chloroaniline	ND		ug/kg	210	55.	1
2-Nitroaniline	ND		ug/kg	210	59.	1
3-Nitroaniline	ND		ug/kg	210	58.	1
4-Nitroaniline	ND		ug/kg	210	57.	1
Dibenzofuran	ND		ug/kg	210	70.	1
2-Methylnaphthalene	ND		ug/kg	250	67.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	65.	1
Acetophenone	ND		ug/kg	210	65.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	40.	1
p-Chloro-m-cresol	ND		ug/kg	210	61.	1
2-Chlorophenol	ND		ug/kg	210	63.	1
2,4-Dichlorophenol	ND		ug/kg	190	68.	1
2,4-Dimethylphenol	ND		ug/kg	210	63.	1
2-Nitrophenol	ND		ug/kg	450	66.	1
4-Nitrophenol	ND		ug/kg	290	68.	1
2,4-Dinitrophenol	ND		ug/kg	1000	290	1
4,6-Dinitro-o-cresol	ND		ug/kg	550	77.	1
Pentachlorophenol	ND		ug/kg	170	45.	1
Phenol	ND		ug/kg	210	62.	1
2-Methylphenol	ND		ug/kg	210	68.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	69.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	68.	1
Carbazole	120	J	ug/kg	210	45.	1
Benzaldehyde	ND		ug/kg	280	85.	1
Caprolactam	ND		ug/kg	210	58.	1
Atrazine	ND		ug/kg	170	48.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	210	36.	1

Project Name: 15 LA RIVIERE DR AND WILKESON**Lab Number:** L1530137**Project Number:** 0136-013-007**Report Date:** 11/25/15**SAMPLE RESULTS**

Lab ID: L1530137-09

Date Collected: 11/17/15 09:51

Client ID: SS-3 (0-0.5)

Date Received: 11/17/15

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	44		25-120
Phenol-d6	56		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	94		10-136
4-Terphenyl-d14	79		18-120

Project Name: 15 LA RIVIERE DR AND WILKESON**Lab Number:** L1530137**Project Number:** 0136-013-007**Report Date:** 11/25/15**SAMPLE RESULTS**

Lab ID: L1530137-10
Client ID: SS-2 (0-0.5)
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/25/15 15:24
Analyst: AL
Percent Solids: 68%

Date Collected: 11/17/15 09:58
Date Received: 11/17/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/24/15 01:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	190	50.	1
Hexachlorobenzene	ND		ug/kg	140	45.	1
Bis(2-chloroethyl)ether	ND		ug/kg	220	68.	1
2-Chloronaphthalene	ND		ug/kg	240	79.	1
3,3'-Dichlorobenzidine	ND		ug/kg	240	64.	1
2,4-Dinitrotoluene	ND		ug/kg	240	52.	1
2,6-Dinitrotoluene	ND		ug/kg	240	62.	1
Fluoranthene	920		ug/kg	140	44.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	240	74.	1
4-Bromophenyl phenyl ether	ND		ug/kg	240	56.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	290	85.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	260	73.	1
Hexachlorobutadiene	ND		ug/kg	240	68.	1
Hexachlorocyclopentadiene	ND		ug/kg	690	160	1
Hexachloroethane	ND		ug/kg	190	44.	1
Isophorone	ND		ug/kg	220	64.	1
Naphthalene	ND		ug/kg	240	80.	1
Nitrobenzene	ND		ug/kg	220	58.	1
NDPA/DPA	ND		ug/kg	190	51.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	240	72.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	240	63.	1
Butyl benzyl phthalate	ND		ug/kg	240	47.	1
Di-n-butylphthalate	ND		ug/kg	240	47.	1
Di-n-octylphthalate	ND		ug/kg	240	60.	1
Diethyl phthalate	ND		ug/kg	240	51.	1
Dimethyl phthalate	ND		ug/kg	240	61.	1
Benzo(a)anthracene	420		ug/kg	140	47.	1
Benzo(a)pyrene	500		ug/kg	190	59.	1
Benzo(b)fluoranthene	680		ug/kg	140	49.	1
Benzo(k)fluoranthene	290		ug/kg	140	46.	1

Project Name: 15 LA RIVIERE DR AND WILKESON

Lab Number: L1530137

Project Number: 0136-013-007

Report Date: 11/25/15

SAMPLE RESULTS

Lab ID: L1530137-10

Date Collected: 11/17/15 09:58

Client ID: SS-2 (0-0.5)

Date Received: 11/17/15

Sample Location: BUFFALO, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	490		ug/kg	140	48.	1
Acenaphthylene	ND		ug/kg	190	45.	1
Anthracene	100	J	ug/kg	140	40.	1
Benzo(ghi)perylene	380		ug/kg	190	50.	1
Fluorene	ND		ug/kg	240	69.	1
Phenanthrene	450		ug/kg	140	47.	1
Dibenzo(a,h)anthracene	86	J	ug/kg	140	47.	1
Indeno(1,2,3-cd)pyrene	420		ug/kg	190	54.	1
Pyrene	750		ug/kg	140	47.	1
Biphenyl	ND		ug/kg	550	80.	1
4-Chloroaniline	ND		ug/kg	240	64.	1
2-Nitroaniline	ND		ug/kg	240	68.	1
3-Nitroaniline	ND		ug/kg	240	67.	1
4-Nitroaniline	ND		ug/kg	240	65.	1
Dibenzofuran	ND		ug/kg	240	81.	1
2-Methylnaphthalene	ND		ug/kg	290	77.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	240	75.	1
Acetophenone	ND		ug/kg	240	75.	1
2,4,6-Trichlorophenol	ND		ug/kg	140	46.	1
p-Chloro-m-cresol	ND		ug/kg	240	70.	1
2-Chlorophenol	ND		ug/kg	240	73.	1
2,4-Dichlorophenol	ND		ug/kg	220	78.	1
2,4-Dimethylphenol	ND		ug/kg	240	72.	1
2-Nitrophenol	ND		ug/kg	520	76.	1
4-Nitrophenol	ND		ug/kg	340	78.	1
2,4-Dinitrophenol	ND		ug/kg	1200	330	1
4,6-Dinitro-o-cresol	ND		ug/kg	630	88.	1
Pentachlorophenol	ND		ug/kg	190	52.	1
Phenol	ND		ug/kg	240	72.	1
2-Methylphenol	ND		ug/kg	240	78.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	350	79.	1
2,4,5-Trichlorophenol	ND		ug/kg	240	78.	1
Carbazole	99	J	ug/kg	240	52.	1
Benzaldehyde	ND		ug/kg	320	98.	1
Caprolactam	ND		ug/kg	240	67.	1
Atrazine	ND		ug/kg	190	55.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	240	41.	1

Project Name: 15 LA RIVIERE DR AND WILKESON**Lab Number:** L1530137**Project Number:** 0136-013-007**Report Date:** 11/25/15**SAMPLE RESULTS**

Lab ID: L1530137-10

Date Collected: 11/17/15 09:58

Client ID: SS-2 (0-0.5)

Date Received: 11/17/15

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	67		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	106		10-136
4-Terphenyl-d14	72		18-120

Project Name: 15 LA RIVIERE DR AND WILKESON

Lab Number: L1530137

Project Number: 0136-013-007

Report Date: 11/25/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 11/24/15 19:09
 Analyst: AL

Extraction Method: EPA 3546
 Extraction Date: 11/24/15 01:02

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-10 Batch: WG843730-1					
Acenaphthene	ND		ug/kg	130	34.
Hexachlorobenzene	ND		ug/kg	99	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	54.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	36.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	99	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	47.
Hexachlorocyclopentadiene	ND		ug/kg	470	110
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	55.
Nitrobenzene	ND		ug/kg	150	39.
NDPA/DPA	ND		ug/kg	130	35.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	41.
Diethyl phthalate	ND		ug/kg	160	35.
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	99	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	33.

Project Name: 15 LA RIVIERE DR AND WILKESON

Lab Number: L1530137

Project Number: 0136-013-007

Report Date: 11/25/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 11/24/15 19:09
 Analyst: AL

Extraction Method: EPA 3546
 Extraction Date: 11/24/15 01:02

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-10 Batch: WG843730-1					
Benzo(k)fluoranthene	ND		ug/kg	99	32.
Chrysene	ND		ug/kg	99	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	99	28.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	48.
Phenanthrene	ND		ug/kg	99	32.
Dibenzo(a,h)anthracene	ND		ug/kg	99	32.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	99	32.
Biphenyl	ND		ug/kg	380	55.
4-Chloroaniline	ND		ug/kg	160	44.
2-Nitroaniline	ND		ug/kg	160	47.
3-Nitroaniline	ND		ug/kg	160	46.
4-Nitroaniline	ND		ug/kg	160	45.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	48.
2-Chlorophenol	ND		ug/kg	160	50.
2,4-Dichlorophenol	ND		ug/kg	150	54.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	360	52.
4-Nitrophenol	ND		ug/kg	230	54.
2,4-Dinitrophenol	ND		ug/kg	800	230
4,6-Dinitro-o-cresol	ND		ug/kg	430	61.
Pentachlorophenol	ND		ug/kg	130	35.

Project Name: 15 LA RIVIERE DR AND WILKESON

Lab Number: L1530137

Project Number: 0136-013-007

Report Date: 11/25/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 11/24/15 19:09
 Analyst: AL

Extraction Method: EPA 3546
 Extraction Date: 11/24/15 01:02

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-10 Batch: WG843730-1					
Phenol	ND		ug/kg	160	49.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	54.
Carbazole	ND		ug/kg	160	36.
Benzaldehyde	ND		ug/kg	220	67.
Caprolactam	ND		ug/kg	160	46.
Atrazine	ND		ug/kg	130	38.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	89		30-120
2,4,6-Tribromophenol	83		10-136
4-Terphenyl-d14	102		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 15 LA RIVIERE DR AND WILKESON
Project Number: 0136-013-007

Lab Number: L1530137
Report Date: 11/25/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG843730-2 WG843730-3								
Acenaphthene	76		80		31-137	5		50
Benzidine	54		52		10-66	4		50
n-Nitrosodimethylamine	65		70		22-100	7		50
1,2,4-Trichlorobenzene	75		79		38-107	5		50
Hexachlorobenzene	82		91		40-140	10		50
Bis(2-chloroethyl)ether	66		68		40-140	3		50
2-Chloronaphthalene	77		82		40-140	6		50
1,2-Dichlorobenzene	68		71		40-140	4		50
1,3-Dichlorobenzene	66		69		40-140	4		50
1,4-Dichlorobenzene	66		70		28-104	6		50
3,3'-Dichlorobenzidine	65		70		40-140	7		50
2,4-Dinitrotoluene	98	Q	104	Q	28-89	6		50
2,6-Dinitrotoluene	85		89		40-140	5		50
Fluoranthene	94		103		40-140	9		50
4-Chlorophenyl phenyl ether	81		86		40-140	6		50
4-Bromophenyl phenyl ether	91		100		40-140	9		50
Azobenzene	79		84		40-140	6		50
Bis(2-chloroisopropyl)ether	63		65		40-140	3		50
Bis(2-chloroethoxy)methane	74		79		40-117	7		50
Hexachlorobutadiene	80		82		40-140	2		50
Hexachlorocyclopentadiene	84		89		40-140	6		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 15 LA RIVIERE DR AND WILKESON
Project Number: 0136-013-007

Lab Number: L1530137
Report Date: 11/25/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG843730-2 WG843730-3								
Hexachloroethane	71		76		40-140	7		50
Isophorone	71		75		40-140	5		50
Naphthalene	69		72		40-140	4		50
Nitrobenzene	76		78		40-140	3		50
NitrosoDiPhenylAmine(NDPA)/DPA	87		94		36-157	8		50
n-Nitrosodi-n-propylamine	69		70		32-121	1		50
Bis(2-Ethylhexyl)phthalate	88		92		40-140	4		50
Butyl benzyl phthalate	99		106		40-140	7		50
Di-n-butylphthalate	95		103		40-140	8		50
Di-n-octylphthalate	91		94		40-140	3		50
Diethyl phthalate	89		96		40-140	8		50
Dimethyl phthalate	83		89		40-140	7		50
Benzo(a)anthracene	93		101		40-140	8		50
Benzo(a)pyrene	84		90		40-140	7		50
Benzo(b)fluoranthene	78		85		40-140	9		50
Benzo(k)fluoranthene	84		94		40-140	11		50
Chrysene	79		86		40-140	8		50
Acenaphthylene	90		94		40-140	4		50
Anthracene	87		94		40-140	8		50
Benzo(ghi)perylene	90		96		40-140	6		50
Fluorene	83		88		40-140	6		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 15 LA RIVIERE DR AND WILKESON

Project Number: 0136-013-007

Lab Number: L1530137

Report Date: 11/25/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG843730-2 WG843730-3								
Phenanthrene	77		82		40-140	6		50
Dibenzo(a,h)anthracene	81		89		40-140	9		50
Indeno(1,2,3-cd)Pyrene	79		90		40-140	13		50
Pyrene	89		94		35-142	5		50
Biphenyl	75		81		54-104	8		50
4-Chloroaniline	80		83		40-140	4		50
2-Nitroaniline	90		95		47-134	5		50
3-Nitroaniline	65		69		26-129	6		50
4-Nitroaniline	81		88		41-125	8		50
Dibenzofuran	74		77		40-140	4		50
2-Methylnaphthalene	78		81		40-140	4		50
1,2,4,5-Tetrachlorobenzene	75		82		40-117	9		50
Acetophenone	80		82		14-144	2		50
2,4,6-Trichlorophenol	96		103		30-130	7		50
P-Chloro-M-Cresol	86		88		26-103	2		50
2-Chlorophenol	76		80		25-102	5		50
2,4-Dichlorophenol	89		92		30-130	3		50
2,4-Dimethylphenol	84		89		30-130	6		50
2-Nitrophenol	79		84		30-130	6		50
4-Nitrophenol	90		96		11-114	6		50
2,4-Dinitrophenol	27		42		4-130	43		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 15 LA RIVIERE DR AND WILKESON

Project Number: 0136-013-007

Lab Number: L1530137

Report Date: 11/25/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG843730-2 WG843730-3								
4,6-Dinitro-o-cresol	57		78		10-130	31		50
Pentachlorophenol	71		83		17-109	16		50
Phenol	73		76		26-90	4		50
2-Methylphenol	79		81		30-130	3		50
3-Methylphenol/4-Methylphenol	83		88		30-130	6		50
2,4,5-Trichlorophenol	89		96		30-130	8		50
Benzoic Acid	25		30		10-66	18		50
Benzyl Alcohol	82		84		40-140	2		50
Carbazole	89		95		54-128	7		50
Benzaldehyde	74		74		40-140	0		50
Caprolactam	75		79		15-130	5		50
Atrazine	109		116		40-140	6		50
2,3,4,6-Tetrachlorophenol	83		92		40-140	10		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	73		77		25-120
Phenol-d6	75		78		10-120
Nitrobenzene-d5	80		83		23-120
2-Fluorobiphenyl	82		86		30-120
2,4,6-Tribromophenol	86		94		10-136
4-Terphenyl-d14	93		99		18-120

PCBS

Project Name: 15 LA RIVIERE DR AND WILKESON
Project Number: 0136-013-007

Lab Number: L1530137
Report Date: 11/25/15

SAMPLE RESULTS

Lab ID: L1530137-01
Client ID: BCP-MW-1 (4-6)
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/24/15 06:53
Analyst: JT
Percent Solids: 92%

Date Collected: 11/16/15 11:56
Date Received: 11/17/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/23/15 17:14
Cleanup Method: EPA 3665A
Cleanup Date: 11/24/15
Cleanup Method: EPA 3660B
Cleanup Date: 11/24/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.3	2.79	1	A
Aroclor 1221	ND		ug/kg	35.3	3.26	1	A
Aroclor 1232	ND		ug/kg	35.3	4.14	1	A
Aroclor 1242	ND		ug/kg	35.3	4.32	1	A
Aroclor 1248	ND		ug/kg	35.3	2.98	1	A
Aroclor 1254	ND		ug/kg	35.3	2.90	1	A
Aroclor 1260	ND		ug/kg	35.3	2.69	1	A
Aroclor 1262	ND		ug/kg	35.3	1.75	1	A
Aroclor 1268	ND		ug/kg	35.3	5.12	1	A
PCBs, Total	ND		ug/kg	35.3	1.75	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	41		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	43		30-150	B
Decachlorobiphenyl	57		30-150	B

Project Name: 15 LA RIVIERE DR AND WILKESON
Project Number: 0136-013-007

Lab Number: L1530137
Report Date: 11/25/15

SAMPLE RESULTS

Lab ID: L1530137-02
Client ID: BCP-MW-2 (5.5-7.5)
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/24/15 07:07
Analyst: JT
Percent Solids: 81%

Date Collected: 11/16/15 10:37
Date Received: 11/17/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/23/15 17:14
Cleanup Method: EPA 3665A
Cleanup Date: 11/24/15
Cleanup Method: EPA 3660B
Cleanup Date: 11/24/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.4	3.04	1	A
Aroclor 1221	ND		ug/kg	38.4	3.54	1	A
Aroclor 1232	ND		ug/kg	38.4	4.50	1	A
Aroclor 1242	ND		ug/kg	38.4	4.70	1	A
Aroclor 1248	ND		ug/kg	38.4	3.24	1	A
Aroclor 1254	ND		ug/kg	38.4	3.16	1	A
Aroclor 1260	ND		ug/kg	38.4	2.93	1	A
Aroclor 1262	ND		ug/kg	38.4	1.91	1	A
Aroclor 1268	ND		ug/kg	38.4	5.57	1	A
PCBs, Total	ND		ug/kg	38.4	1.91	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	43		30-150	A
Decachlorobiphenyl	46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	44		30-150	B
Decachlorobiphenyl	52		30-150	B

Project Name: 15 LA RIVIERE DR AND WILKESON
Project Number: 0136-013-007

Lab Number: L1530137
Report Date: 11/25/15

SAMPLE RESULTS

Lab ID: L1530137-03
Client ID: BCP-MW-3 (2-6)
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/24/15 07:21
Analyst: JT
Percent Solids: 85%

Date Collected: 11/16/15 09:34
Date Received: 11/17/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/23/15 17:14
Cleanup Method: EPA 3665A
Cleanup Date: 11/24/15
Cleanup Method: EPA 3660B
Cleanup Date: 11/24/15

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	3.52	1	A
Aroclor 1232	ND		ug/kg	38.1	4.47	1	A
Aroclor 1242	ND		ug/kg	38.1	4.67	1	A
Aroclor 1248	ND		ug/kg	38.1	3.22	1	A
Aroclor 1254	ND		ug/kg	38.1	3.13	1	A
Aroclor 1260	214		ug/kg	38.1	2.91	1	B
Aroclor 1262	ND		ug/kg	38.1	1.89	1	A
Aroclor 1268	ND		ug/kg	38.1	5.53	1	A
PCBs, Total	214		ug/kg	38.1	1.89	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	39		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	42		30-150	B
Decachlorobiphenyl	61		30-150	B

Project Name: 15 LA RIVIERE DR AND WILKESON
Project Number: 0136-013-007

Lab Number: L1530137
Report Date: 11/25/15

SAMPLE RESULTS

Lab ID: L1530137-04
Client ID: BCP-MW-4 (12-16)
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/24/15 07:34
Analyst: JT
Percent Solids: 83%

Date Collected: 11/16/15 15:39
Date Received: 11/17/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/23/15 17:14
Cleanup Method: EPA 3665A
Cleanup Date: 11/24/15
Cleanup Method: EPA 3660B
Cleanup Date: 11/24/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.2	3.10	1	A
Aroclor 1221	ND		ug/kg	39.2	3.62	1	A
Aroclor 1232	ND		ug/kg	39.2	4.60	1	A
Aroclor 1242	ND		ug/kg	39.2	4.80	1	A
Aroclor 1248	ND		ug/kg	39.2	3.31	1	A
Aroclor 1254	ND		ug/kg	39.2	3.23	1	A
Aroclor 1260	ND		ug/kg	39.2	2.99	1	A
Aroclor 1262	ND		ug/kg	39.2	1.95	1	A
Aroclor 1268	ND		ug/kg	39.2	5.69	1	A
PCBs, Total	ND		ug/kg	39.2	1.95	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	30		30-150	A
Decachlorobiphenyl	30		30-150	A
2,4,5,6-Tetrachloro-m-xylene	31		30-150	B
Decachlorobiphenyl	35		30-150	B

Project Name: 15 LA RIVIERE DR AND WILKESON
Project Number: 0136-013-007

Lab Number: L1530137
Report Date: 11/25/15

SAMPLE RESULTS

Lab ID: L1530137-05
Client ID: BLIND DUP #1
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/24/15 07:48
Analyst: JT
Percent Solids: 82%

Date Collected: 11/16/15 12:00
Date Received: 11/17/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/23/15 17:14
Cleanup Method: EPA 3665A
Cleanup Date: 11/24/15
Cleanup Method: EPA 3660B
Cleanup Date: 11/24/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.7	3.14	1	A
Aroclor 1221	ND		ug/kg	39.7	3.66	1	A
Aroclor 1232	ND		ug/kg	39.7	4.66	1	A
Aroclor 1242	ND		ug/kg	39.7	4.86	1	A
Aroclor 1248	ND		ug/kg	39.7	3.35	1	A
Aroclor 1254	ND		ug/kg	39.7	3.27	1	A
Aroclor 1260	ND		ug/kg	39.7	3.03	1	A
Aroclor 1262	ND		ug/kg	39.7	1.97	1	A
Aroclor 1268	ND		ug/kg	39.7	5.76	1	A
PCBs, Total	ND		ug/kg	39.7	1.97	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	34		30-150	A
Decachlorobiphenyl	36		30-150	A
2,4,5,6-Tetrachloro-m-xylene	36		30-150	B
Decachlorobiphenyl	41		30-150	B

Project Name: 15 LA RIVIERE DR AND WILKESON
Project Number: 0136-013-007

Lab Number: L1530137
Report Date: 11/25/15

SAMPLE RESULTS

Lab ID: L1530137-06
Client ID: BCP-MW-6 (2-4)
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/24/15 08:02
Analyst: JT
Percent Solids: 87%

Date Collected: 11/16/15 13:13
Date Received: 11/17/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/23/15 17:14
Cleanup Method: EPA 3665A
Cleanup Date: 11/24/15
Cleanup Method: EPA 3660B
Cleanup Date: 11/24/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.8	2.98	1	A
Aroclor 1221	ND		ug/kg	37.8	3.48	1	A
Aroclor 1232	ND		ug/kg	37.8	4.43	1	A
Aroclor 1242	ND		ug/kg	37.8	4.62	1	A
Aroclor 1248	ND		ug/kg	37.8	3.19	1	A
Aroclor 1254	29.9	J	ug/kg	37.8	3.10	1	B
Aroclor 1260	11.2	J	ug/kg	37.8	2.88	1	A
Aroclor 1262	ND		ug/kg	37.8	1.87	1	A
Aroclor 1268	ND		ug/kg	37.8	5.48	1	A
PCBs, Total	41.1	J	ug/kg	37.8	1.87	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	31		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	33		30-150	B
Decachlorobiphenyl	48		30-150	B

Project Name: 15 LA RIVIERE DR AND WILKESON
Project Number: 0136-013-007

Lab Number: L1530137
Report Date: 11/25/15

SAMPLE RESULTS

Lab ID: L1530137-07
Client ID: BCP-MW-7 (4-6)
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/24/15 08:15
Analyst: JT
Percent Solids: 80%

Date Collected: 11/16/15 14:09
Date Received: 11/17/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/23/15 17:14
Cleanup Method: EPA 3665A
Cleanup Date: 11/24/15
Cleanup Method: EPA 3660B
Cleanup Date: 11/24/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.6	3.12	1	A
Aroclor 1221	ND		ug/kg	39.6	3.65	1	A
Aroclor 1232	ND		ug/kg	39.6	4.64	1	A
Aroclor 1242	ND		ug/kg	39.6	4.84	1	A
Aroclor 1248	ND		ug/kg	39.6	3.34	1	A
Aroclor 1254	ND		ug/kg	39.6	3.25	1	A
Aroclor 1260	ND		ug/kg	39.6	3.01	1	A
Aroclor 1262	ND		ug/kg	39.6	1.96	1	A
Aroclor 1268	ND		ug/kg	39.6	5.74	1	A
PCBs, Total	ND		ug/kg	39.6	1.96	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	36		30-150	A
Decachlorobiphenyl	46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	36		30-150	B
Decachlorobiphenyl	48		30-150	B

Project Name: 15 LA RIVIERE DR AND WILKESON
Project Number: 0136-013-007

Lab Number: L1530137
Report Date: 11/25/15

SAMPLE RESULTS

Lab ID: L1530137-09
Client ID: SS-3 (0-0.5)
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/24/15 08:29
Analyst: JT
Percent Solids: 79%

Date Collected: 11/17/15 09:51
Date Received: 11/17/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/23/15 17:14
Cleanup Method: EPA 3665A
Cleanup Date: 11/24/15
Cleanup Method: EPA 3660B
Cleanup Date: 11/24/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.8	3.30	1	A
Aroclor 1221	ND		ug/kg	41.8	3.86	1	A
Aroclor 1232	ND		ug/kg	41.8	4.90	1	A
Aroclor 1242	ND		ug/kg	41.8	5.12	1	A
Aroclor 1248	ND		ug/kg	41.8	3.53	1	A
Aroclor 1254	8.76	J	ug/kg	41.8	3.44	1	A
Aroclor 1260	14.2	J	ug/kg	41.8	3.19	1	B
Aroclor 1262	ND		ug/kg	41.8	2.07	1	A
Aroclor 1268	ND		ug/kg	41.8	6.06	1	A
PCBs, Total	23.0	J	ug/kg	41.8	2.07	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	34		30-150	A
Decachlorobiphenyl	40		30-150	A
2,4,5,6-Tetrachloro-m-xylene	33		30-150	B
Decachlorobiphenyl	43		30-150	B

Project Name: 15 LA RIVIERE DR AND WILKESON
Project Number: 0136-013-007

Lab Number: L1530137
Report Date: 11/25/15

SAMPLE RESULTS

Lab ID: L1530137-10
Client ID: SS-2 (0-0.5)
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/24/15 19:08
Analyst: JT
Percent Solids: 68%

Date Collected: 11/17/15 09:58
Date Received: 11/17/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/24/15 13:35
Cleanup Method: EPA 3665A
Cleanup Date: 11/24/15
Cleanup Method: EPA 3660B
Cleanup Date: 11/24/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	46.2	3.65	1	A
Aroclor 1221	ND		ug/kg	46.2	4.26	1	A
Aroclor 1232	ND		ug/kg	46.2	5.41	1	A
Aroclor 1242	ND		ug/kg	46.2	5.65	1	A
Aroclor 1248	ND		ug/kg	46.2	3.90	1	A
Aroclor 1254	ND		ug/kg	46.2	3.80	1	A
Aroclor 1260	ND		ug/kg	46.2	3.52	1	A
Aroclor 1262	ND		ug/kg	46.2	2.29	1	A
Aroclor 1268	ND		ug/kg	46.2	6.70	1	A
PCBs, Total	ND		ug/kg	46.2	2.29	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	48		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		30-150	B
Decachlorobiphenyl	44		30-150	B

Project Name: 15 LA RIVIERE DR AND WILKESON**Lab Number:** L1530137**Project Number:** 0136-013-007**Report Date:** 11/25/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 11/24/15 05:44
 Analyst: JT

Extraction Method: EPA 3546
 Extraction Date: 11/23/15 17:14
 Cleanup Method: EPA 3665A
 Cleanup Date: 11/24/15
 Cleanup Method: EPA 3660B
 Cleanup Date: 11/24/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-07,09 Batch: WG843651-1						
Aroclor 1016	ND		ug/kg	32.4	2.56	A
Aroclor 1221	ND		ug/kg	32.4	2.98	A
Aroclor 1232	ND		ug/kg	32.4	3.79	A
Aroclor 1242	ND		ug/kg	32.4	3.96	A
Aroclor 1248	ND		ug/kg	32.4	2.73	A
Aroclor 1254	ND		ug/kg	32.4	2.66	A
Aroclor 1260	ND		ug/kg	32.4	2.47	A
Aroclor 1262	ND		ug/kg	32.4	1.60	A
Aroclor 1268	ND		ug/kg	32.4	4.69	A
PCBs, Total	ND		ug/kg	32.4	1.60	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	30		30-150	A
Decachlorobiphenyl	37		30-150	A
2,4,5,6-Tetrachloro-m-xylene	32		30-150	B
Decachlorobiphenyl	38		30-150	B

Project Name: 15 LA RIVIERE DR AND WILKESON**Lab Number:** L1530137**Project Number:** 0136-013-007**Report Date:** 11/25/15**Method Blank Analysis**
Batch Quality ControlAnalytical Method: 1,8082A
Analytical Date: 11/24/15 18:03
Analyst: JTExtraction Method: EPA 3546
Extraction Date: 11/24/15 09:54
Cleanup Method: EPA 3665A
Cleanup Date: 11/24/15
Cleanup Method: EPA 3660B
Cleanup Date: 11/24/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 10 Batch: WG843953-1						
Aroclor 1016	ND		ug/kg	32.6	2.57	A
Aroclor 1221	ND		ug/kg	32.6	3.00	A
Aroclor 1232	ND		ug/kg	32.6	3.82	A
Aroclor 1242	ND		ug/kg	32.6	3.98	A
Aroclor 1248	ND		ug/kg	32.6	2.75	A
Aroclor 1254	ND		ug/kg	32.6	2.68	A
Aroclor 1260	ND		ug/kg	32.6	2.48	A
Aroclor 1262	ND		ug/kg	32.6	1.61	A
Aroclor 1268	ND		ug/kg	32.6	4.72	A
PCBs, Total	ND		ug/kg	32.6	1.61	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	95		30-150	B
Decachlorobiphenyl	84		30-150	B

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 15 LA RIVIERE DR AND WILKESON**Lab Number:** L1530137**Project Number:** 0136-013-007**Report Date:** 11/25/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-07,09 Batch: WG843651-2 WG843651-3									
Aroclor 1016	58		56		40-140	4		50	A
Aroclor 1260	55		51		40-140	8		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		58		30-150	A
Decachlorobiphenyl	74		68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		61		30-150	B
Decachlorobiphenyl	77		71		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 15 LA RIVIERE DR AND WILKESON

Lab Number: L1530137

Project Number: 0136-013-007

Report Date: 11/25/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 10 Batch: WG843953-2 WG843953-3									
Aroclor 1016	85		86		40-140	1		50	A
Aroclor 1260	83		82		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		96		30-150	A
Decachlorobiphenyl	83		82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	99		103		30-150	B
Decachlorobiphenyl	89		93		30-150	B

PESTICIDES

Project Name: 15 LA RIVIERE DR AND WILKESON**Lab Number:** L1530137**Project Number:** 0136-013-007**Report Date:** 11/25/15**SAMPLE RESULTS**

Lab ID: L1530137-01
Client ID: BCP-MW-1 (4-6)
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/24/15 14:31
Analyst: KE
Percent Solids: 92%

Date Collected: 11/16/15 11:56
Date Received: 11/17/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/23/15 19:16
Cleanup Method: EPA 3620B
Cleanup Date: 11/24/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.72	0.337	1	A
Lindane	ND		ug/kg	0.717	0.320	1	A
Alpha-BHC	ND		ug/kg	0.717	0.204	1	A
Beta-BHC	ND		ug/kg	1.72	0.652	1	A
Heptachlor	ND		ug/kg	0.860	0.386	1	A
Aldrin	ND		ug/kg	1.72	0.606	1	A
Heptachlor epoxide	ND		ug/kg	3.22	0.968	1	A
Endrin	ND		ug/kg	0.717	0.294	1	A
Endrin aldehyde	ND		ug/kg	2.15	0.752	1	A
Endrin ketone	ND		ug/kg	1.72	0.443	1	A
Dieldrin	ND		ug/kg	1.08	0.538	1	A
4,4'-DDE	ND		ug/kg	1.72	0.398	1	A
4,4'-DDD	ND		ug/kg	1.72	0.613	1	A
4,4'-DDT	ND		ug/kg	3.22	1.38	1	A
Endosulfan I	ND		ug/kg	1.72	0.406	1	A
Endosulfan II	ND		ug/kg	1.72	0.575	1	A
Endosulfan sulfate	ND		ug/kg	0.717	0.341	1	A
Methoxychlor	ND		ug/kg	3.22	1.00	1	A
Toxaphene	ND		ug/kg	32.2	9.03	1	A
cis-Chlordane	ND		ug/kg	2.15	0.599	1	A
trans-Chlordane	ND		ug/kg	2.15	0.568	1	A
Chlordane	ND		ug/kg	14.0	5.70	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	101		30-150	B
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	139		30-150	A

Project Name: 15 LA RIVIERE DR AND WILKESON
Project Number: 0136-013-007

Lab Number: L1530137
Report Date: 11/25/15

SAMPLE RESULTS

Lab ID: L1530137-01
Client ID: BCP-MW-1 (4-6)
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 11/24/15 19:54
Analyst: SS
Percent Solids: 92%
Methylation Date: 11/24/15 02:48

Date Collected: 11/16/15 11:56
Date Received: 11/17/15
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 11/21/15 11:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	180	11.3	1	A
2,4,5-T	ND		ug/kg	180	5.57	1	A
2,4,5-TP (Silvex)	ND		ug/kg	180	4.78	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	104		30-150	A
DCAA	92		30-150	B

Project Name: 15 LA RIVIERE DR AND WILKESON**Lab Number:** L1530137**Project Number:** 0136-013-007**Report Date:** 11/25/15**SAMPLE RESULTS**

Lab ID: L1530137-02
Client ID: BCP-MW-2 (5.5-7.5)
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/24/15 14:44
Analyst: KE
Percent Solids: 81%

Date Collected: 11/16/15 10:37
Date Received: 11/17/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/23/15 19:16
Cleanup Method: EPA 3620B
Cleanup Date: 11/24/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.88	0.368	1	A
Lindane	ND		ug/kg	0.783	0.350	1	A
Alpha-BHC	ND		ug/kg	0.783	0.222	1	A
Beta-BHC	ND		ug/kg	1.88	0.713	1	A
Heptachlor	ND		ug/kg	0.940	0.422	1	A
Aldrin	ND		ug/kg	1.88	0.662	1	A
Heptachlor epoxide	ND		ug/kg	3.52	1.06	1	A
Endrin	ND		ug/kg	0.783	0.321	1	A
Endrin aldehyde	ND		ug/kg	2.35	0.823	1	A
Endrin ketone	ND		ug/kg	1.88	0.484	1	A
Dieldrin	ND		ug/kg	1.18	0.588	1	A
4,4'-DDE	ND		ug/kg	1.88	0.435	1	A
4,4'-DDD	ND		ug/kg	1.88	0.671	1	A
4,4'-DDT	1.88	JPI	ug/kg	3.52	1.51	1	B
Endosulfan I	ND		ug/kg	1.88	0.444	1	A
Endosulfan II	ND		ug/kg	1.88	0.628	1	A
Endosulfan sulfate	ND		ug/kg	0.783	0.373	1	A
Methoxychlor	ND		ug/kg	3.52	1.10	1	A
Toxaphene	ND		ug/kg	35.2	9.87	1	A
cis-Chlordane	ND		ug/kg	2.35	0.655	1	A
trans-Chlordane	ND		ug/kg	2.35	0.620	1	A
Chlordane	ND		ug/kg	15.3	6.23	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	75		30-150	B
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	78		30-150	A

Project Name: 15 LA RIVIERE DR AND WILKESON
Project Number: 0136-013-007

Lab Number: L1530137
Report Date: 11/25/15

SAMPLE RESULTS

Lab ID: L1530137-02
Client ID: BCP-MW-2 (5.5-7.5)
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 11/24/15 20:13
Analyst: SS
Percent Solids: 81%
Methylation Date: 11/24/15 02:48

Date Collected: 11/16/15 10:37
Date Received: 11/17/15
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 11/21/15 11:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	203	12.8	1	A
2,4,5-T	ND		ug/kg	203	6.29	1	A
2,4,5-TP (Silvex)	ND		ug/kg	203	5.39	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	99		30-150	A
DCAA	87		30-150	B

Project Name: 15 LA RIVIERE DR AND WILKESON**Lab Number:** L1530137**Project Number:** 0136-013-007**Report Date:** 11/25/15**SAMPLE RESULTS**

Lab ID: L1530137-03
Client ID: BCP-MW-3 (2-6)
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/24/15 14:57
Analyst: KE
Percent Solids: 85%

Date Collected: 11/16/15 09:34
Date Received: 11/17/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/23/15 19:16
Cleanup Method: EPA 3620B
Cleanup Date: 11/24/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.80	0.353	1	A
Lindane	ND		ug/kg	0.751	0.336	1	A
Alpha-BHC	ND		ug/kg	0.751	0.213	1	A
Beta-BHC	ND		ug/kg	1.80	0.683	1	A
Heptachlor	ND		ug/kg	0.901	0.404	1	A
Aldrin	ND		ug/kg	1.80	0.634	1	A
Heptachlor epoxide	ND		ug/kg	3.38	1.01	1	A
Endrin	ND		ug/kg	0.751	0.308	1	A
Endrin aldehyde	ND		ug/kg	2.25	0.788	1	A
Endrin ketone	ND		ug/kg	1.80	0.464	1	A
Dieldrin	ND		ug/kg	1.12	0.563	1	A
4,4'-DDE	7.67		ug/kg	1.80	0.417	1	A
4,4'-DDD	ND		ug/kg	1.80	0.642	1	A
4,4'-DDT	43.2	PI	ug/kg	3.38	1.45	1	A
Endosulfan I	ND		ug/kg	1.80	0.426	1	A
Endosulfan II	ND		ug/kg	1.80	0.602	1	A
Endosulfan sulfate	ND		ug/kg	0.751	0.357	1	A
Methoxychlor	ND		ug/kg	3.38	1.05	1	A
Toxaphene	ND		ug/kg	33.8	9.46	1	A
cis-Chlordane	ND		ug/kg	2.25	0.628	1	A
trans-Chlordane	ND		ug/kg	2.25	0.594	1	A
Chlordane	ND		ug/kg	14.6	5.97	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	126		30-150	B
2,4,5,6-Tetrachloro-m-xylene	102		30-150	A
Decachlorobiphenyl	113		30-150	A

Project Name: 15 LA RIVIERE DR AND WILKESON
Project Number: 0136-013-007

Lab Number: L1530137
Report Date: 11/25/15

SAMPLE RESULTS

Lab ID: L1530137-03
Client ID: BCP-MW-3 (2-6)
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 11/24/15 20:33
Analyst: SS
Percent Solids: 85%
Methylation Date: 11/24/15 02:48

Date Collected: 11/16/15 09:34
Date Received: 11/17/15
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 11/21/15 11:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	192	12.1	1	A
2,4,5-T	ND		ug/kg	192	5.95	1	A
2,4,5-TP (Silvex)	ND		ug/kg	192	5.11	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	97		30-150	A
DCAA	84		30-150	B

Project Name: 15 LA RIVIERE DR AND WILKESON**Lab Number:** L1530137**Project Number:** 0136-013-007**Report Date:** 11/25/15**SAMPLE RESULTS**

Lab ID: L1530137-04
Client ID: BCP-MW-4 (12-16)
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/24/15 15:10
Analyst: KE
Percent Solids: 83%

Date Collected: 11/16/15 15:39
Date Received: 11/17/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/23/15 19:16
Cleanup Method: EPA 3620B
Cleanup Date: 11/24/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.88	0.369	1	A
Lindane	ND		ug/kg	0.786	0.351	1	A
Alpha-BHC	ND		ug/kg	0.786	0.223	1	A
Beta-BHC	ND		ug/kg	1.88	0.715	1	A
Heptachlor	ND		ug/kg	0.943	0.423	1	A
Aldrin	ND		ug/kg	1.88	0.664	1	A
Heptachlor epoxide	ND		ug/kg	3.54	1.06	1	A
Endrin	ND		ug/kg	0.786	0.322	1	A
Endrin aldehyde	ND		ug/kg	2.36	0.825	1	A
Endrin ketone	ND		ug/kg	1.88	0.485	1	A
Dieldrin	ND		ug/kg	1.18	0.589	1	A
4,4'-DDE	ND		ug/kg	1.88	0.436	1	A
4,4'-DDD	ND		ug/kg	1.88	0.672	1	A
4,4'-DDT	ND		ug/kg	3.54	1.52	1	B
Endosulfan I	ND		ug/kg	1.88	0.445	1	A
Endosulfan II	ND		ug/kg	1.88	0.630	1	A
Endosulfan sulfate	ND		ug/kg	0.786	0.374	1	A
Methoxychlor	ND		ug/kg	3.54	1.10	1	A
Toxaphene	ND		ug/kg	35.4	9.90	1	A
cis-Chlordane	ND		ug/kg	2.36	0.657	1	A
trans-Chlordane	ND		ug/kg	2.36	0.622	1	A
Chlordane	ND		ug/kg	15.3	6.24	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	88		30-150	B
2,4,5,6-Tetrachloro-m-xylene	97		30-150	A
Decachlorobiphenyl	86		30-150	A

Project Name: 15 LA RIVIERE DR AND WILKESON
Project Number: 0136-013-007

Lab Number: L1530137
Report Date: 11/25/15

SAMPLE RESULTS

Lab ID: L1530137-04
Client ID: BCP-MW-4 (12-16)
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 11/24/15 20:52
Analyst: SS
Percent Solids: 83%
Methylation Date: 11/24/15 02:48

Date Collected: 11/16/15 15:39
Date Received: 11/17/15
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 11/21/15 11:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	198	12.5	1	A
2,4,5-T	ND		ug/kg	198	6.15	1	A
2,4,5-TP (Silvex)	ND		ug/kg	198	5.28	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	59		30-150	A
DCAA	56		30-150	B

Project Name: 15 LA RIVIERE DR AND WILKESON**Lab Number:** L1530137**Project Number:** 0136-013-007**Report Date:** 11/25/15**SAMPLE RESULTS**

Lab ID: L1530137-05
Client ID: BLIND DUP #1
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/24/15 15:23
Analyst: KE
Percent Solids: 82%

Date Collected: 11/16/15 12:00
Date Received: 11/17/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/23/15 19:16
Cleanup Method: EPA 3620B
Cleanup Date: 11/24/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.93	0.378	1	A
Lindane	ND		ug/kg	0.805	0.360	1	A
Alpha-BHC	ND		ug/kg	0.805	0.229	1	A
Beta-BHC	ND		ug/kg	1.93	0.733	1	A
Heptachlor	ND		ug/kg	0.966	0.433	1	A
Aldrin	ND		ug/kg	1.93	0.680	1	A
Heptachlor epoxide	ND		ug/kg	3.62	1.09	1	A
Endrin	ND		ug/kg	0.805	0.330	1	A
Endrin aldehyde	ND		ug/kg	2.42	0.845	1	A
Endrin ketone	ND		ug/kg	1.93	0.498	1	A
Dieldrin	ND		ug/kg	1.21	0.604	1	A
4,4'-DDE	ND		ug/kg	1.93	0.447	1	A
4,4'-DDD	ND		ug/kg	1.93	0.689	1	A
4,4'-DDT	ND		ug/kg	3.62	1.55	1	A
Endosulfan I	ND		ug/kg	1.93	0.456	1	A
Endosulfan II	ND		ug/kg	1.93	0.646	1	A
Endosulfan sulfate	ND		ug/kg	0.805	0.383	1	A
Methoxychlor	ND		ug/kg	3.62	1.13	1	A
Toxaphene	ND		ug/kg	36.2	10.1	1	A
cis-Chlordane	ND		ug/kg	2.42	0.673	1	A
trans-Chlordane	ND		ug/kg	2.42	0.638	1	A
Chlordane	ND		ug/kg	15.7	6.40	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	109		30-150	B
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	86		30-150	A

Project Name: 15 LA RIVIERE DR AND WILKESON
Project Number: 0136-013-007

Lab Number: L1530137
Report Date: 11/25/15

SAMPLE RESULTS

Lab ID: L1530137-05
Client ID: BLIND DUP #1
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 11/24/15 21:12
Analyst: SS
Percent Solids: 82%
Methylation Date: 11/24/15 02:48

Date Collected: 11/16/15 12:00
Date Received: 11/17/15
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 11/21/15 11:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	204	12.9	1	A
2,4,5-T	ND		ug/kg	204	6.33	1	A
2,4,5-TP (Silvex)	ND		ug/kg	204	5.43	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	83		30-150	A
DCAA	81		30-150	B

Project Name: 15 LA RIVIERE DR AND WILKESON**Lab Number:** L1530137**Project Number:** 0136-013-007**Report Date:** 11/25/15**SAMPLE RESULTS**

Lab ID: L1530137-06
Client ID: BCP-MW-6 (2-4)
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/24/15 15:36
Analyst: KE
Percent Solids: 87%

Date Collected: 11/16/15 13:13
Date Received: 11/17/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/23/15 19:16
Cleanup Method: EPA 3620B
Cleanup Date: 11/24/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.78	0.348	1	A
Lindane	ND		ug/kg	0.741	0.331	1	A
Alpha-BHC	ND		ug/kg	0.741	0.210	1	A
Beta-BHC	ND		ug/kg	1.78	0.674	1	A
Heptachlor	ND		ug/kg	0.889	0.398	1	A
Aldrin	ND		ug/kg	1.78	0.626	1	A
Heptachlor epoxide	ND		ug/kg	3.33	1.00	1	A
Endrin	ND		ug/kg	0.741	0.304	1	A
Endrin aldehyde	ND		ug/kg	2.22	0.778	1	A
Endrin ketone	ND		ug/kg	1.78	0.458	1	A
Dieldrin	ND		ug/kg	1.11	0.556	1	A
4,4'-DDE	ND		ug/kg	1.78	0.411	1	A
4,4'-DDD	ND		ug/kg	1.78	0.634	1	A
4,4'-DDT	3.64	PI	ug/kg	3.33	1.43	1	B
Endosulfan I	ND		ug/kg	1.78	0.420	1	A
Endosulfan II	ND		ug/kg	1.78	0.594	1	A
Endosulfan sulfate	ND		ug/kg	0.741	0.352	1	A
Methoxychlor	ND		ug/kg	3.33	1.04	1	A
Toxaphene	ND		ug/kg	33.3	9.33	1	A
cis-Chlordane	ND		ug/kg	2.22	0.619	1	A
trans-Chlordane	ND		ug/kg	2.22	0.587	1	A
Chlordane	ND		ug/kg	14.4	5.89	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	69		30-150	B
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	88		30-150	A

Project Name: 15 LA RIVIERE DR AND WILKESON
Project Number: 0136-013-007

Lab Number: L1530137
Report Date: 11/25/15

SAMPLE RESULTS

Lab ID: L1530137-06
Client ID: BCP-MW-6 (2-4)
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 11/24/15 21:51
Analyst: SS
Percent Solids: 87%
Methylation Date: 11/24/15 02:48

Date Collected: 11/16/15 13:13
Date Received: 11/17/15
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 11/21/15 11:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	190	12.0	1	A
2,4,5-T	ND		ug/kg	190	5.89	1	A
2,4,5-TP (Silvex)	ND		ug/kg	190	5.05	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	100		30-150	A
DCAA	87		30-150	B

Project Name: 15 LA RIVIERE DR AND WILKESON**Lab Number:** L1530137**Project Number:** 0136-013-007**Report Date:** 11/25/15**SAMPLE RESULTS**

Lab ID: L1530137-07
Client ID: BCP-MW-7 (4-6)
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/24/15 16:42
Analyst: KE
Percent Solids: 80%

Date Collected: 11/16/15 14:09
Date Received: 11/17/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/23/15 19:16
Cleanup Method: EPA 3620B
Cleanup Date: 11/24/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.90	0.373	1	A
Lindane	ND		ug/kg	0.794	0.355	1	A
Alpha-BHC	ND		ug/kg	0.794	0.226	1	A
Beta-BHC	ND		ug/kg	1.90	0.723	1	A
Heptachlor	ND		ug/kg	0.953	0.427	1	A
Aldrin	ND		ug/kg	1.90	0.671	1	A
Heptachlor epoxide	ND		ug/kg	3.57	1.07	1	A
Endrin	ND		ug/kg	0.794	0.326	1	A
Endrin aldehyde	ND		ug/kg	2.38	0.834	1	A
Endrin ketone	ND		ug/kg	1.90	0.491	1	A
Dieldrin	ND		ug/kg	1.19	0.596	1	A
4,4'-DDE	ND		ug/kg	1.90	0.441	1	A
4,4'-DDD	ND		ug/kg	1.90	0.680	1	A
4,4'-DDT	ND		ug/kg	3.57	1.53	1	A
Endosulfan I	ND		ug/kg	1.90	0.450	1	A
Endosulfan II	ND		ug/kg	1.90	0.637	1	A
Endosulfan sulfate	ND		ug/kg	0.794	0.378	1	A
Methoxychlor	ND		ug/kg	3.57	1.11	1	A
Toxaphene	ND		ug/kg	35.7	10.0	1	A
cis-Chlordane	ND		ug/kg	2.38	0.664	1	A
trans-Chlordane	ND		ug/kg	2.38	0.629	1	A
Chlordane	ND		ug/kg	15.5	6.31	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	96		30-150	B
2,4,5,6-Tetrachloro-m-xylene	100		30-150	A
Decachlorobiphenyl	109		30-150	A

Project Name: 15 LA RIVIERE DR AND WILKESON
Project Number: 0136-013-007

Lab Number: L1530137
Report Date: 11/25/15

SAMPLE RESULTS

Lab ID: L1530137-07
Client ID: BCP-MW-7 (4-6)
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 11/24/15 22:11
Analyst: SS
Percent Solids: 80%
Methylation Date: 11/24/15 02:48

Date Collected: 11/16/15 14:09
Date Received: 11/17/15
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 11/21/15 11:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	206	13.0	1	A
2,4,5-T	ND		ug/kg	206	6.38	1	A
2,4,5-TP (Silvex)	ND		ug/kg	206	5.48	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	94		30-150	A
DCAA	88		30-150	B

Project Name: 15 LA RIVIERE DR AND WILKESON**Lab Number:** L1530137**Project Number:** 0136-013-007**Report Date:** 11/25/15**SAMPLE RESULTS**

Lab ID: L1530137-09
Client ID: SS-3 (0-0.5)
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/24/15 16:16
Analyst: KE
Percent Solids: 79%

Date Collected: 11/17/15 09:51
Date Received: 11/17/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/23/15 19:16
Cleanup Method: EPA 3620B
Cleanup Date: 11/24/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.98	0.388	1	A
Lindane	ND		ug/kg	0.827	0.370	1	A
Alpha-BHC	ND		ug/kg	0.827	0.235	1	A
Beta-BHC	ND		ug/kg	1.98	0.752	1	A
Heptachlor	ND		ug/kg	0.992	0.445	1	A
Aldrin	ND		ug/kg	1.98	0.699	1	A
Heptachlor epoxide	ND		ug/kg	3.72	1.12	1	A
Endrin	ND		ug/kg	0.827	0.339	1	A
Endrin aldehyde	ND		ug/kg	2.48	0.868	1	A
Endrin ketone	ND		ug/kg	1.98	0.511	1	A
Dieldrin	ND		ug/kg	1.24	0.620	1	A
4,4'-DDE	10.4		ug/kg	1.98	0.459	1	B
4,4'-DDD	ND		ug/kg	1.98	0.708	1	A
4,4'-DDT	17.0		ug/kg	3.72	1.60	1	B
Endosulfan I	ND		ug/kg	1.98	0.469	1	A
Endosulfan II	ND		ug/kg	1.98	0.663	1	A
Endosulfan sulfate	ND		ug/kg	0.827	0.394	1	A
Methoxychlor	ND		ug/kg	3.72	1.16	1	A
Toxaphene	ND		ug/kg	37.2	10.4	1	A
cis-Chlordane	ND		ug/kg	2.48	0.691	1	A
trans-Chlordane	ND		ug/kg	2.48	0.655	1	A
Chlordane	ND		ug/kg	16.1	6.57	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	90		30-150	B
2,4,5,6-Tetrachloro-m-xylene	103		30-150	A
Decachlorobiphenyl	101		30-150	A

Project Name: 15 LA RIVIERE DR AND WILKESON
Project Number: 0136-013-007

Lab Number: L1530137
Report Date: 11/25/15

SAMPLE RESULTS

Lab ID: L1530137-09
Client ID: SS-3 (0-0.5)
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 11/24/15 22:30
Analyst: SS
Percent Solids: 79%
Methylation Date: 11/24/15 02:48

Date Collected: 11/17/15 09:51
Date Received: 11/17/15
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 11/21/15 11:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	208	13.1	1	A
2,4,5-T	ND		ug/kg	208	6.46	1	A
2,4,5-TP (Silvex)	ND		ug/kg	208	5.54	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	89		30-150	A
DCAA	77		30-150	B

Project Name: 15 LA RIVIERE DR AND WILKESON**Lab Number:** L1530137**Project Number:** 0136-013-007**Report Date:** 11/25/15**SAMPLE RESULTS**

Lab ID: L1530137-10
Client ID: SS-2 (0-0.5)
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/24/15 16:29
Analyst: KE
Percent Solids: 68%

Date Collected: 11/17/15 09:58
Date Received: 11/17/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/23/15 19:16
Cleanup Method: EPA 3620B
Cleanup Date: 11/24/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.31	0.453	1	A
Lindane	ND		ug/kg	0.964	0.431	1	A
Alpha-BHC	ND		ug/kg	0.964	0.274	1	A
Beta-BHC	ND		ug/kg	2.31	0.877	1	A
Heptachlor	ND		ug/kg	1.16	0.518	1	A
Aldrin	ND		ug/kg	2.31	0.814	1	A
Heptachlor epoxide	ND		ug/kg	4.34	1.30	1	A
Endrin	ND		ug/kg	0.964	0.395	1	A
Endrin aldehyde	ND		ug/kg	2.89	1.01	1	A
Endrin ketone	ND		ug/kg	2.31	0.595	1	A
Dieldrin	ND		ug/kg	1.44	0.723	1	A
4,4'-DDE	1.90	J	ug/kg	2.31	0.535	1	B
4,4'-DDD	ND		ug/kg	2.31	0.825	1	A
4,4'-DDT	4.05	J	ug/kg	4.34	1.86	1	A
Endosulfan I	ND		ug/kg	2.31	0.546	1	A
Endosulfan II	ND		ug/kg	2.31	0.773	1	A
Endosulfan sulfate	ND		ug/kg	0.964	0.459	1	A
Methoxychlor	ND		ug/kg	4.34	1.35	1	A
Toxaphene	ND		ug/kg	43.4	12.1	1	A
cis-Chlordane	ND		ug/kg	2.89	0.806	1	A
trans-Chlordane	ND		ug/kg	2.89	0.763	1	A
Chlordane	ND		ug/kg	18.8	7.66	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	74		30-150	B
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	88		30-150	A

Project Name: 15 LA RIVIERE DR AND WILKESON
Project Number: 0136-013-007

Lab Number: L1530137
Report Date: 11/25/15

SAMPLE RESULTS

Lab ID: L1530137-10
Client ID: SS-2 (0-0.5)
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 11/24/15 22:50
Analyst: SS
Percent Solids: 68%
Methylation Date: 11/24/15 02:48

Date Collected: 11/17/15 09:58
Date Received: 11/17/15
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 11/21/15 11:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	243	15.3	1	A
2,4,5-T	ND		ug/kg	243	7.54	1	A
2,4,5-TP (Silvex)	ND		ug/kg	243	6.47	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	101		30-150	A
DCAA	87		30-150	B

Project Name: 15 LA RIVIERE DR AND WILKESON

Lab Number: L1530137

Project Number: 0136-013-007

Report Date: 11/25/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
 Analytical Date: 11/24/15 11:15
 Analyst: SS

Extraction Method: EPA 8151A
 Extraction Date: 11/21/15 11:36

Methylation Date: 11/24/15 02:48

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-07,09-10 Batch: WG843182-1						
2,4-D	ND		ug/kg	162	10.2	A
2,4,5-T	ND		ug/kg	162	5.03	A
2,4,5-TP (Silvex)	ND		ug/kg	162	4.32	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	87		30-150	A
DCAA	82		30-150	B

Project Name: 15 LA RIVIERE DR AND WILKESON

Lab Number: L1530137

Project Number: 0136-013-007

Report Date: 11/25/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 11/24/15 11:40
 Analyst: KE

Extraction Method: EPA 3546
 Extraction Date: 11/23/15 19:16
 Cleanup Method: EPA 3620B
 Cleanup Date: 11/24/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-07,09-10 Batch: WG843677-1						
Delta-BHC	ND		ug/kg	1.56	0.305	A
Lindane	ND		ug/kg	0.649	0.290	A
Alpha-BHC	ND		ug/kg	0.649	0.184	A
Beta-BHC	ND		ug/kg	1.56	0.590	A
Heptachlor	ND		ug/kg	0.779	0.349	A
Aldrin	ND		ug/kg	1.56	0.548	A
Heptachlor epoxide	ND		ug/kg	2.92	0.876	A
Endrin	ND		ug/kg	0.649	0.266	A
Endrin aldehyde	ND		ug/kg	1.95	0.681	A
Endrin ketone	ND		ug/kg	1.56	0.401	A
Dieldrin	ND		ug/kg	0.973	0.487	A
4,4'-DDE	ND		ug/kg	1.56	0.360	A
4,4'-DDD	ND		ug/kg	1.56	0.555	A
4,4'-DDT	ND		ug/kg	2.92	1.25	A
Endosulfan I	ND		ug/kg	1.56	0.368	A
Endosulfan II	ND		ug/kg	1.56	0.520	A
Endosulfan sulfate	ND		ug/kg	0.649	0.309	A
Methoxychlor	ND		ug/kg	2.92	0.908	A
Toxaphene	ND		ug/kg	29.2	8.18	A
cis-Chlordane	ND		ug/kg	1.95	0.542	A
trans-Chlordane	ND		ug/kg	1.95	0.514	A
Chlordane	ND		ug/kg	12.6	5.16	A

Project Name: 15 LA RIVIERE DR AND WILKESON**Lab Number:** L1530137**Project Number:** 0136-013-007**Report Date:** 11/25/15**Method Blank Analysis**
Batch Quality ControlAnalytical Method: 1,8081B
Analytical Date: 11/24/15 11:40
Analyst: KEExtraction Method: EPA 3546
Extraction Date: 11/23/15 19:16
Cleanup Method: EPA 3620B
Cleanup Date: 11/24/15

Parameter	Result	Qualifier	Units	RL	MDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-07,09-10 Batch: WG843677-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	101		30-150	B
2,4,5,6-Tetrachloro-m-xylene	99		30-150	A
Decachlorobiphenyl	112		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 15 LA RIVIERE DR AND WILKESON

Lab Number: L1530137

Project Number: 0136-013-007

Report Date: 11/25/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-07,09-10 Batch: WG843182-2 WG843182-3									
Dicamba	84		95		30-150	12		30	A
2,4-D	88		101		30-150	14		30	A
2,4,5-T	84		92		30-150	9		30	A
2,4,5-TP (Silvex)	86		95		30-150	10		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	81		87		30-150	A
DCAA	78		90		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 15 LA RIVIERE DR AND WILKESON

Project Number: 0136-013-007

Lab Number: L1530137

Report Date: 11/25/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-07,09-10 Batch: WG843677-2 WG843677-3									
Delta-BHC	88		90		30-150	2		30	A
Lindane	86		87		30-150	1		30	A
Alpha-BHC	90		90		30-150	0		30	A
Beta-BHC	112		103		30-150	8		30	A
Heptachlor	95		98		30-150	3		30	A
Aldrin	87		89		30-150	2		30	A
Heptachlor epoxide	93		97		30-150	4		30	A
Endrin	92		95		30-150	3		30	A
Endrin aldehyde	92		92		30-150	0		30	A
Endrin ketone	104		107		30-150	3		30	A
Dieldrin	91		92		30-150	1		30	A
4,4'-DDE	93		93		30-150	0		30	A
4,4'-DDD	97		99		30-150	2		30	A
4,4'-DDT	110		112		30-150	2		30	A
Endosulfan I	90		93		30-150	3		30	A
Endosulfan II	109		113		30-150	4		30	A
Endosulfan sulfate	95		98		30-150	3		30	A
Methoxychlor	109		113		30-150	4		30	A
Toxaphene	56		56		30-150	0		30	A
cis-Chlordane	96		99		30-150	3		30	A
trans-Chlordane	105		94		30-150	11		30	A

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 15 LA RIVIERE DR AND WILKESON**Lab Number:** L1530137**Project Number:** 0136-013-007**Report Date:** 11/25/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-07,09-10 Batch: WG843677-2 WG843677-3								
Chlordane	34		32		30-150	6		30 A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		81		30-150	B
Decachlorobiphenyl	97		99		30-150	B
2,4,5,6-Tetrachloro-m-xylene	94		93		30-150	A
Decachlorobiphenyl	112		108		30-150	A

METALS

Project Name: 15 LA RIVIERE DR AND WILKESON

Lab Number: L1530137

Project Number: 0136-013-007

Report Date: 11/25/15

SAMPLE RESULTS

Lab ID: L1530137-01

Date Collected: 11/16/15 11:56

Client ID: BCP-MW-1 (4-6)

Date Received: 11/17/15

Sample Location: BUFFALO, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3500		mg/kg	8.2	1.6	2	11/18/15 18:46	11/20/15 11:16	EPA 3050B	1,6010C	JH
Antimony, Total	2.1	J	mg/kg	4.1	0.66	2	11/18/15 18:46	11/20/15 11:16	EPA 3050B	1,6010C	JH
Arsenic, Total	5.5		mg/kg	0.82	0.16	2	11/18/15 18:46	11/20/15 11:16	EPA 3050B	1,6010C	JH
Barium, Total	51		mg/kg	0.82	0.25	2	11/18/15 18:46	11/20/15 11:16	EPA 3050B	1,6010C	JH
Beryllium, Total	0.23	J	mg/kg	0.41	0.08	2	11/18/15 18:46	11/20/15 11:16	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.82	0.06	2	11/18/15 18:46	11/20/15 11:16	EPA 3050B	1,6010C	JH
Calcium, Total	39000		mg/kg	8.2	2.5	2	11/18/15 18:46	11/20/15 11:16	EPA 3050B	1,6010C	JH
Chromium, Total	5.6		mg/kg	0.82	0.16	2	11/18/15 18:46	11/20/15 11:16	EPA 3050B	1,6010C	JH
Cobalt, Total	3.3		mg/kg	1.6	0.41	2	11/18/15 18:46	11/20/15 11:16	EPA 3050B	1,6010C	JH
Copper, Total	39		mg/kg	0.82	0.16	2	11/18/15 18:46	11/20/15 11:16	EPA 3050B	1,6010C	JH
Iron, Total	16000		mg/kg	4.1	1.6	2	11/18/15 18:46	11/20/15 11:16	EPA 3050B	1,6010C	JH
Lead, Total	70		mg/kg	4.1	0.16	2	11/18/15 18:46	11/20/15 11:16	EPA 3050B	1,6010C	JH
Magnesium, Total	12000		mg/kg	8.2	0.82	2	11/18/15 18:46	11/20/15 11:16	EPA 3050B	1,6010C	JH
Manganese, Total	310		mg/kg	0.82	0.16	2	11/18/15 18:46	11/20/15 11:16	EPA 3050B	1,6010C	JH
Mercury, Total	0.37		mg/kg	0.07	0.02	1	11/19/15 07:50	11/21/15 11:30	EPA 7471B	1,7471B	KL
Nickel, Total	7.0		mg/kg	2.0	0.33	2	11/18/15 18:46	11/20/15 11:16	EPA 3050B	1,6010C	JH
Potassium, Total	500		mg/kg	200	33.	2	11/18/15 18:46	11/20/15 11:16	EPA 3050B	1,6010C	JH
Selenium, Total	0.82	J	mg/kg	1.6	0.25	2	11/18/15 18:46	11/20/15 11:16	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.82	0.16	2	11/18/15 18:46	11/20/15 11:16	EPA 3050B	1,6010C	JH
Sodium, Total	100	J	mg/kg	160	25.	2	11/18/15 18:46	11/20/15 11:16	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.6	0.33	2	11/18/15 18:46	11/20/15 11:16	EPA 3050B	1,6010C	JH
Vanadium, Total	9.8		mg/kg	0.82	0.08	2	11/18/15 18:46	11/20/15 11:16	EPA 3050B	1,6010C	JH
Zinc, Total	110		mg/kg	4.1	0.58	2	11/18/15 18:46	11/20/15 11:16	EPA 3050B	1,6010C	JH



Project Name: 15 LA RIVIERE DR AND WILKESON

Lab Number: L1530137

Project Number: 0136-013-007

Report Date: 11/25/15

SAMPLE RESULTS

Lab ID: L1530137-02

Date Collected: 11/16/15 10:37

Client ID: BCP-MW-2 (5.5-7.5)

Date Received: 11/17/15

Sample Location: BUFFALO, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 81%

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	9.7	1.9	2	11/18/15 18:46	11/20/15 11:45	EPA 3050B	1,6010C	JH
Antimony, Total	0.98	J	mg/kg	4.9	0.78	2	11/18/15 18:46	11/20/15 11:45	EPA 3050B	1,6010C	JH
Arsenic, Total	6.6		mg/kg	0.97	0.19	2	11/18/15 18:46	11/20/15 11:45	EPA 3050B	1,6010C	JH
Barium, Total	63		mg/kg	0.97	0.29	2	11/18/15 18:46	11/20/15 11:45	EPA 3050B	1,6010C	JH
Beryllium, Total	0.32	J	mg/kg	0.49	0.10	2	11/18/15 18:46	11/20/15 11:45	EPA 3050B	1,6010C	JH
Cadmium, Total	0.14	J	mg/kg	0.97	0.07	2	11/18/15 18:46	11/20/15 11:45	EPA 3050B	1,6010C	JH
Calcium, Total	19000		mg/kg	9.7	2.9	2	11/18/15 18:46	11/20/15 11:45	EPA 3050B	1,6010C	JH
Chromium, Total	8.7		mg/kg	0.97	0.19	2	11/18/15 18:46	11/20/15 11:45	EPA 3050B	1,6010C	JH
Cobalt, Total	4.4		mg/kg	1.9	0.49	2	11/18/15 18:46	11/20/15 11:45	EPA 3050B	1,6010C	JH
Copper, Total	18		mg/kg	0.97	0.19	2	11/18/15 18:46	11/20/15 11:45	EPA 3050B	1,6010C	JH
Iron, Total	14000		mg/kg	4.9	1.9	2	11/18/15 18:46	11/20/15 11:45	EPA 3050B	1,6010C	JH
Lead, Total	140		mg/kg	4.9	0.19	2	11/18/15 18:46	11/20/15 11:45	EPA 3050B	1,6010C	JH
Magnesium, Total	11000		mg/kg	9.7	0.97	2	11/18/15 18:46	11/20/15 11:45	EPA 3050B	1,6010C	JH
Manganese, Total	270		mg/kg	0.97	0.19	2	11/18/15 18:46	11/20/15 11:45	EPA 3050B	1,6010C	JH
Mercury, Total	0.34		mg/kg	0.08	0.02	1	11/19/15 07:50	11/21/15 11:37	EPA 7471B	1,7471B	KL
Nickel, Total	12		mg/kg	2.4	0.39	2	11/18/15 18:46	11/20/15 11:45	EPA 3050B	1,6010C	JH
Potassium, Total	630		mg/kg	240	39.	2	11/18/15 18:46	11/20/15 11:45	EPA 3050B	1,6010C	JH
Selenium, Total	1.0	J	mg/kg	1.9	0.29	2	11/18/15 18:46	11/20/15 11:45	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.97	0.19	2	11/18/15 18:46	11/20/15 11:45	EPA 3050B	1,6010C	JH
Sodium, Total	70	J	mg/kg	190	29.	2	11/18/15 18:46	11/20/15 11:45	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.9	0.39	2	11/18/15 18:46	11/20/15 11:45	EPA 3050B	1,6010C	JH
Vanadium, Total	12		mg/kg	0.97	0.10	2	11/18/15 18:46	11/20/15 11:45	EPA 3050B	1,6010C	JH
Zinc, Total	300		mg/kg	4.9	0.68	2	11/18/15 18:46	11/20/15 11:45	EPA 3050B	1,6010C	JH



Project Name: 15 LA RIVIERE DR AND WILKESON

Lab Number: L1530137

Project Number: 0136-013-007

Report Date: 11/25/15

SAMPLE RESULTS

Lab ID: L1530137-03

Date Collected: 11/16/15 09:34

Client ID: BCP-MW-3 (2-6)

Date Received: 11/17/15

Sample Location: BUFFALO, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4700		mg/kg	9.1	1.8	2	11/18/15 18:46	11/20/15 11:49	EPA 3050B	1,6010C	JH
Antimony, Total	5.5		mg/kg	4.6	0.73	2	11/18/15 18:46	11/20/15 11:49	EPA 3050B	1,6010C	JH
Arsenic, Total	12		mg/kg	0.91	0.18	2	11/18/15 18:46	11/20/15 11:49	EPA 3050B	1,6010C	JH
Barium, Total	91		mg/kg	0.91	0.27	2	11/18/15 18:46	11/20/15 11:49	EPA 3050B	1,6010C	JH
Beryllium, Total	0.62		mg/kg	0.46	0.09	2	11/18/15 18:46	11/20/15 11:49	EPA 3050B	1,6010C	JH
Cadmium, Total	0.69	J	mg/kg	0.91	0.06	2	11/18/15 18:46	11/20/15 11:49	EPA 3050B	1,6010C	JH
Calcium, Total	42000		mg/kg	9.1	2.7	2	11/18/15 18:46	11/20/15 11:49	EPA 3050B	1,6010C	JH
Chromium, Total	9.6		mg/kg	0.91	0.18	2	11/18/15 18:46	11/20/15 11:49	EPA 3050B	1,6010C	JH
Cobalt, Total	4.2		mg/kg	1.8	0.46	2	11/18/15 18:46	11/20/15 11:49	EPA 3050B	1,6010C	JH
Copper, Total	81		mg/kg	0.91	0.18	2	11/18/15 18:46	11/20/15 11:49	EPA 3050B	1,6010C	JH
Iron, Total	22000		mg/kg	4.6	1.8	2	11/18/15 18:46	11/20/15 11:49	EPA 3050B	1,6010C	JH
Lead, Total	210		mg/kg	4.6	0.18	2	11/18/15 18:46	11/20/15 11:49	EPA 3050B	1,6010C	JH
Magnesium, Total	7000		mg/kg	9.1	0.91	2	11/18/15 18:46	11/20/15 11:49	EPA 3050B	1,6010C	JH
Manganese, Total	460		mg/kg	0.91	0.18	2	11/18/15 18:46	11/20/15 11:49	EPA 3050B	1,6010C	JH
Mercury, Total	0.60		mg/kg	0.08	0.02	1	11/19/15 07:50	11/21/15 11:39	EPA 7471B	1,7471B	KL
Nickel, Total	13		mg/kg	2.3	0.36	2	11/18/15 18:46	11/20/15 11:49	EPA 3050B	1,6010C	JH
Potassium, Total	380		mg/kg	230	36.	2	11/18/15 18:46	11/20/15 11:49	EPA 3050B	1,6010C	JH
Selenium, Total	1.6	J	mg/kg	1.8	0.27	2	11/18/15 18:46	11/20/15 11:49	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.91	0.18	2	11/18/15 18:46	11/20/15 11:49	EPA 3050B	1,6010C	JH
Sodium, Total	170	J	mg/kg	180	27.	2	11/18/15 18:46	11/20/15 11:49	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.8	0.36	2	11/18/15 18:46	11/20/15 11:49	EPA 3050B	1,6010C	JH
Vanadium, Total	12		mg/kg	0.91	0.09	2	11/18/15 18:46	11/20/15 11:49	EPA 3050B	1,6010C	JH
Zinc, Total	380		mg/kg	4.6	0.64	2	11/18/15 18:46	11/20/15 11:49	EPA 3050B	1,6010C	JH



Project Name: 15 LA RIVIERE DR AND WILKESON

Lab Number: L1530137

Project Number: 0136-013-007

Report Date: 11/25/15

SAMPLE RESULTS

Lab ID: L1530137-04

Date Collected: 11/16/15 15:39

Client ID: BCP-MW-4 (12-16)

Date Received: 11/17/15

Sample Location: BUFFALO, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	2500		mg/kg	9.4	1.9	2	11/18/15 18:46	11/20/15 11:53	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.7	0.75	2	11/18/15 18:46	11/20/15 11:53	EPA 3050B	1,6010C	JH
Arsenic, Total	1.1		mg/kg	0.94	0.19	2	11/18/15 18:46	11/20/15 11:53	EPA 3050B	1,6010C	JH
Barium, Total	8.0		mg/kg	0.94	0.28	2	11/18/15 18:46	11/20/15 11:53	EPA 3050B	1,6010C	JH
Beryllium, Total	0.23	J	mg/kg	0.47	0.09	2	11/18/15 18:46	11/20/15 11:53	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.94	0.07	2	11/18/15 18:46	11/20/15 11:53	EPA 3050B	1,6010C	JH
Calcium, Total	2100		mg/kg	9.4	2.8	2	11/18/15 18:46	11/20/15 11:53	EPA 3050B	1,6010C	JH
Chromium, Total	3.6		mg/kg	0.94	0.19	2	11/18/15 18:46	11/20/15 11:53	EPA 3050B	1,6010C	JH
Cobalt, Total	4.5		mg/kg	1.9	0.47	2	11/18/15 18:46	11/20/15 11:53	EPA 3050B	1,6010C	JH
Copper, Total	5.6		mg/kg	0.94	0.19	2	11/18/15 18:46	11/20/15 11:53	EPA 3050B	1,6010C	JH
Iron, Total	5900		mg/kg	4.7	1.9	2	11/18/15 18:46	11/20/15 11:53	EPA 3050B	1,6010C	JH
Lead, Total	2.6	J	mg/kg	4.7	0.19	2	11/18/15 18:46	11/20/15 11:53	EPA 3050B	1,6010C	JH
Magnesium, Total	1800		mg/kg	9.4	0.94	2	11/18/15 18:46	11/20/15 11:53	EPA 3050B	1,6010C	JH
Manganese, Total	56		mg/kg	0.94	0.19	2	11/18/15 18:46	11/20/15 11:53	EPA 3050B	1,6010C	JH
Mercury, Total	ND		mg/kg	0.08	0.02	1	11/19/15 07:50	11/21/15 11:45	EPA 7471B	1,7471B	KL
Nickel, Total	10		mg/kg	2.4	0.38	2	11/18/15 18:46	11/20/15 11:53	EPA 3050B	1,6010C	JH
Potassium, Total	260		mg/kg	240	38.	2	11/18/15 18:46	11/20/15 11:53	EPA 3050B	1,6010C	JH
Selenium, Total	0.64	J	mg/kg	1.9	0.28	2	11/18/15 18:46	11/20/15 11:53	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.94	0.19	2	11/18/15 18:46	11/20/15 11:53	EPA 3050B	1,6010C	JH
Sodium, Total	84	J	mg/kg	190	28.	2	11/18/15 18:46	11/20/15 11:53	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.9	0.38	2	11/18/15 18:46	11/20/15 11:53	EPA 3050B	1,6010C	JH
Vanadium, Total	5.9		mg/kg	0.94	0.09	2	11/18/15 18:46	11/20/15 11:53	EPA 3050B	1,6010C	JH
Zinc, Total	41		mg/kg	4.7	0.66	2	11/18/15 18:46	11/20/15 11:53	EPA 3050B	1,6010C	JH



Project Name: 15 LA RIVIERE DR AND WILKESON

Lab Number: L1530137

Project Number: 0136-013-007

Report Date: 11/25/15

SAMPLE RESULTS

Lab ID: L1530137-05
 Client ID: BLIND DUP #1
 Sample Location: BUFFALO, NY
 Matrix: Soil
 Percent Solids: 82%

Date Collected: 11/16/15 12:00
 Date Received: 11/17/15
 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	3700		mg/kg	9.6	1.9	2	11/18/15 18:46	11/20/15 11:57	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.8	0.76	2	11/18/15 18:46	11/20/15 11:57	EPA 3050B	1,6010C	JH
Arsenic, Total	1.7		mg/kg	0.96	0.19	2	11/18/15 18:46	11/20/15 11:57	EPA 3050B	1,6010C	JH
Barium, Total	9.9		mg/kg	0.96	0.29	2	11/18/15 18:46	11/20/15 11:57	EPA 3050B	1,6010C	JH
Beryllium, Total	0.32	J	mg/kg	0.48	0.10	2	11/18/15 18:46	11/20/15 11:57	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.96	0.07	2	11/18/15 18:46	11/20/15 11:57	EPA 3050B	1,6010C	JH
Calcium, Total	1100		mg/kg	9.6	2.9	2	11/18/15 18:46	11/20/15 11:57	EPA 3050B	1,6010C	JH
Chromium, Total	4.6		mg/kg	0.96	0.19	2	11/18/15 18:46	11/20/15 11:57	EPA 3050B	1,6010C	JH
Cobalt, Total	5.7		mg/kg	1.9	0.48	2	11/18/15 18:46	11/20/15 11:57	EPA 3050B	1,6010C	JH
Copper, Total	14		mg/kg	0.96	0.19	2	11/18/15 18:46	11/20/15 11:57	EPA 3050B	1,6010C	JH
Iron, Total	7500		mg/kg	4.8	1.9	2	11/18/15 18:46	11/20/15 11:57	EPA 3050B	1,6010C	JH
Lead, Total	3.2	J	mg/kg	4.8	0.19	2	11/18/15 18:46	11/20/15 11:57	EPA 3050B	1,6010C	JH
Magnesium, Total	1200		mg/kg	9.6	0.96	2	11/18/15 18:46	11/20/15 11:57	EPA 3050B	1,6010C	JH
Manganese, Total	58		mg/kg	0.96	0.19	2	11/18/15 18:46	11/20/15 11:57	EPA 3050B	1,6010C	JH
Mercury, Total	ND		mg/kg	0.08	0.02	1	11/19/15 07:50	11/21/15 11:46	EPA 7471B	1,7471B	KL
Nickel, Total	15		mg/kg	2.4	0.38	2	11/18/15 18:46	11/20/15 11:57	EPA 3050B	1,6010C	JH
Potassium, Total	290		mg/kg	240	38.	2	11/18/15 18:46	11/20/15 11:57	EPA 3050B	1,6010C	JH
Selenium, Total	0.48	J	mg/kg	1.9	0.29	2	11/18/15 18:46	11/20/15 11:57	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.96	0.19	2	11/18/15 18:46	11/20/15 11:57	EPA 3050B	1,6010C	JH
Sodium, Total	95	J	mg/kg	190	29.	2	11/18/15 18:46	11/20/15 11:57	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.9	0.38	2	11/18/15 18:46	11/20/15 11:57	EPA 3050B	1,6010C	JH
Vanadium, Total	7.8		mg/kg	0.96	0.10	2	11/18/15 18:46	11/20/15 11:57	EPA 3050B	1,6010C	JH
Zinc, Total	49		mg/kg	4.8	0.67	2	11/18/15 18:46	11/20/15 11:57	EPA 3050B	1,6010C	JH



Project Name: 15 LA RIVIERE DR AND WILKESON

Lab Number: L1530137

Project Number: 0136-013-007

Report Date: 11/25/15

SAMPLE RESULTS

Lab ID: L1530137-06
 Client ID: BCP-MW-6 (2-4)
 Sample Location: BUFFALO, NY
 Matrix: Soil
 Percent Solids: 87%

Date Collected: 11/16/15 13:13
 Date Received: 11/17/15
 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	3200		mg/kg	9.0	1.8	2	11/18/15 18:46	11/20/15 12:00	EPA 3050B	1,6010C	JH
Antimony, Total	3.6	J	mg/kg	4.5	0.72	2	11/18/15 18:46	11/20/15 12:00	EPA 3050B	1,6010C	JH
Arsenic, Total	12		mg/kg	0.90	0.18	2	11/18/15 18:46	11/20/15 12:00	EPA 3050B	1,6010C	JH
Barium, Total	170		mg/kg	0.90	0.27	2	11/18/15 18:46	11/20/15 12:00	EPA 3050B	1,6010C	JH
Beryllium, Total	0.29	J	mg/kg	0.45	0.09	2	11/18/15 18:46	11/20/15 12:00	EPA 3050B	1,6010C	JH
Cadmium, Total	0.72	J	mg/kg	0.90	0.06	2	11/18/15 18:46	11/20/15 12:00	EPA 3050B	1,6010C	JH
Calcium, Total	40000		mg/kg	9.0	2.7	2	11/18/15 18:46	11/20/15 12:00	EPA 3050B	1,6010C	JH
Chromium, Total	15		mg/kg	0.90	0.18	2	11/18/15 18:46	11/20/15 12:00	EPA 3050B	1,6010C	JH
Cobalt, Total	4.0		mg/kg	1.8	0.45	2	11/18/15 18:46	11/20/15 12:00	EPA 3050B	1,6010C	JH
Copper, Total	50		mg/kg	0.90	0.18	2	11/18/15 18:46	11/20/15 12:00	EPA 3050B	1,6010C	JH
Iron, Total	12000		mg/kg	4.5	1.8	2	11/18/15 18:46	11/20/15 12:00	EPA 3050B	1,6010C	JH
Lead, Total	340		mg/kg	4.5	0.18	2	11/18/15 18:46	11/20/15 12:00	EPA 3050B	1,6010C	JH
Magnesium, Total	17000		mg/kg	9.0	0.90	2	11/18/15 18:46	11/20/15 12:00	EPA 3050B	1,6010C	JH
Manganese, Total	220		mg/kg	0.90	0.18	2	11/18/15 18:46	11/20/15 12:00	EPA 3050B	1,6010C	JH
Mercury, Total	0.48		mg/kg	0.08	0.02	1	11/19/15 07:50	11/21/15 11:48	EPA 7471B	1,7471B	KL
Nickel, Total	12		mg/kg	2.3	0.36	2	11/18/15 18:46	11/20/15 12:00	EPA 3050B	1,6010C	JH
Potassium, Total	420		mg/kg	230	36.	2	11/18/15 18:46	11/20/15 12:00	EPA 3050B	1,6010C	JH
Selenium, Total	0.93	J	mg/kg	1.8	0.27	2	11/18/15 18:46	11/20/15 12:00	EPA 3050B	1,6010C	JH
Silver, Total	0.27	J	mg/kg	0.90	0.18	2	11/18/15 18:46	11/20/15 12:00	EPA 3050B	1,6010C	JH
Sodium, Total	370		mg/kg	180	27.	2	11/18/15 18:46	11/20/15 12:00	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.8	0.36	2	11/18/15 18:46	11/20/15 12:00	EPA 3050B	1,6010C	JH
Vanadium, Total	9.5		mg/kg	0.90	0.09	2	11/18/15 18:46	11/20/15 12:00	EPA 3050B	1,6010C	JH
Zinc, Total	260		mg/kg	4.5	0.63	2	11/18/15 18:46	11/20/15 12:00	EPA 3050B	1,6010C	JH



Project Name: 15 LA RIVIERE DR AND WILKESON

Lab Number: L1530137

Project Number: 0136-013-007

Report Date: 11/25/15

SAMPLE RESULTS

Lab ID: L1530137-07
 Client ID: BCP-MW-7 (4-6)
 Sample Location: BUFFALO, NY
 Matrix: Soil
 Percent Solids: 80%

Date Collected: 11/16/15 14:09
 Date Received: 11/17/15
 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	2700		mg/kg	9.8	2.0	2	11/18/15 18:46	11/20/15 12:04	EPA 3050B	1,6010C	JH
Antimony, Total	3.1	J	mg/kg	4.9	0.78	2	11/18/15 18:46	11/20/15 12:04	EPA 3050B	1,6010C	JH
Arsenic, Total	11		mg/kg	0.98	0.20	2	11/18/15 18:46	11/20/15 12:04	EPA 3050B	1,6010C	JH
Barium, Total	640		mg/kg	0.98	0.29	2	11/18/15 18:46	11/20/15 12:04	EPA 3050B	1,6010C	JH
Beryllium, Total	0.30	J	mg/kg	0.49	0.10	2	11/18/15 18:46	11/20/15 12:04	EPA 3050B	1,6010C	JH
Cadmium, Total	1.3		mg/kg	0.98	0.07	2	11/18/15 18:46	11/20/15 12:04	EPA 3050B	1,6010C	JH
Calcium, Total	19000		mg/kg	9.8	2.9	2	11/18/15 18:46	11/20/15 12:04	EPA 3050B	1,6010C	JH
Chromium, Total	18		mg/kg	0.98	0.20	2	11/18/15 18:46	11/20/15 12:04	EPA 3050B	1,6010C	JH
Cobalt, Total	5.4		mg/kg	2.0	0.49	2	11/18/15 18:46	11/20/15 12:04	EPA 3050B	1,6010C	JH
Copper, Total	61		mg/kg	0.98	0.20	2	11/18/15 18:46	11/20/15 12:04	EPA 3050B	1,6010C	JH
Iron, Total	19000		mg/kg	4.9	2.0	2	11/18/15 18:46	11/20/15 12:04	EPA 3050B	1,6010C	JH
Lead, Total	1500		mg/kg	4.9	0.20	2	11/18/15 18:46	11/20/15 12:04	EPA 3050B	1,6010C	JH
Magnesium, Total	4700		mg/kg	9.8	0.98	2	11/18/15 18:46	11/20/15 12:04	EPA 3050B	1,6010C	JH
Manganese, Total	300		mg/kg	0.98	0.20	2	11/18/15 18:46	11/20/15 12:04	EPA 3050B	1,6010C	JH
Mercury, Total	2.0		mg/kg	0.08	0.02	1	11/19/15 07:50	11/21/15 11:50	EPA 7471B	1,7471B	KL
Nickel, Total	10		mg/kg	2.4	0.39	2	11/18/15 18:46	11/20/15 12:04	EPA 3050B	1,6010C	JH
Potassium, Total	410		mg/kg	240	39.	2	11/18/15 18:46	11/20/15 12:04	EPA 3050B	1,6010C	JH
Selenium, Total	0.93	J	mg/kg	2.0	0.29	2	11/18/15 18:46	11/20/15 12:04	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.98	0.20	2	11/18/15 18:46	11/20/15 12:04	EPA 3050B	1,6010C	JH
Sodium, Total	340		mg/kg	200	29.	2	11/18/15 18:46	11/20/15 12:04	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	2.0	0.39	2	11/18/15 18:46	11/20/15 12:04	EPA 3050B	1,6010C	JH
Vanadium, Total	14		mg/kg	0.98	0.10	2	11/18/15 18:46	11/20/15 12:04	EPA 3050B	1,6010C	JH
Zinc, Total	1100		mg/kg	4.9	0.68	2	11/18/15 18:46	11/20/15 12:04	EPA 3050B	1,6010C	JH



Project Name: 15 LA RIVIERE DR AND WILKESON

Lab Number: L1530137

Project Number: 0136-013-007

Report Date: 11/25/15

SAMPLE RESULTS

Lab ID: L1530137-08

Date Collected: 11/16/15 15:10

Client ID: BCP-MW-8 (8-12)

Date Received: 11/17/15

Sample Location: BUFFALO, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	10000		mg/kg	8.6	1.7	2	11/18/15 18:46	11/20/15 12:08	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.3	0.69	2	11/18/15 18:46	11/20/15 12:08	EPA 3050B	1,6010C	JH
Arsenic, Total	0.64	J	mg/kg	0.86	0.17	2	11/18/15 18:46	11/20/15 12:08	EPA 3050B	1,6010C	JH
Barium, Total	77		mg/kg	0.86	0.26	2	11/18/15 18:46	11/20/15 12:08	EPA 3050B	1,6010C	JH
Beryllium, Total	2.5		mg/kg	0.43	0.09	2	11/18/15 18:46	11/20/15 12:08	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.86	0.06	2	11/18/15 18:46	11/20/15 12:08	EPA 3050B	1,6010C	JH
Calcium, Total	57000		mg/kg	8.6	2.6	2	11/18/15 18:46	11/20/15 12:08	EPA 3050B	1,6010C	JH
Chromium, Total	2.8		mg/kg	0.86	0.17	2	11/18/15 18:46	11/20/15 12:08	EPA 3050B	1,6010C	JH
Cobalt, Total	ND		mg/kg	1.7	0.43	2	11/18/15 18:46	11/20/15 12:08	EPA 3050B	1,6010C	JH
Copper, Total	0.26	J	mg/kg	0.86	0.17	2	11/18/15 18:46	11/20/15 12:08	EPA 3050B	1,6010C	JH
Iron, Total	8600		mg/kg	4.3	1.7	2	11/18/15 18:46	11/20/15 12:08	EPA 3050B	1,6010C	JH
Lead, Total	ND		mg/kg	4.3	0.17	2	11/18/15 18:46	11/20/15 12:08	EPA 3050B	1,6010C	JH
Magnesium, Total	15000		mg/kg	8.6	0.86	2	11/18/15 18:46	11/20/15 12:08	EPA 3050B	1,6010C	JH
Manganese, Total	1100		mg/kg	0.86	0.17	2	11/18/15 18:46	11/20/15 12:08	EPA 3050B	1,6010C	JH
Mercury, Total	ND		mg/kg	0.07	0.02	1	11/19/15 07:50	11/21/15 11:52	EPA 7471B	1,7471B	KL
Nickel, Total	ND		mg/kg	2.2	0.34	2	11/18/15 18:46	11/20/15 12:08	EPA 3050B	1,6010C	JH
Potassium, Total	580		mg/kg	220	34.	2	11/18/15 18:46	11/20/15 12:08	EPA 3050B	1,6010C	JH
Selenium, Total	1.1	J	mg/kg	1.7	0.26	2	11/18/15 18:46	11/20/15 12:08	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.86	0.17	2	11/18/15 18:46	11/20/15 12:08	EPA 3050B	1,6010C	JH
Sodium, Total	450		mg/kg	170	26.	2	11/18/15 18:46	11/20/15 12:08	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.7	0.34	2	11/18/15 18:46	11/20/15 12:08	EPA 3050B	1,6010C	JH
Vanadium, Total	2.6		mg/kg	0.86	0.09	2	11/18/15 18:46	11/20/15 12:08	EPA 3050B	1,6010C	JH
Zinc, Total	1.0	J	mg/kg	4.3	0.60	2	11/18/15 18:46	11/20/15 12:08	EPA 3050B	1,6010C	JH



Project Name: 15 LA RIVIERE DR AND WILKESON

Lab Number: L1530137

Project Number: 0136-013-007

Report Date: 11/25/15

SAMPLE RESULTS

Lab ID: L1530137-09

Date Collected: 11/17/15 09:51

Client ID: SS-3 (0-0.5)

Date Received: 11/17/15

Sample Location: BUFFALO, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6500		mg/kg	9.9	2.0	2	11/18/15 18:46	11/20/15 12:13	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.9	0.79	2	11/18/15 18:46	11/20/15 12:13	EPA 3050B	1,6010C	JH
Arsenic, Total	4.2		mg/kg	0.99	0.20	2	11/18/15 18:46	11/20/15 12:13	EPA 3050B	1,6010C	JH
Barium, Total	54		mg/kg	0.99	0.30	2	11/18/15 18:46	11/20/15 12:13	EPA 3050B	1,6010C	JH
Beryllium, Total	0.36	J	mg/kg	0.49	0.10	2	11/18/15 18:46	11/20/15 12:13	EPA 3050B	1,6010C	JH
Cadmium, Total	0.07	J	mg/kg	0.99	0.07	2	11/18/15 18:46	11/20/15 12:13	EPA 3050B	1,6010C	JH
Calcium, Total	12000		mg/kg	9.9	3.0	2	11/18/15 18:46	11/20/15 12:13	EPA 3050B	1,6010C	JH
Chromium, Total	12		mg/kg	0.99	0.20	2	11/18/15 18:46	11/20/15 12:13	EPA 3050B	1,6010C	JH
Cobalt, Total	3.8		mg/kg	2.0	0.49	2	11/18/15 18:46	11/20/15 12:13	EPA 3050B	1,6010C	JH
Copper, Total	19		mg/kg	0.99	0.20	2	11/18/15 18:46	11/20/15 12:13	EPA 3050B	1,6010C	JH
Iron, Total	10000		mg/kg	4.9	2.0	2	11/18/15 18:46	11/20/15 12:13	EPA 3050B	1,6010C	JH
Lead, Total	43		mg/kg	4.9	0.20	2	11/18/15 18:46	11/20/15 12:13	EPA 3050B	1,6010C	JH
Magnesium, Total	5500		mg/kg	9.9	0.99	2	11/18/15 18:46	11/20/15 12:13	EPA 3050B	1,6010C	JH
Manganese, Total	220		mg/kg	0.99	0.20	2	11/18/15 18:46	11/20/15 12:13	EPA 3050B	1,6010C	JH
Mercury, Total	0.30		mg/kg	0.08	0.02	1	11/19/15 07:50	11/21/15 11:54	EPA 7471B	1,7471B	KL
Nickel, Total	9.4		mg/kg	2.5	0.39	2	11/18/15 18:46	11/20/15 12:13	EPA 3050B	1,6010C	JH
Potassium, Total	780		mg/kg	250	39.	2	11/18/15 18:46	11/20/15 12:13	EPA 3050B	1,6010C	JH
Selenium, Total	0.82	J	mg/kg	2.0	0.30	2	11/18/15 18:46	11/20/15 12:13	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.99	0.20	2	11/18/15 18:46	11/20/15 12:13	EPA 3050B	1,6010C	JH
Sodium, Total	49	J	mg/kg	200	30.	2	11/18/15 18:46	11/20/15 12:13	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	2.0	0.39	2	11/18/15 18:46	11/20/15 12:13	EPA 3050B	1,6010C	JH
Vanadium, Total	12		mg/kg	0.99	0.10	2	11/18/15 18:46	11/20/15 12:13	EPA 3050B	1,6010C	JH
Zinc, Total	75		mg/kg	4.9	0.69	2	11/18/15 18:46	11/20/15 12:13	EPA 3050B	1,6010C	JH



Project Name: 15 LA RIVIERE DR AND WILKESON

Lab Number: L1530137

Project Number: 0136-013-007

Report Date: 11/25/15

SAMPLE RESULTS

Lab ID: L1530137-10

Date Collected: 11/17/15 09:58

Client ID: SS-2 (0-0.5)

Date Received: 11/17/15

Sample Location: BUFFALO, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 68%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	8800		mg/kg	11	2.3	2	11/18/15 18:46	11/20/15 14:11	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	5.7	0.91	2	11/18/15 18:46	11/20/15 14:11	EPA 3050B	1,6010C	JH
Arsenic, Total	4.0		mg/kg	1.1	0.23	2	11/18/15 18:46	11/20/15 14:11	EPA 3050B	1,6010C	JH
Barium, Total	71		mg/kg	1.1	0.34	2	11/18/15 18:46	11/20/15 14:11	EPA 3050B	1,6010C	JH
Beryllium, Total	0.44	J	mg/kg	0.57	0.11	2	11/18/15 18:46	11/20/15 14:11	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	1.1	0.08	2	11/18/15 18:46	11/20/15 14:11	EPA 3050B	1,6010C	JH
Calcium, Total	7700		mg/kg	11	3.4	2	11/18/15 18:46	11/20/15 14:11	EPA 3050B	1,6010C	JH
Chromium, Total	16		mg/kg	1.1	0.23	2	11/18/15 18:46	11/20/15 14:11	EPA 3050B	1,6010C	JH
Cobalt, Total	5.1		mg/kg	2.3	0.57	2	11/18/15 18:46	11/20/15 14:11	EPA 3050B	1,6010C	JH
Copper, Total	20		mg/kg	1.1	0.23	2	11/18/15 18:46	11/20/15 14:11	EPA 3050B	1,6010C	JH
Iron, Total	13000		mg/kg	5.7	2.3	2	11/18/15 18:46	11/20/15 14:11	EPA 3050B	1,6010C	JH
Lead, Total	40		mg/kg	5.7	0.23	2	11/18/15 18:46	11/20/15 14:11	EPA 3050B	1,6010C	JH
Magnesium, Total	4200		mg/kg	11	1.1	2	11/18/15 18:46	11/20/15 14:11	EPA 3050B	1,6010C	JH
Manganese, Total	570		mg/kg	1.1	0.23	2	11/18/15 18:46	11/20/15 14:11	EPA 3050B	1,6010C	JH
Mercury, Total	0.13		mg/kg	0.10	0.02	1	11/19/15 07:50	11/21/15 11:56	EPA 7471B	1,7471B	KL
Nickel, Total	12		mg/kg	2.8	0.45	2	11/18/15 18:46	11/20/15 14:11	EPA 3050B	1,6010C	JH
Potassium, Total	690		mg/kg	280	45.	2	11/18/15 18:46	11/20/15 14:11	EPA 3050B	1,6010C	JH
Selenium, Total	0.80	J	mg/kg	2.3	0.34	2	11/18/15 18:46	11/20/15 14:11	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	1.1	0.23	2	11/18/15 18:46	11/20/15 14:11	EPA 3050B	1,6010C	JH
Sodium, Total	59	J	mg/kg	230	34.	2	11/18/15 18:46	11/20/15 14:11	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	2.3	0.45	2	11/18/15 18:46	11/20/15 14:11	EPA 3050B	1,6010C	JH
Vanadium, Total	16		mg/kg	1.1	0.11	2	11/18/15 18:46	11/20/15 14:11	EPA 3050B	1,6010C	JH
Zinc, Total	100		mg/kg	5.7	0.79	2	11/18/15 18:46	11/20/15 14:11	EPA 3050B	1,6010C	JH



Project Name: 15 LA RIVIERE DR AND WILKESON

Lab Number: L1530137

Project Number: 0136-013-007

Report Date: 11/25/15

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: WG842069-1										
Aluminum, Total	1.7	J	mg/kg	4.0	0.80	1	11/18/15 18:46	11/20/15 09:51	1,6010C	JH
Antimony, Total	ND		mg/kg	2.0	0.32	1	11/18/15 18:46	11/20/15 09:51	1,6010C	JH
Arsenic, Total	ND		mg/kg	0.40	0.08	1	11/18/15 18:46	11/20/15 09:51	1,6010C	JH
Barium, Total	ND		mg/kg	0.40	0.12	1	11/18/15 18:46	11/20/15 09:51	1,6010C	JH
Beryllium, Total	ND		mg/kg	0.20	0.04	1	11/18/15 18:46	11/20/15 09:51	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.40	0.03	1	11/18/15 18:46	11/20/15 09:51	1,6010C	JH
Calcium, Total	1.8	J	mg/kg	4.0	1.2	1	11/18/15 18:46	11/20/15 09:51	1,6010C	JH
Chromium, Total	ND		mg/kg	0.40	0.08	1	11/18/15 18:46	11/20/15 09:51	1,6010C	JH
Cobalt, Total	ND		mg/kg	0.80	0.20	1	11/18/15 18:46	11/20/15 09:51	1,6010C	JH
Copper, Total	ND		mg/kg	0.40	0.08	1	11/18/15 18:46	11/20/15 09:51	1,6010C	JH
Iron, Total	ND		mg/kg	2.0	0.80	1	11/18/15 18:46	11/20/15 09:51	1,6010C	JH
Lead, Total	ND		mg/kg	2.0	0.08	1	11/18/15 18:46	11/20/15 09:51	1,6010C	JH
Magnesium, Total	1.4	J	mg/kg	4.0	0.40	1	11/18/15 18:46	11/20/15 09:51	1,6010C	JH
Manganese, Total	ND		mg/kg	0.40	0.08	1	11/18/15 18:46	11/20/15 09:51	1,6010C	JH
Nickel, Total	ND		mg/kg	1.0	0.16	1	11/18/15 18:46	11/20/15 09:51	1,6010C	JH
Potassium, Total	ND		mg/kg	100	16.	1	11/18/15 18:46	11/20/15 09:51	1,6010C	JH
Selenium, Total	ND		mg/kg	0.80	0.12	1	11/18/15 18:46	11/20/15 09:51	1,6010C	JH
Silver, Total	ND		mg/kg	0.40	0.08	1	11/18/15 18:46	11/20/15 09:51	1,6010C	JH
Sodium, Total	ND		mg/kg	80	12.	1	11/18/15 18:46	11/20/15 09:51	1,6010C	JH
Thallium, Total	ND		mg/kg	0.80	0.16	1	11/18/15 18:46	11/20/15 09:51	1,6010C	JH
Vanadium, Total	ND		mg/kg	0.40	0.04	1	11/18/15 18:46	11/20/15 09:51	1,6010C	JH
Zinc, Total	ND		mg/kg	2.0	0.28	1	11/18/15 18:46	11/20/15 09:51	1,6010C	JH

Prep Information

Digestion Method: EPA 3050B

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: WG842173-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	11/19/15 07:50	11/21/15 11:26	1,7471B	KL



Project Name: 15 LA RIVIERE DR AND WILKESON

Lab Number: L1530137

Project Number: 0136-013-007

Report Date: 11/25/15

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 15 LA RIVIERE DR AND WILKESON

Project Number: 0136-013-007

Lab Number: L1530137

Report Date: 11/25/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-10 Batch: WG842069-2 SRM Lot Number: D088-540								
Aluminum, Total	79		-		48-151	-		
Antimony, Total	187		-		1-208	-		
Arsenic, Total	105		-		79-121	-		
Barium, Total	99		-		83-117	-		
Beryllium, Total	97		-		83-117	-		
Cadmium, Total	99		-		83-117	-		
Calcium, Total	96		-		81-119	-		
Chromium, Total	92		-		80-120	-		
Cobalt, Total	102		-		84-115	-		
Copper, Total	98		-		81-118	-		
Iron, Total	103		-		45-155	-		
Lead, Total	93		-		81-117	-		
Magnesium, Total	94		-		76-124	-		
Manganese, Total	93		-		81-118	-		
Nickel, Total	98		-		83-117	-		
Potassium, Total	93		-		71-129	-		
Selenium, Total	97		-		78-122	-		
Silver, Total	100		-		75-124	-		
Sodium, Total	97		-		72-127	-		
Thallium, Total	100		-		80-120	-		
Vanadium, Total	97		-		78-122	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 15 LA RIVIERE DR AND WILKESON

Project Number: 0136-013-007

Lab Number: L1530137

Report Date: 11/25/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-10 Batch: WG842069-2 SRM Lot Number: D088-540					
Zinc, Total	101	-	82-118	-	
Total Metals - Westborough Lab Associated sample(s): 01-10 Batch: WG842173-2 SRM Lot Number: D088-540					
Mercury, Total	102	-	72-128	-	

Matrix Spike Analysis **Batch Quality Control**

Project Name: 15 LA RIVIERE DR AND WILKESON
Project Number: 0136-013-007

Lab Number: L1530137
Report Date: 11/25/15

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: WG842069-4 QC Sample: L1530018-01 Client ID: MS Sample												
Aluminum, Total	2700	182	3900	660	Q	-	-		75-125	-		20
Antimony, Total	1.5J	45.4	38	84		-	-		75-125	-		20
Arsenic, Total	26.	10.9	68	385	Q	-	-		75-125	-		20
Barium, Total	91.	182	220	71	Q	-	-		75-125	-		20
Beryllium, Total	0.45J	4.54	4.3	95		-	-		75-125	-		20
Cadmium, Total	0.12J	4.63	3.4	73	Q	-	-		75-125	-		20
Calcium, Total	8100	908	8100	0	Q	-	-		75-125	-		20
Chromium, Total	8.7	18.2	26	95		-	-		75-125	-		20
Cobalt, Total	10.	45.4	63	117		-	-		75-125	-		20
Copper, Total	71.	22.7	110	172	Q	-	-		75-125	-		20
Iron, Total	20000	90.8	49000	31900	Q	-	-		75-125	-		20
Lead, Total	310	46.3	190	0	Q	-	-		75-125	-		20
Magnesium, Total	1400	908	3300	209	Q	-	-		75-125	-		20
Manganese, Total	230	45.4	220	0	Q	-	-		75-125	-		20
Nickel, Total	20.	45.4	91	156	Q	-	-		75-125	-		20
Potassium, Total	1000	908	2000	110		-	-		75-125	-		20
Selenium, Total	1.8J	10.9	11	101		-	-		75-125	-		20
Silver, Total	ND	27.2	44	161	Q	-	-		75-125	-		20
Sodium, Total	2000	908	3000	110		-	-		75-125	-		20
Thallium, Total	ND	10.9	8.0	73	Q	-	-		75-125	-		20
Vanadium, Total	9.5	45.4	54	98		-	-		75-125	-		20

Matrix Spike Analysis Batch Quality Control

Project Name: 15 LA RIVIERE DR AND WILKESON
Project Number: 0136-013-007

Lab Number: L1530137
Report Date: 11/25/15

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: WG842069-4 QC Sample: L1530018-01 Client ID: MS Sample									
Zinc, Total	380	45.4	500	264	Q	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG842173-4 QC Sample: L1530137-01 Client ID: BCP-MW-1 (4-6)									
Mercury, Total	0.37	0.138	0.42	36	Q	-	80-120	-	20

Lab Duplicate Analysis Batch Quality Control

Project Name: 15 LA RIVIERE DR AND WILKESON

Project Number: 0136-013-007

Lab Number: L1530137

Report Date: 11/25/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG842069-3 QC Sample: L1530018-01 Client ID: DUP Sample						
Aluminum, Total	2700	3500	mg/kg	26	Q	20
Antimony, Total	1.5J	1.2J	mg/kg	NC		20
Arsenic, Total	26.	28	mg/kg	7		20
Barium, Total	91.	74	mg/kg	21	Q	20
Beryllium, Total	0.45J	0.31J	mg/kg	NC		20
Cadmium, Total	0.12J	ND	mg/kg	NC		20
Calcium, Total	8100	7300	mg/kg	10		20
Chromium, Total	8.7	9.4	mg/kg	8		20
Cobalt, Total	10.	12	mg/kg	18		20
Copper, Total	71.	62	mg/kg	14		20
Iron, Total	20000	29000	mg/kg	37	Q	20
Lead, Total	310	210	mg/kg	38	Q	20
Magnesium, Total	1400	1400	mg/kg	0		20
Manganese, Total	230	160	mg/kg	36	Q	20
Nickel, Total	20.	22	mg/kg	10		20
Potassium, Total	1000	1000	mg/kg	0		20
Selenium, Total	1.8J	1.9	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	2000	2100	mg/kg	5		20

Project Name: 15 LA RIVIERE DR AND WILKESON
Project Number: 0136-013-007

Lab Duplicate Analysis

Batch Quality Control

Lab Number: L1530137
Report Date: 11/25/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG842069-3 QC Sample: L1530018-01 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	9.5	9.9	mg/kg	4	20
Zinc, Total	380	340	mg/kg	11	20
Total Metals - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG842173-3 QC Sample: L1530137-01 Client ID: BCP-MW-1 (4-6)					
Mercury, Total	0.37	0.30	mg/kg	21	Q 20

INORGANICS & MISCELLANEOUS

Project Name: 15 LA RIVIERE DR AND WILKESON
Project Number: 0136-013-007

Lab Number: L1530137
Report Date: 11/25/15

SAMPLE RESULTS

Lab ID: L1530137-01
Client ID: BCP-MW-1 (4-6)
Sample Location: BUFFALO, NY
Matrix: Soil

Date Collected: 11/16/15 11:56
Date Received: 11/17/15
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	92.1		%	0.100	NA	1	-	11/18/15 12:42	30,2540G	RI



Project Name: 15 LA RIVIERE DR AND WILKESON
Project Number: 0136-013-007

Lab Number: L1530137
Report Date: 11/25/15

SAMPLE RESULTS

Lab ID: L1530137-02
Client ID: BCP-MW-2 (5.5-7.5)
Sample Location: BUFFALO, NY
Matrix: Soil

Date Collected: 11/16/15 10:37
Date Received: 11/17/15
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	81.4		%	0.100	NA	1	-	11/18/15 12:42	30,2540G	RI



Project Name: 15 LA RIVIERE DR AND WILKESON
Project Number: 0136-013-007

Lab Number: L1530137
Report Date: 11/25/15

SAMPLE RESULTS

Lab ID: L1530137-03
Client ID: BCP-MW-3 (2-6)
Sample Location: BUFFALO, NY
Matrix: Soil

Date Collected: 11/16/15 09:34
Date Received: 11/17/15
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	84.8		%	0.100	NA	1	-	11/18/15 12:42	30,2540G	RI



Project Name: 15 LA RIVIERE DR AND WILKESON
Project Number: 0136-013-007

Lab Number: L1530137
Report Date: 11/25/15

SAMPLE RESULTS

Lab ID: L1530137-04
Client ID: BCP-MW-4 (12-16)
Sample Location: BUFFALO, NY
Matrix: Soil

Date Collected: 11/16/15 15:39
Date Received: 11/17/15
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	82.5		%	0.100	NA	1	-	11/18/15 12:42	30,2540G	RI



Project Name: 15 LA RIVIERE DR AND WILKESON
Project Number: 0136-013-007

Lab Number: L1530137
Report Date: 11/25/15

SAMPLE RESULTS

Lab ID: L1530137-05
Client ID: BLIND DUP #1
Sample Location: BUFFALO, NY
Matrix: Soil

Date Collected: 11/16/15 12:00
Date Received: 11/17/15
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	81.5		%	0.100	NA	1	-	11/18/15 13:07	30,2540G	RI



Project Name: 15 LA RIVIERE DR AND WILKESON
Project Number: 0136-013-007

Lab Number: L1530137
Report Date: 11/25/15

SAMPLE RESULTS

Lab ID: L1530137-06
Client ID: BCP-MW-6 (2-4)
Sample Location: BUFFALO, NY
Matrix: Soil

Date Collected: 11/16/15 13:13
Date Received: 11/17/15
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	-	11/18/15 13:07	30,2540G	RI



Project Name: 15 LA RIVIERE DR AND WILKESON
Project Number: 0136-013-007

Lab Number: L1530137
Report Date: 11/25/15

SAMPLE RESULTS

Lab ID: L1530137-07
Client ID: BCP-MW-7 (4-6)
Sample Location: BUFFALO, NY
Matrix: Soil

Date Collected: 11/16/15 14:09
Date Received: 11/17/15
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	79.7		%	0.100	NA	1	-	11/18/15 13:07	30,2540G	RI



Project Name: 15 LA RIVIERE DR AND WILKESON
Project Number: 0136-013-007

Lab Number: L1530137
Report Date: 11/25/15

SAMPLE RESULTS

Lab ID: L1530137-08
Client ID: BCP-MW-8 (8-12)
Sample Location: BUFFALO, NY
Matrix: Soil

Date Collected: 11/16/15 15:10
Date Received: 11/17/15
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	88.3		%	0.100	NA	1	-	11/18/15 13:07	30,2540G	RI



Project Name: 15 LA RIVIERE DR AND WILKESON
Project Number: 0136-013-007

Lab Number: L1530137
Report Date: 11/25/15

SAMPLE RESULTS

Lab ID: L1530137-09
Client ID: SS-3 (0-0.5)
Sample Location: BUFFALO, NY
Matrix: Soil

Date Collected: 11/17/15 09:51
Date Received: 11/17/15
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	78.9		%	0.100	NA	1	-	11/18/15 13:07	30,2540G	RI



Project Name: 15 LA RIVIERE DR AND WILKESON
Project Number: 0136-013-007

Lab Number: L1530137
Report Date: 11/25/15

SAMPLE RESULTS

Lab ID: L1530137-10
Client ID: SS-2 (0-0.5)
Sample Location: BUFFALO, NY
Matrix: Soil

Date Collected: 11/17/15 09:58
Date Received: 11/17/15
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	68.1		%	0.100	NA	1	-	11/18/15 13:07	30,2540G	RI



Project Name: 15 LA RIVIERE DR AND WILKESON**Project Number:** 0136-013-007**Lab Duplicate Analysis****Batch Quality Control****Lab Number:** L1530137**Report Date:** 11/25/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG841909-1 QC Sample: L1530217-02 Client ID: DUP Sample						
Solids, Total	76.8	76.2	%	1		20

Project Name: 15 LA RIVIERE DR AND WILKESON

Project Number: 0136-013-007

Lab Number: L1530137

Report Date: 11/25/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 18-NOV-15 03:53

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1530137-01A	Glass 250ml/8oz unpreserved	A	N/A	5.6	Y	Absent	BE-TI(180),NYTCL-8270(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)
L1530137-02A	Glass 500ml/16oz unpreserved	A	N/A	5.6	Y	Absent	BE-TI(180),NYTCL-8270(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)
L1530137-03A	Glass 500ml/16oz unpreserved	A	N/A	5.6	Y	Absent	BE-TI(180),NYTCL-8270(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)
L1530137-04A	5 gram Encore Sampler	A	N/A	5.6	Y	Absent	NYTCL-8260HLW(2)
L1530137-04B	5 gram Encore Sampler	A	N/A	5.6	Y	Absent	NYTCL-8260HLW(2)

*Values in parentheses indicate holding time in days



Project Name: 15 LA RIVIERE DR AND WILKESON

Project Number: 0136-013-007

Lab Number: L1530137

Report Date: 11/25/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1530137-04C	5 gram Encore Sampler	A	N/A	5.6	Y	Absent	NYTCL-8260HLW(2)
L1530137-04D	Glass 500ml/16oz unpreserved	A	N/A	5.6	Y	Absent	BE-TI(180),NYTCL-8270(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)
L1530137-04X	Vial MeOH preserved split	A	N/A	5.6	Y	Absent	NYTCL-8260HLW(14)
L1530137-04Y	Vial Water preserved split	A	N/A	5.6	Y	Absent	NYTCL-8260HLW(14)
L1530137-04Z	Vial Water preserved split	A	N/A	5.6	Y	Absent	NYTCL-8260HLW(14)
L1530137-05A	5 gram Encore Sampler	A	N/A	5.6	Y	Absent	NYTCL-8260HLW(2)
L1530137-05B	5 gram Encore Sampler	A	N/A	5.6	Y	Absent	NYTCL-8260HLW(2)
L1530137-05C	5 gram Encore Sampler	A	N/A	5.6	Y	Absent	NYTCL-8260HLW(2)
L1530137-05D	Glass 500ml/16oz unpreserved	A	N/A	5.6	Y	Absent	BE-TI(180),NYTCL-8270(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)
L1530137-05X	Vial MeOH preserved split	A	N/A	5.6	Y	Absent	NYTCL-8260HLW(14)
L1530137-05Y	Vial Water preserved split	A	N/A	5.6	Y	Absent	NYTCL-8260HLW(14)
L1530137-05Z	Vial Water preserved split	A	N/A	5.6	Y	Absent	NYTCL-8260HLW(14)
L1530137-06A	Glass 250ml/8oz unpreserved	A	N/A	5.6	Y	Absent	BE-TI(180),NYTCL-8270(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: 15 LA RIVIERE DR AND WILKESON

Project Number: 0136-013-007

Lab Number: L1530137

Report Date: 11/25/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1530137-07A	Glass 500ml/16oz unpreserved	A	N/A	5.6	Y	Absent	BE-Ti(180),NYTCL-8270(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)
L1530137-08A	Glass 500ml/16oz unpreserved	A	N/A	5.6	Y	Absent	BE-Ti(180),NYTCL-8270(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)
L1530137-09A	Glass 500ml/16oz unpreserved	A	N/A	5.6	Y	Absent	BE-Ti(180),NYTCL-8270(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)
L1530137-10A	Glass 500ml/16oz unpreserved	A	N/A	5.6	Y	Absent	BE-Ti(180),NYTCL-8270(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: 15 LA RIVIERE DR AND WILKESON
Project Number: 0136-013-007

Lab Number: L1530137
Report Date: 11/25/15

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.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

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

Terms

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).

Report Format: DU Report with 'J' Qualifiers



Project Name: 15 LA RIVIERE DR AND WILKESON
Project Number: 0136-013-007

Lab Number: L1530137
Report Date: 11/25/15

Data Qualifiers

- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: 15 LA RIVIERE DR AND WILKESON
Project Number: 0136-013-007

Lab Number: L1530137
Report Date: 11/25/15

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

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

Westborough Facility

EPA 8260C: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; Iodomethane (methyl iodide) (soil); Methyl methacrylate (soil); Azobenzene.

EPA 8270D: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 625: 4-Chloroaniline, 4-Methylphenol.

SM4500: Soil: Total Phosphorus, TKN, NO₂, NO₃.

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, SM4500CI-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.**

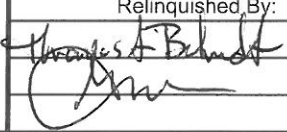
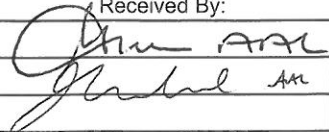
EPA 624: Volatile Halocarbons & Aromatics,

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 Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		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 11/18/15		ALPHA Job # L1530137																																																																																																																																																																																	
Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288		Project Information Project Name: 15 LaRiviera & 20 Wilkeson Way Project Location: Buffalo NY Project # 0136-013-007 (Use Project name as Project #) ☐ Project Manager: Nate Manley ALPHAQuote #: Turn-Around Time Standard ☒ Due Date: Rush (only if pre approved) ☐ # of Days:				Deliverables ☐ ASP-A ☐ ASP-B ☐ EQUIS (1 File) ☐ EQUIS (4 File) ☐ Other		Billing Information ☐ Same as Client Info PO #																																																																																																																																																																																	
		Client Information Client: Turnkey Environmental Address: 2558 Hamburg Turnpike Suite 300 Lockport NY 14218 Phone: (716) 818-8358 Fax: (716) 856-0635 Email: Tturnkey@turnkeyenv.com				Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other:																																																																																																																																																																																	
These samples have been previously analyzed by Alpha ☐ Other project specific requirements/comments: CATTB Please specify Metals or TAL.						ANALYSIS TCL+TCP-5W VOL 8/260 <table border="1" style="width:100%; border-collapse: collapse; text-align: center;"> <tr> <th>TCL SVOL</th> <th>TAL METALS</th> <th>PCBS</th> <th>PEST</th> <th>Herb</th> </tr> <tr><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td></tr> <tr><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td></tr> <tr><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td></tr> <tr><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td></tr> <tr><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td></tr> <tr><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td></tr> <tr><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td></tr> <tr><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td></tr> <tr><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td></tr> </table>		TCL SVOL	TAL METALS	PCBS	PEST	Herb	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Sample Filtration ☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below)																																																																																																																															
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ANALYTICAL REPORT

Lab Number:	L1530234
Client:	Turnkey Environmental Restoration, LLC 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Nate Munley
Phone:	(716) 856-0599
Project Name:	15 LARIVIERE & 20 WILKINSON
Project Number:	0136-013-007
Report Date:	11/30/15

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), 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: 15 LARIVIERE & 20 WILKINSON

Project Number: 0136-013-007

Lab Number: L1530234

Report Date: 11/30/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1530234-01	BCP-MW-5(6-8)	SOIL	BUFFALO, NY	11/17/15 13:07	11/18/15
L1530234-02	SS-1	SOIL	BUFFALO, NY	11/17/15 08:45	11/18/15
L1530234-03	SS-4	SOIL	BUFFALO, NY	11/17/15 15:45	11/18/15
L1530234-04	SS-5	SOIL	BUFFALO, NY	11/17/15 15:48	11/18/15
L1530234-05	SS-6	SOIL	BUFFALO, NY	11/17/15 15:34	11/18/15
L1530234-06	BLIND DUP #2	SOIL	BUFFALO, NY	11/17/15 12:00	11/18/15
L1530234-07	SS-7	SOIL	BUFFALO, NY	11/17/15 15:25	11/18/15
L1530234-08	SS-8	SOIL	BUFFALO, NY	11/17/15 15:35	11/18/15
L1530234-09	SS-9	SOIL	BUFFALO, NY	11/17/15 15:52	11/18/15

Project Name: 15 LARIVIERE & 20 WILKINSON
Project Number: 0136-013-007

Lab Number: L1530234
Report Date: 11/30/15

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. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

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

HOLD POLICY

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

Please contact Client Services at 800-624-9220 with any questions.

Project Name: 15 LARIVIERE & 20 WILKINSON
Project Number: 0136-013-007

Lab Number: L1530234
Report Date: 11/30/15

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 WG844387-5 MSD recovery, performed on L1530234-01, is outside the acceptance criteria for acetone (0%). The unacceptable percent recoveries are attributed to the elevated concentrations of target compounds present in the native sample.

Metals

L1530234-01 through -09: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG842529-3/-4 MS/MSD recoveries for aluminum (400%/450%), calcium (0%/0%), iron (1140%/1120%), and magnesium (0%/22%), performed on L1530234-01, do not apply because the sample concentrations are greater than four times the spike amounts added. In addition, the MS/MSD RPDs for calcium (22%) and magnesium (23%) are above the acceptance criteria.

The WG842529-4 MSD recovery, performed on L1530234-01, is outside the acceptance criteria for manganese (158%). A post digestion spike was performed and yielded an unacceptable recovery of 70%. This has been attributed to sample matrix.

The WG843078-3/-4 MS/MSD recoveries, performed on L1530234-01, are outside the acceptance criteria for mercury (187%/139%). A post digestion spike was performed and was within acceptance criteria. In addition, the MS/MSD RPD for mercury (33%), is above the acceptance criteria.

The WG843078-6 MSD recovery, performed on L1530234-07, is outside the acceptance criteria for mercury (121%). A post digestion spike was performed and was within acceptance criteria.

The WG843142-3/-4 MS/MSD recoveries for aluminum (800%/230%), calcium (141%/965%), iron (941%/0%), and manganese (0%/0%), performed on L1530234-07, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG843142-3/-4 MS/MSD recoveries, performed on L1530234-07, are outside the acceptance criteria for

Project Name: 15 LARIVIERE & 20 WILKINSON
Project Number: 0136-013-007

Lab Number: L1530234
Report Date: 11/30/15

Case Narrative (continued)

antimony (73%/72%), magnesium (132%/515%), and thallium (MSD 70%). A post digestion spike was performed and was within acceptance criteria.

The WG843142-3/-4 MS/MSD RPDs, performed on L1530234-07, are above the acceptance criteria for calcium (62%) and magnesium (55%).

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: 11/30/15

ORGANICS

VOLATILES

Project Name: 15 LARIVIERE & 20 WILKINSON**Lab Number:** L1530234**Project Number:** 0136-013-007**Report Date:** 11/30/15**SAMPLE RESULTS**

Lab ID: L1530234-01
Client ID: BCP-MW-5(6-8)
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/24/15 17:35
Analyst: MV
Percent Solids: 89%

Date Collected: 11/17/15 13:07
Date Received: 11/18/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	18	1.9	1
1,1-Dichloroethane	ND		ug/kg	2.6	0.15	1
Chloroform	ND		ug/kg	2.6	0.65	1
Carbon tetrachloride	ND		ug/kg	1.8	0.37	1
1,2-Dichloropropane	ND		ug/kg	6.2	0.40	1
Dibromochloromethane	ND		ug/kg	1.8	0.27	1
1,1,2-Trichloroethane	ND		ug/kg	2.6	0.53	1
Tetrachloroethene	ND		ug/kg	1.8	0.25	1
Chlorobenzene	ND		ug/kg	1.8	0.61	1
Trichlorofluoromethane	ND		ug/kg	8.8	0.68	1
1,2-Dichloroethane	ND		ug/kg	1.8	0.20	1
1,1,1-Trichloroethane	ND		ug/kg	1.8	0.19	1
Bromodichloromethane	ND		ug/kg	1.8	0.30	1
trans-1,3-Dichloropropene	ND		ug/kg	1.8	0.21	1
cis-1,3-Dichloropropene	ND		ug/kg	1.8	0.21	1
Bromoform	ND		ug/kg	7.0	0.42	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.8	0.18	1
Benzene	0.60	J	ug/kg	1.8	0.21	1
Toluene	1.4	J	ug/kg	2.6	0.34	1
Ethylbenzene	ND		ug/kg	1.8	0.22	1
Chloromethane	ND		ug/kg	8.8	0.52	1
Bromomethane	ND		ug/kg	3.5	0.59	1
Vinyl chloride	ND		ug/kg	3.5	0.21	1
Chloroethane	ND		ug/kg	3.5	0.56	1
1,1-Dichloroethene	ND		ug/kg	1.8	0.46	1
trans-1,2-Dichloroethene	ND		ug/kg	2.6	0.37	1
Trichloroethene	ND		ug/kg	1.8	0.22	1
1,2-Dichlorobenzene	ND		ug/kg	8.8	0.27	1
1,3-Dichlorobenzene	ND		ug/kg	8.8	0.24	1
1,4-Dichlorobenzene	ND		ug/kg	8.8	0.24	1

Project Name: 15 LARIVIERE & 20 WILKINSON

Lab Number: L1530234

Project Number: 0136-013-007

Report Date: 11/30/15

SAMPLE RESULTS

Lab ID: L1530234-01

Date Collected: 11/17/15 13:07

Client ID: BCP-MW-5(6-8)

Date Received: 11/18/15

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	3.5	0.15	1
p/m-Xylene	ND		ug/kg	3.5	0.35	1
o-Xylene	ND		ug/kg	3.5	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.8	0.25	1
Styrene	ND		ug/kg	3.5	0.71	1
Dichlorodifluoromethane	ND		ug/kg	18	0.34	1
Acetone	70		ug/kg	18	1.8	1
Carbon disulfide	ND		ug/kg	18	1.9	1
2-Butanone	9.3	J	ug/kg	18	0.48	1
4-Methyl-2-pentanone	ND		ug/kg	18	0.43	1
2-Hexanone	ND		ug/kg	18	1.2	1
Bromochloromethane	ND		ug/kg	8.8	0.48	1
1,2-Dibromoethane	ND		ug/kg	7.0	0.31	1
n-Butylbenzene	ND		ug/kg	1.8	0.20	1
sec-Butylbenzene	ND		ug/kg	1.8	0.21	1
tert-Butylbenzene	ND		ug/kg	8.8	0.24	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	8.8	0.70	1
Isopropylbenzene	ND		ug/kg	1.8	0.18	1
p-Isopropyltoluene	ND		ug/kg	1.8	0.22	1
n-Propylbenzene	ND		ug/kg	1.8	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	8.8	0.26	1
1,2,4-Trichlorobenzene	ND		ug/kg	8.8	0.32	1
1,3,5-Trimethylbenzene	ND		ug/kg	8.8	0.25	1
1,2,4-Trimethylbenzene	ND		ug/kg	8.8	0.25	1
Methyl Acetate	ND		ug/kg	35	0.48	1
Cyclohexane	ND		ug/kg	35	0.26	1
1,4-Dioxane	ND		ug/kg	180	25.	1
Freon-113	ND		ug/kg	35	0.48	1
Methyl cyclohexane	ND		ug/kg	7.0	0.27	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	105		70-130

Project Name: 15 LARIVIERE & 20 WILKINSON

Lab Number: L1530234

Project Number: 0136-013-007

Report Date: 11/30/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/24/15 09:30
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG844387-3					
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	ND		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: 15 LARIVIERE & 20 WILKINSON

Lab Number: L1530234

Project Number: 0136-013-007

Report Date: 11/30/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/24/15 09:30
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG844387-3					
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	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		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
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.
Freon-113	ND		ug/kg	20	0.27

Project Name: 15 LARIVIERE & 20 WILKINSON

Lab Number: L1530234

Project Number: 0136-013-007

Report Date: 11/30/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/24/15 09:30

Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG844387-3					
Methyl cyclohexane	ND		ug/kg	4.0	0.15

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	104		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 15 LARIVIERE & 20 WILKINSON
Project Number: 0136-013-007

Lab Number: L1530234
Report Date: 11/30/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG844387-1 WG844387-2								
Methylene chloride	103		107		70-130	4		30
1,1-Dichloroethane	104		106		70-130	2		30
Chloroform	109		112		70-130	3		30
Carbon tetrachloride	115		114		70-130	1		30
1,2-Dichloropropane	102		104		70-130	2		30
Dibromochloromethane	104		107		70-130	3		30
2-Chloroethylvinyl ether	100		102		70-130	2		30
1,1,2-Trichloroethane	100		104		70-130	4		30
Tetrachloroethene	107		110		70-130	3		30
Chlorobenzene	102		104		70-130	2		30
Trichlorofluoromethane	114		114		70-139	0		30
1,2-Dichloroethane	112		112		70-130	0		30
1,1,1-Trichloroethane	113		116		70-130	3		30
Bromodichloromethane	110		112		70-130	2		30
trans-1,3-Dichloropropene	103		107		70-130	4		30
cis-1,3-Dichloropropene	108		112		70-130	4		30
1,1-Dichloropropene	107		107		70-130	0		30
Bromoform	104		107		70-130	3		30
1,1,2,2-Tetrachloroethane	96		100		70-130	4		30
Benzene	106		107		70-130	1		30
Toluene	98		100		70-130	2		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 15 LARIVIERE & 20 WILKINSON

Project Number: 0136-013-007

Lab Number: L1530234

Report Date: 11/30/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG844387-1 WG844387-2								
Ethylbenzene	103		103		70-130	0		30
Chloromethane	100		101		52-130	1		30
Bromomethane	120		127		57-147	6		30
Vinyl chloride	112		111		67-130	1		30
Chloroethane	122		124		50-151	2		30
1,1-Dichloroethene	106		108		65-135	2		30
trans-1,2-Dichloroethene	105		107		70-130	2		30
Trichloroethene	110		111		70-130	1		30
1,2-Dichlorobenzene	100		103		70-130	3		30
1,3-Dichlorobenzene	102		105		70-130	3		30
1,4-Dichlorobenzene	101		103		70-130	2		30
Methyl tert butyl ether	106		110		66-130	4		30
p/m-Xylene	106		107		70-130	1		30
o-Xylene	107		108		70-130	1		30
cis-1,2-Dichloroethene	108		108		70-130	0		30
Dibromomethane	110		111		70-130	1		30
Styrene	108		108		70-130	0		30
Dichlorodifluoromethane	118		120		30-146	2		30
Acetone	108		107		54-140	1		30
Carbon disulfide	99		100		59-130	1		30
2-Butanone	111		110		70-130	1		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 15 LARIVIERE & 20 WILKINSON

Project Number: 0136-013-007

Lab Number: L1530234

Report Date: 11/30/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG844387-1 WG844387-2								
Vinyl acetate	109		112		70-130	3		30
4-Methyl-2-pentanone	101		100		70-130	1		30
1,2,3-Trichloropropane	96		99		68-130	3		30
2-Hexanone	97		97		70-130	0		30
Bromochloromethane	114		118		70-130	3		30
2,2-Dichloropropane	116		117		70-130	1		30
1,2-Dibromoethane	103		107		70-130	4		30
1,3-Dichloropropane	99		104		69-130	5		30
1,1,1,2-Tetrachloroethane	105		106		70-130	1		30
Bromobenzene	100		103		70-130	3		30
n-Butylbenzene	101		102		70-130	1		30
sec-Butylbenzene	102		103		70-130	1		30
tert-Butylbenzene	103		104		70-130	1		30
o-Chlorotoluene	100		104		70-130	4		30
p-Chlorotoluene	100		104		70-130	4		30
1,2-Dibromo-3-chloropropane	97		100		68-130	3		30
Hexachlorobutadiene	104		101		67-130	3		30
Isopropylbenzene	100		102		70-130	2		30
p-Isopropyltoluene	104		105		70-130	1		30
Naphthalene	99		101		70-130	2		30
Acrylonitrile	109		109		70-130	0		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 15 LARIVIERE & 20 WILKINSON

Project Number: 0136-013-007

Lab Number: L1530234

Report Date: 11/30/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG844387-1 WG844387-2								
Isopropyl Ether	100		104		66-130	4		30
tert-Butyl Alcohol	105		107		70-130	2		30
n-Propylbenzene	98		100		70-130	2		30
1,2,3-Trichlorobenzene	102		103		70-130	1		30
1,2,4-Trichlorobenzene	102		103		70-130	1		30
1,3,5-Trimethylbenzene	103		105		70-130	2		30
1,2,4-Trimethylbenzene	103		105		70-130	2		30
Methyl Acetate	101		105		51-146	4		30
Ethyl Acetate	108		107		70-130	1		30
Acrolein	102		104		70-130	2		30
Cyclohexane	104		102		59-142	2		30
1,4-Dioxane	98		96		65-136	2		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	109		110		50-139	1		30
p-Diethylbenzene	102		103		70-130	1		30
p-Ethyltoluene	101		103		70-130	2		30
1,2,4,5-Tetramethylbenzene	102		104		70-130	2		30
Tetrahydrofuran	109		110		66-130	1		30
Ethyl ether	108		108		67-130	0		30
trans-1,4-Dichloro-2-butene	105		106		70-130	1		30
Methyl cyclohexane	107		107		70-130	0		30
Ethyl-Tert-Butyl-Ether	105		109		70-130	4		30

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 15 LARIVIERE & 20 WILKINSON**Lab Number:** L1530234**Project Number:** 0136-013-007**Report Date:** 11/30/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG844387-1 WG844387-2								
Tertiary-Amyl Methyl Ether	107		109		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	106		103		70-130
Toluene-d8	94		97		70-130
4-Bromofluorobenzene	95		98		70-130
Dibromofluoromethane	103		102		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKINSON
Project Number: 0136-013-007

Lab Number: L1530234
Report Date: 11/30/15

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): 01 QC Batch ID: WG844387-4 WG844387-5 QC Sample: L1530234-01 Client ID: BCP-MW-5(6-8)												
Methylene chloride	ND	80.4	82	102		17	85		70-130	131	Q	30
1,1-Dichloroethane	ND	80.4	82	102		18	92		70-130	127	Q	30
Chloroform	ND	80.4	83	103		18	89		70-130	129	Q	30
Carbon tetrachloride	ND	80.4	93	116		22	110		70-130	123	Q	30
1,2-Dichloropropane	ND	80.4	74	92		16	77		70-130	131	Q	30
Dibromochloromethane	ND	80.4	68	84		12	60	Q	70-130	140	Q	30
2-Chloroethylvinyl ether	ND	80.4	75J	94		14.J	67	Q	70-130	139	Q	30
1,1,2-Trichloroethane	ND	80.4	69	86		14	68	Q	70-130	134	Q	30
Tetrachloroethene	ND	80.4	64	80		14	72		70-130	127	Q	30
Chlorobenzene	ND	80.4	55	68	Q	10	50	Q	70-130	138	Q	30
Trichlorofluoromethane	ND	80.4	100	129		26	130		70-139	120	Q	30
1,2-Dichloroethane	ND	80.4	83	104		17	82		70-130	134	Q	30
1,1,1-Trichloroethane	ND	80.4	91	113		22	108		70-130	123	Q	30
Bromodichloromethane	ND	80.4	77	96		15	74		70-130	136	Q	30
trans-1,3-Dichloropropene	ND	80.4	62	77		10	50	Q	70-130	145	Q	30
cis-1,3-Dichloropropene	ND	80.4	70	87		12	60	Q	70-130	141	Q	30
1,1-Dichloropropene	ND	80.4	80	100		19	94		70-130	124	Q	30
Bromoform	ND	80.4	62	77		11	52	Q	70-130	142	Q	30
1,1,2,2-Tetrachloroethane	ND	80.4	56	69	Q	11	53	Q	70-130	136	Q	30
Benzene	0.60J	80.4	78	97		18	88		70-130	126	Q	30
Toluene	1.4J	80.4	69	86		14	69	Q	70-130	133	Q	30

Matrix Spike Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKINSON

Project Number: 0136-013-007

Lab Number: L1530234

Report Date: 11/30/15

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): 01 QC Batch ID: WG844387-4 WG844387-5 QC Sample: L1530234-01 Client ID: BCP-MW-5(6-8)												
Ethylbenzene	ND	80.4	54	67	Q	11	54	Q	70-130	133	Q	30
Chloromethane	ND	80.4	83	103		20	100		52-130	122	Q	30
Bromomethane	ND	80.4	97	121		18	91		57-147	137	Q	30
Vinyl chloride	ND	80.4	95	118		20	98		67-130	132	Q	30
Chloroethane	ND	80.4	74	92		18	88		50-151	122	Q	30
1,1-Dichloroethene	ND	80.4	90	112		22	110		65-135	121	Q	30
trans-1,2-Dichloroethene	ND	80.4	80	99		18	90		70-130	126	Q	30
Trichloroethene	ND	80.4	77	96		17	82		70-130	129	Q	30
1,2-Dichlorobenzene	ND	80.4	33	42	Q	5.2	26	Q	70-130	146	Q	30
1,3-Dichlorobenzene	ND	80.4	33	41	Q	5.4	27	Q	70-130	144	Q	30
1,4-Dichlorobenzene	ND	80.4	32	40	Q	5.1	25	Q	70-130	145	Q	30
Methyl tert butyl ether	ND	80.4	84	104		18	90		66-130	129	Q	30
p/m-Xylene	ND	161	110	66	Q	21	52	Q	70-130	134	Q	30
o-Xylene	ND	161	110	66	Q	20	51	Q	70-130	136	Q	30
cis-1,2-Dichloroethene	ND	80.4	80	99		17	82		70-130	131	Q	30
Dibromomethane	ND	80.4	77	96		15	72		70-130	137	Q	30
Styrene	ND	161	97	60	Q	16	40	Q	70-130	143	Q	30
Dichlorodifluoromethane	ND	80.4	76	95		19	93		30-146	121	Q	30
Acetone	70	80.4	140	90		55	0	Q	54-140	89	Q	30
Carbon disulfide	ND	80.4	78	96		18	91		59-130	124	Q	30
2-Butanone	9.3J	80.4	85	106		23	114		70-130	115	Q	30

Matrix Spike Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKINSON
Project Number: 0136-013-007

Lab Number: L1530234
Report Date: 11/30/15

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): 01 QC Batch ID: WG844387-4 WG844387-5 QC Sample: L1530234-01 Client ID: BCP-MW-5(6-8)												
Vinyl acetate	ND	80.4	40	50	Q	6.9J	34	Q	70-130	142	Q	30
4-Methyl-2-pentanone	ND	80.4	73	91		15	73		70-130	134	Q	30
1,2,3-Trichloropropane	ND	80.4	61	76		11	56	Q	68-130	138	Q	30
2-Hexanone	ND	80.4	70	87		13	64	Q	70-130	138	Q	30
Bromochloromethane	ND	80.4	87	108		17	86		70-130	134	Q	30
2,2-Dichloropropane	ND	80.4	91	114		22	109		70-130	122	Q	30
1,2-Dibromoethane	ND	80.4	66	82		12	57	Q	70-130	141	Q	30
1,3-Dichloropropane	ND	80.4	67	83		13	63	Q	69-130	136	Q	30
1,1,1,2-Tetrachloroethane	ND	80.4	65	81		13	64	Q	70-130	134	Q	30
Bromobenzene	ND	80.4	44	55	Q	7.3	36	Q	70-130	143	Q	30
n-Butylbenzene	ND	80.4	31	38	Q	6.0	30	Q	70-130	135	Q	30
sec-Butylbenzene	ND	80.4	42	53	Q	8.7	43	Q	70-130	132	Q	30
tert-Butylbenzene	ND	80.4	47	58	Q	9.5	47	Q	70-130	133	Q	30
o-Chlorotoluene	ND	80.4	42	53	Q	7.9	39	Q	70-130	137	Q	30
p-Chlorotoluene	ND	80.4	37	46	Q	6.4	32	Q	70-130	141	Q	30
1,2-Dibromo-3-chloropropane	ND	80.4	52	64	Q	8.9	44	Q	68-130	141	Q	30
Hexachlorobutadiene	ND	80.4	29	36	Q	5.9	29	Q	67-130	132	Q	30
Isopropylbenzene	ND	80.4	49	61	Q	10	51	Q	70-130	131	Q	30
p-Isopropyltoluene	ND	80.4	37	46	Q	7.1	36	Q	70-130	136	Q	30
Naphthalene	1.7J	80.4	32	39	Q	7.4	37	Q	70-130	124	Q	30
Acrylonitrile	ND	80.4	81	101		16	81		70-130	133	Q	30

Matrix Spike Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKINSON

Project Number: 0136-013-007

Lab Number: L1530234

Report Date: 11/30/15

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): 01 QC Batch ID: WG844387-4 WG844387-5 QC Sample: L1530234-01 Client ID: BCP-MW-5(6-8)												
Isopropyl Ether	ND	80.4	76	94		16	82		66-130	129	Q	30
tert-Butyl Alcohol	ND	402	430	106		97	96		70-130	126	Q	30
n-Propylbenzene	ND	80.4	41	52	Q	8.3	41	Q	70-130	133	Q	30
1,2,3-Trichlorobenzene	ND	80.4	17J	21	Q	3.0J	15	Q	70-130	140	Q	30
1,2,4-Trichlorobenzene	ND	80.4	17J	21	Q	2.9J	14	Q	70-130	140	Q	30
1,3,5-Trimethylbenzene	ND	80.4	42	53	Q	8.1	40	Q	70-130	136	Q	30
1,2,4-Trimethylbenzene	ND	80.4	39	48	Q	7.0	35	Q	70-130	139	Q	30
Methyl Acetate	ND	80.4	91	112		22	107		51-146	123	Q	30
Ethyl Acetate	ND	80.4	80J	99		15.J	74		70-130	137	Q	30
Acrolein	ND	80.4	ND	0	Q	ND	0	Q	70-130	NC		30
Cyclohexane	ND	80.4	87	108		22	110		59-142	119	Q	30
1,4-Dioxane	ND	4020	4200	105		1100	105		65-136	120	Q	30
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	80.4	100	124		26	127		50-139	118	Q	30
p-Diethylbenzene	ND	80.4	30	37	Q	5.6	28	Q	70-130	137	Q	30
p-Ethyltoluene	ND	80.4	40	50	Q	7.7	38	Q	70-130	136	Q	30
1,2,4,5-Tetramethylbenzene	ND	80.4	25	31	Q	4.3	21	Q	70-130	141	Q	30
Tetrahydrofuran	ND	80.4	85	106		18.J	87		66-130	132	Q	30
Ethyl ether	ND	80.4	82	102		18	88		67-130	129	Q	30
trans-1,4-Dichloro-2-butene	ND	80.4	51	63	Q	7.6	38	Q	70-130	147	Q	30
Methyl cyclohexane	ND	80.4	89	110		23	113		70-130	118	Q	30
Ethyl-Tert-Butyl-Ether	ND	80.4	80	100		17	86		70-130	129	Q	30

Matrix Spike Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKINSON
Project Number: 0136-013-007

Lab Number: L1530234
Report Date: 11/30/15

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 QC Batch ID: WG844387-4 WG844387-5 QC Sample: L1530234-01 Client ID: BCP-MW-5(6-8)												
Tertiary-Amyl Methyl Ether	ND	80.4	82	101		17	86		70-130	130	Q	30

<i>Surrogate</i>	<i>MS % Recovery</i>	<i>Qualifier</i>	<i>MSD % Recovery</i>	<i>Qualifier</i>	<i>Acceptance Criteria</i>
1,2-Dichloroethane-d4	105		108		70-130
4-Bromofluorobenzene	97		100		70-130
Dibromofluoromethane	102		104		70-130
Toluene-d8	96		96		70-130

SEMIVOLATILES

Project Name: 15 LARIVIERE & 20 WILKINSON**Lab Number:** L1530234**Project Number:** 0136-013-007**Report Date:** 11/30/15**SAMPLE RESULTS**

Lab ID: L1530234-01
Client ID: BCP-MW-5(6-8)
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/26/15 00:17
Analyst: HL
Percent Solids: 89%

Date Collected: 11/17/15 13:07
Date Received: 11/18/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/25/15 03:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	56	J	ug/kg	150	38.	1
Hexachlorobenzene	ND		ug/kg	110	34.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	52.	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	430		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	34.	1
Isophorone	ND		ug/kg	170	49.	1
Naphthalene	ND		ug/kg	180	61.	1
Nitrobenzene	ND		ug/kg	170	44.	1
NDPA/DPA	ND		ug/kg	150	39.	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	36.	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	190		ug/kg	110	36.	1
Benzo(a)pyrene	180		ug/kg	150	45.	1
Benzo(b)fluoranthene	210		ug/kg	110	37.	1
Benzo(k)fluoranthene	72	J	ug/kg	110	35.	1

Project Name: 15 LARIVIERE & 20 WILKINSON

Lab Number: L1530234

Project Number: 0136-013-007

Report Date: 11/30/15

SAMPLE RESULTS

Lab ID: L1530234-01

Date Collected: 11/17/15 13:07

Client ID: BCP-MW-5(6-8)

Date Received: 11/18/15

Sample Location: BUFFALO, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	150		ug/kg	110	36.	1
Acenaphthylene	ND		ug/kg	150	34.	1
Anthracene	110		ug/kg	110	31.	1
Benzo(ghi)perylene	98	J	ug/kg	150	38.	1
Fluorene	56	J	ug/kg	180	53.	1
Phenanthrene	330		ug/kg	110	36.	1
Dibenzo(a,h)anthracene	59	J	ug/kg	110	36.	1
Indeno(1,2,3-cd)pyrene	180		ug/kg	150	41.	1
Pyrene	310		ug/kg	110	36.	1
Biphenyl	ND		ug/kg	420	61.	1
4-Chloroaniline	ND		ug/kg	180	49.	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	62.	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	54.	1
2-Chlorophenol	ND		ug/kg	180	56.	1
2,4-Dichlorophenol	ND		ug/kg	170	60.	1
2,4-Dimethylphenol	ND		ug/kg	180	55.	1
2-Nitrophenol	ND		ug/kg	400	58.	1
4-Nitrophenol	ND		ug/kg	260	60.	1
2,4-Dinitrophenol	ND		ug/kg	880	250	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	68.	1
Pentachlorophenol	ND		ug/kg	150	39.	1
Phenol	ND		ug/kg	180	55.	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	60.	1
Carbazole	52	J	ug/kg	180	40.	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: 15 LARIVIERE & 20 WILKINSON**Lab Number:** L1530234**Project Number:** 0136-013-007**Report Date:** 11/30/15**SAMPLE RESULTS****Lab ID:** L1530234-01**Date Collected:** 11/17/15 13:07**Client ID:** BCP-MW-5(6-8)**Date Received:** 11/18/15**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	40		25-120
Phenol-d6	43		10-120
Nitrobenzene-d5	52		23-120
2-Fluorobiphenyl	50		30-120
2,4,6-Tribromophenol	48		10-136
4-Terphenyl-d14	50		18-120

Project Name: 15 LARIVIERE & 20 WILKINSON**Lab Number:** L1530234**Project Number:** 0136-013-007**Report Date:** 11/30/15**SAMPLE RESULTS**

Lab ID: L1530234-02
Client ID: SS-1
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/26/15 00:45
Analyst: HL
Percent Solids: 73%

Date Collected: 11/17/15 08:45
Date Received: 11/18/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/25/15 03:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	180	47.	1
Hexachlorobenzene	ND		ug/kg	140	42.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	63.	1
2-Chloronaphthalene	ND		ug/kg	230	74.	1
3,3'-Dichlorobenzidine	ND		ug/kg	230	60.	1
2,4-Dinitrotoluene	ND		ug/kg	230	49.	1
2,6-Dinitrotoluene	ND		ug/kg	230	58.	1
Fluoranthene	1300		ug/kg	140	42.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	230	69.	1
4-Bromophenyl phenyl ether	ND		ug/kg	230	52.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	270	80.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	240	68.	1
Hexachlorobutadiene	ND		ug/kg	230	64.	1
Hexachlorocyclopentadiene	ND		ug/kg	650	140	1
Hexachloroethane	ND		ug/kg	180	41.	1
Isophorone	ND		ug/kg	200	60.	1
Naphthalene	ND		ug/kg	230	75.	1
Nitrobenzene	ND		ug/kg	200	54.	1
NDPA/DPA	ND		ug/kg	180	48.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	230	67.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	230	59.	1
Butyl benzyl phthalate	ND		ug/kg	230	44.	1
Di-n-butylphthalate	ND		ug/kg	230	44.	1
Di-n-octylphthalate	ND		ug/kg	230	56.	1
Diethyl phthalate	ND		ug/kg	230	48.	1
Dimethyl phthalate	ND		ug/kg	230	57.	1
Benzo(a)anthracene	540		ug/kg	140	44.	1
Benzo(a)pyrene	660		ug/kg	180	55.	1
Benzo(b)fluoranthene	920		ug/kg	140	46.	1
Benzo(k)fluoranthene	370		ug/kg	140	43.	1

Project Name: 15 LARIVIERE & 20 WILKINSON

Lab Number: L1530234

Project Number: 0136-013-007

Report Date: 11/30/15

SAMPLE RESULTS

Lab ID: L1530234-02

Date Collected: 11/17/15 08:45

Client ID: SS-1

Date Received: 11/18/15

Sample Location: BUFFALO, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	630		ug/kg	140	44.	1
Acenaphthylene	ND		ug/kg	180	42.	1
Anthracene	95	J	ug/kg	140	38.	1
Benzo(ghi)perylene	580		ug/kg	180	47.	1
Fluorene	ND		ug/kg	230	65.	1
Phenanthrene	530		ug/kg	140	44.	1
Dibenzo(a,h)anthracene	140		ug/kg	140	44.	1
Indeno(1,2,3-cd)pyrene	650		ug/kg	180	50.	1
Pyrene	970		ug/kg	140	44.	1
Biphenyl	ND		ug/kg	520	75.	1
4-Chloroaniline	ND		ug/kg	230	60.	1
2-Nitroaniline	ND		ug/kg	230	64.	1
3-Nitroaniline	ND		ug/kg	230	62.	1
4-Nitroaniline	ND		ug/kg	230	61.	1
Dibenzofuran	ND		ug/kg	230	76.	1
2-Methylnaphthalene	ND		ug/kg	270	72.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	230	70.	1
Acetophenone	ND		ug/kg	230	70.	1
2,4,6-Trichlorophenol	ND		ug/kg	140	43.	1
p-Chloro-m-cresol	ND		ug/kg	230	66.	1
2-Chlorophenol	ND		ug/kg	230	68.	1
2,4-Dichlorophenol	ND		ug/kg	200	73.	1
2,4-Dimethylphenol	ND		ug/kg	230	67.	1
2-Nitrophenol	ND		ug/kg	490	70.	1
4-Nitrophenol	ND		ug/kg	320	73.	1
2,4-Dinitrophenol	ND		ug/kg	1100	310	1
4,6-Dinitro-o-cresol	ND		ug/kg	590	83.	1
Pentachlorophenol	ND		ug/kg	180	48.	1
Phenol	110	J	ug/kg	230	67.	1
2-Methylphenol	ND		ug/kg	230	73.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	320	74.	1
2,4,5-Trichlorophenol	ND		ug/kg	230	73.	1
Carbazole	140	J	ug/kg	230	49.	1
Benzaldehyde	120	J	ug/kg	300	91.	1
Caprolactam	ND		ug/kg	230	62.	1
Atrazine	ND		ug/kg	180	51.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	230	38.	1

Project Name: 15 LARIVIERE & 20 WILKINSON**Lab Number:** L1530234**Project Number:** 0136-013-007**Report Date:** 11/30/15**SAMPLE RESULTS**

Lab ID: L1530234-02

Date Collected: 11/17/15 08:45

Client ID: SS-1

Date Received: 11/18/15

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	64		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	88		10-136
4-Terphenyl-d14	92		18-120

Project Name: 15 LARIVIERE & 20 WILKINSON**Lab Number:** L1530234**Project Number:** 0136-013-007**Report Date:** 11/30/15**SAMPLE RESULTS**

Lab ID: L1530234-03
Client ID: SS-4
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/26/15 01:12
Analyst: HL
Percent Solids: 86%

Date Collected: 11/17/15 15:45
Date Received: 11/18/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/25/15 03:22

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	62.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	41.	1
2,6-Dinitrotoluene	ND		ug/kg	190	49.	1
Fluoranthene	88	J	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	140	J	ug/kg	190	50.	1
Butyl benzyl phthalate	ND		ug/kg	190	37.	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	40.	1
Dimethyl phthalate	ND		ug/kg	190	49.	1
Benzo(a)anthracene	53	J	ug/kg	120	38.	1
Benzo(a)pyrene	93	J	ug/kg	150	47.	1
Benzo(b)fluoranthene	110	J	ug/kg	120	39.	1
Benzo(k)fluoranthene	ND		ug/kg	120	36.	1

Project Name: 15 LARIVIERE & 20 WILKINSON

Lab Number: L1530234

Project Number: 0136-013-007

Report Date: 11/30/15

SAMPLE RESULTS

Lab ID: L1530234-03

Date Collected: 11/17/15 15:45

Client ID: SS-4

Date Received: 11/18/15

Sample Location: BUFFALO, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	44	J	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	42	J	ug/kg	120	37.	1
Indeno(1,2,3-cd)pyrene	120	J	ug/kg	150	42.	1
Pyrene	72	J	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	59.	1
Acetophenone	ND		ug/kg	190	59.	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	410	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	77.	1
Caprolactam	ND		ug/kg	190	53.	1
Atrazine	ND		ug/kg	150	43.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	33.	1

Project Name: 15 LARIVIERE & 20 WILKINSON**Lab Number:** L1530234**Project Number:** 0136-013-007**Report Date:** 11/30/15**SAMPLE RESULTS**

Lab ID: L1530234-03

Date Collected: 11/17/15 15:45

Client ID: SS-4

Date Received: 11/18/15

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	51		25-120
Phenol-d6	59		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	86		10-136
4-Terphenyl-d14	88		18-120

Project Name: 15 LARIVIERE & 20 WILKINSON**Lab Number:** L1530234**Project Number:** 0136-013-007**Report Date:** 11/30/15**SAMPLE RESULTS**

Lab ID: L1530234-04
Client ID: SS-5
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/26/15 01:40
Analyst: HL
Percent Solids: 76%

Date Collected: 11/17/15 15:48
Date Received: 11/18/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/25/15 03:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	45.	1
Hexachlorobenzene	ND		ug/kg	130	40.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	61.	1
2-Chloronaphthalene	ND		ug/kg	220	71.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	58.	1
2,4-Dinitrotoluene	ND		ug/kg	220	47.	1
2,6-Dinitrotoluene	ND		ug/kg	220	56.	1
Fluoranthene	710		ug/kg	130	40.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	66.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	50.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	76.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	66.	1
Hexachlorobutadiene	ND		ug/kg	220	61.	1
Hexachlorocyclopentadiene	ND		ug/kg	620	140	1
Hexachloroethane	ND		ug/kg	170	40.	1
Isophorone	ND		ug/kg	200	58.	1
Naphthalene	ND		ug/kg	220	72.	1
Nitrobenzene	ND		ug/kg	200	52.	1
NDPA/DPA	ND		ug/kg	170	46.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	65.	1
Bis(2-ethylhexyl)phthalate	190	J	ug/kg	220	57.	1
Butyl benzyl phthalate	ND		ug/kg	220	42.	1
Di-n-butylphthalate	ND		ug/kg	220	42.	1
Di-n-octylphthalate	ND		ug/kg	220	53.	1
Diethyl phthalate	ND		ug/kg	220	46.	1
Dimethyl phthalate	ND		ug/kg	220	55.	1
Benzo(a)anthracene	360		ug/kg	130	42.	1
Benzo(a)pyrene	390		ug/kg	170	53.	1
Benzo(b)fluoranthene	470		ug/kg	130	44.	1
Benzo(k)fluoranthene	210		ug/kg	130	41.	1

Project Name: 15 LARIVIERE & 20 WILKINSON

Lab Number: L1530234

Project Number: 0136-013-007

Report Date: 11/30/15

SAMPLE RESULTS

Lab ID: L1530234-04

Date Collected: 11/17/15 15:48

Client ID: SS-5

Date Received: 11/18/15

Sample Location: BUFFALO, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	330		ug/kg	130	43.	1
Acenaphthylene	ND		ug/kg	170	41.	1
Anthracene	86	J	ug/kg	130	36.	1
Benzo(ghi)perylene	270		ug/kg	170	45.	1
Fluorene	ND		ug/kg	220	62.	1
Phenanthrene	320		ug/kg	130	42.	1
Dibenzo(a,h)anthracene	95	J	ug/kg	130	42.	1
Indeno(1,2,3-cd)pyrene	370		ug/kg	170	48.	1
Pyrene	550		ug/kg	130	42.	1
Biphenyl	ND		ug/kg	500	72.	1
4-Chloroaniline	ND		ug/kg	220	57.	1
2-Nitroaniline	ND		ug/kg	220	61.	1
3-Nitroaniline	ND		ug/kg	220	60.	1
4-Nitroaniline	ND		ug/kg	220	59.	1
Dibenzofuran	ND		ug/kg	220	72.	1
2-Methylnaphthalene	ND		ug/kg	260	69.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	67.	1
Acetophenone	ND		ug/kg	220	67.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	41.	1
p-Chloro-m-cresol	ND		ug/kg	220	63.	1
2-Chlorophenol	ND		ug/kg	220	66.	1
2,4-Dichlorophenol	ND		ug/kg	200	70.	1
2,4-Dimethylphenol	ND		ug/kg	220	65.	1
2-Nitrophenol	ND		ug/kg	470	68.	1
4-Nitrophenol	ND		ug/kg	300	70.	1
2,4-Dinitrophenol	ND		ug/kg	1000	300	1
4,6-Dinitro-o-cresol	ND		ug/kg	560	80.	1
Pentachlorophenol	ND		ug/kg	170	46.	1
Phenol	ND		ug/kg	220	64.	1
2-Methylphenol	ND		ug/kg	220	70.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	310	71.	1
2,4,5-Trichlorophenol	ND		ug/kg	220	70.	1
Carbazole	51	J	ug/kg	220	47.	1
Benzaldehyde	98	J	ug/kg	290	88.	1
Caprolactam	ND		ug/kg	220	60.	1
Atrazine	ND		ug/kg	170	49.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	220	37.	1

Project Name: 15 LARIVIERE & 20 WILKINSON**Lab Number:** L1530234**Project Number:** 0136-013-007**Report Date:** 11/30/15**SAMPLE RESULTS**

Lab ID: L1530234-04

Date Collected: 11/17/15 15:48

Client ID: SS-5

Date Received: 11/18/15

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	54		25-120
Phenol-d6	63		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	87		30-120
2,4,6-Tribromophenol	90		10-136
4-Terphenyl-d14	87		18-120

Project Name: 15 LARIVIERE & 20 WILKINSON**Lab Number:** L1530234**Project Number:** 0136-013-007**Report Date:** 11/30/15**SAMPLE RESULTS**

Lab ID: L1530234-05
Client ID: SS-6
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/26/15 02:08
Analyst: HL
Percent Solids: 79%

Date Collected: 11/17/15 15:34
Date Received: 11/18/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/25/15 03:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	43.	1
Hexachlorobenzene	ND		ug/kg	120	39.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	59.	1
2-Chloronaphthalene	ND		ug/kg	210	68.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	56.	1
2,4-Dinitrotoluene	ND		ug/kg	210	45.	1
2,6-Dinitrotoluene	ND		ug/kg	210	54.	1
Fluoranthene	200		ug/kg	120	38.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	64.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	48.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	74.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	63.	1
Hexachlorobutadiene	ND		ug/kg	210	59.	1
Hexachlorocyclopentadiene	ND		ug/kg	600	130	1
Hexachloroethane	ND		ug/kg	170	38.	1
Isophorone	ND		ug/kg	190	56.	1
Naphthalene	ND		ug/kg	210	70.	1
Nitrobenzene	ND		ug/kg	190	50.	1
NDPA/DPA	ND		ug/kg	170	44.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	62.	1
Bis(2-ethylhexyl)phthalate	170	J	ug/kg	210	55.	1
Butyl benzyl phthalate	ND		ug/kg	210	41.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	52.	1
Diethyl phthalate	ND		ug/kg	210	44.	1
Dimethyl phthalate	ND		ug/kg	210	53.	1
Benzo(a)anthracene	91	J	ug/kg	120	41.	1
Benzo(a)pyrene	140	J	ug/kg	170	51.	1
Benzo(b)fluoranthene	170		ug/kg	120	42.	1
Benzo(k)fluoranthene	49	J	ug/kg	120	40.	1

Project Name: 15 LARIVIERE & 20 WILKINSON**Lab Number:** L1530234**Project Number:** 0136-013-007**Report Date:** 11/30/15**SAMPLE RESULTS****Lab ID:** L1530234-05**Date Collected:** 11/17/15 15:34**Client ID:** SS-6**Date Received:** 11/18/15**Sample Location:** BUFFALO, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	86	J	ug/kg	120	41.	1
Acenaphthylene	ND		ug/kg	170	39.	1
Anthracene	ND		ug/kg	120	35.	1
Benzo(ghi)perylene	70	J	ug/kg	170	44.	1
Fluorene	ND		ug/kg	210	60.	1
Phenanthrene	73	J	ug/kg	120	41.	1
Dibenzo(a,h)anthracene	51	J	ug/kg	120	40.	1
Indeno(1,2,3-cd)pyrene	170		ug/kg	170	46.	1
Pyrene	150		ug/kg	120	41.	1
Biphenyl	ND		ug/kg	480	69.	1
4-Chloroaniline	ND		ug/kg	210	55.	1
2-Nitroaniline	ND		ug/kg	210	59.	1
3-Nitroaniline	ND		ug/kg	210	58.	1
4-Nitroaniline	ND		ug/kg	210	56.	1
Dibenzofuran	ND		ug/kg	210	70.	1
2-Methylnaphthalene	ND		ug/kg	250	67.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	65.	1
Acetophenone	ND		ug/kg	210	65.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	40.	1
p-Chloro-m-cresol	ND		ug/kg	210	61.	1
2-Chlorophenol	ND		ug/kg	210	63.	1
2,4-Dichlorophenol	ND		ug/kg	190	68.	1
2,4-Dimethylphenol	ND		ug/kg	210	62.	1
2-Nitrophenol	ND		ug/kg	450	65.	1
4-Nitrophenol	ND		ug/kg	290	68.	1
2,4-Dinitrophenol	ND		ug/kg	1000	290	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	77.	1
Pentachlorophenol	ND		ug/kg	170	45.	1
Phenol	ND		ug/kg	210	62.	1
2-Methylphenol	ND		ug/kg	210	67.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	69.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	68.	1
Carbazole	ND		ug/kg	210	45.	1
Benzaldehyde	ND		ug/kg	280	85.	1
Caprolactam	ND		ug/kg	210	58.	1
Atrazine	ND		ug/kg	170	47.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	210	36.	1

Project Name: 15 LARIVIERE & 20 WILKINSON**Lab Number:** L1530234**Project Number:** 0136-013-007**Report Date:** 11/30/15**SAMPLE RESULTS**

Lab ID: L1530234-05

Date Collected: 11/17/15 15:34

Client ID: SS-6

Date Received: 11/18/15

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	61		25-120
Phenol-d6	65		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	85		30-120
2,4,6-Tribromophenol	95		10-136
4-Terphenyl-d14	93		18-120

Project Name: 15 LARIVIERE & 20 WILKINSON**Lab Number:** L1530234**Project Number:** 0136-013-007**Report Date:** 11/30/15**SAMPLE RESULTS**

Lab ID: L1530234-06
Client ID: BLIND DUP #2
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/26/15 02:35
Analyst: HL
Percent Solids: 76%

Date Collected: 11/17/15 12:00
Date Received: 11/18/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/25/15 03:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	45.	1
Hexachlorobenzene	ND		ug/kg	130	40.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	61.	1
2-Chloronaphthalene	ND		ug/kg	220	71.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	58.	1
2,4-Dinitrotoluene	ND		ug/kg	220	47.	1
2,6-Dinitrotoluene	ND		ug/kg	220	56.	1
Fluoranthene	190		ug/kg	130	40.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	66.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	50.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	77.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	240	66.	1
Hexachlorobutadiene	ND		ug/kg	220	61.	1
Hexachlorocyclopentadiene	ND		ug/kg	620	140	1
Hexachloroethane	ND		ug/kg	170	40.	1
Isophorone	ND		ug/kg	200	58.	1
Naphthalene	ND		ug/kg	220	72.	1
Nitrobenzene	ND		ug/kg	200	52.	1
NDPA/DPA	ND		ug/kg	170	46.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	65.	1
Bis(2-ethylhexyl)phthalate	170	J	ug/kg	220	57.	1
Butyl benzyl phthalate	ND		ug/kg	220	42.	1
Di-n-butylphthalate	ND		ug/kg	220	42.	1
Di-n-octylphthalate	ND		ug/kg	220	54.	1
Diethyl phthalate	ND		ug/kg	220	46.	1
Dimethyl phthalate	ND		ug/kg	220	55.	1
Benzo(a)anthracene	83	J	ug/kg	130	43.	1
Benzo(a)pyrene	130	J	ug/kg	170	53.	1
Benzo(b)fluoranthene	170		ug/kg	130	44.	1
Benzo(k)fluoranthene	43	J	ug/kg	130	42.	1

Project Name: 15 LARIVIERE & 20 WILKINSON

Lab Number: L1530234

Project Number: 0136-013-007

Report Date: 11/30/15

SAMPLE RESULTS

Lab ID: L1530234-06
 Client ID: BLIND DUP #2
 Sample Location: BUFFALO, NY

Date Collected: 11/17/15 12:00
 Date Received: 11/18/15
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	77	J	ug/kg	130	43.	1
Acenaphthylene	ND		ug/kg	170	41.	1
Anthracene	ND		ug/kg	130	36.	1
Benzo(ghi)perylene	63	J	ug/kg	170	45.	1
Fluorene	ND		ug/kg	220	62.	1
Phenanthrene	84	J	ug/kg	130	42.	1
Dibenzo(a,h)anthracene	52	J	ug/kg	130	42.	1
Indeno(1,2,3-cd)pyrene	170		ug/kg	170	48.	1
Pyrene	140		ug/kg	130	42.	1
Biphenyl	ND		ug/kg	500	72.	1
4-Chloroaniline	ND		ug/kg	220	57.	1
2-Nitroaniline	ND		ug/kg	220	61.	1
3-Nitroaniline	ND		ug/kg	220	60.	1
4-Nitroaniline	ND		ug/kg	220	59.	1
Dibenzofuran	ND		ug/kg	220	73.	1
2-Methylnaphthalene	ND		ug/kg	260	70.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	67.	1
Acetophenone	ND		ug/kg	220	68.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	41.	1
p-Chloro-m-cresol	ND		ug/kg	220	63.	1
2-Chlorophenol	ND		ug/kg	220	66.	1
2,4-Dichlorophenol	ND		ug/kg	200	70.	1
2,4-Dimethylphenol	ND		ug/kg	220	65.	1
2-Nitrophenol	ND		ug/kg	470	68.	1
4-Nitrophenol	ND		ug/kg	300	70.	1
2,4-Dinitrophenol	ND		ug/kg	1000	300	1
4,6-Dinitro-o-cresol	ND		ug/kg	570	80.	1
Pentachlorophenol	ND		ug/kg	170	47.	1
Phenol	ND		ug/kg	220	64.	1
2-Methylphenol	ND		ug/kg	220	70.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	310	71.	1
2,4,5-Trichlorophenol	ND		ug/kg	220	70.	1
Carbazole	ND		ug/kg	220	47.	1
Benzaldehyde	ND		ug/kg	290	88.	1
Caprolactam	ND		ug/kg	220	60.	1
Atrazine	ND		ug/kg	170	49.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	220	37.	1

Project Name: 15 LARIVIERE & 20 WILKINSON**Lab Number:** L1530234**Project Number:** 0136-013-007**Report Date:** 11/30/15**SAMPLE RESULTS****Lab ID:** L1530234-06**Date Collected:** 11/17/15 12:00**Client ID:** BLIND DUP #2**Date Received:** 11/18/15**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	60		25-120
Phenol-d6	66		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	85		30-120
2,4,6-Tribromophenol	89		10-136
4-Terphenyl-d14	92		18-120

Project Name: 15 LARIVIERE & 20 WILKINSON**Lab Number:** L1530234**Project Number:** 0136-013-007**Report Date:** 11/30/15**SAMPLE RESULTS**

Lab ID: L1530234-07
Client ID: SS-7
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/26/15 03:02
Analyst: HL
Percent Solids: 73%

Date Collected: 11/17/15 15:25
Date Received: 11/18/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/25/15 03:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	180	46.	1
Hexachlorobenzene	ND		ug/kg	130	42.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	63.	1
2-Chloronaphthalene	ND		ug/kg	220	73.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	59.	1
2,4-Dinitrotoluene	ND		ug/kg	220	48.	1
2,6-Dinitrotoluene	ND		ug/kg	220	57.	1
Fluoranthene	300		ug/kg	130	41.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	68.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	51.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	270	79.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	240	68.	1
Hexachlorobutadiene	ND		ug/kg	220	63.	1
Hexachlorocyclopentadiene	ND		ug/kg	640	140	1
Hexachloroethane	ND		ug/kg	180	41.	1
Isophorone	ND		ug/kg	200	59.	1
Naphthalene	ND		ug/kg	220	74.	1
Nitrobenzene	ND		ug/kg	200	53.	1
NDPA/DPA	ND		ug/kg	180	47.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	67.	1
Bis(2-ethylhexyl)phthalate	190	J	ug/kg	220	58.	1
Butyl benzyl phthalate	ND		ug/kg	220	44.	1
Di-n-butylphthalate	ND		ug/kg	220	43.	1
Di-n-octylphthalate	ND		ug/kg	220	55.	1
Diethyl phthalate	ND		ug/kg	220	47.	1
Dimethyl phthalate	ND		ug/kg	220	57.	1
Benzo(a)anthracene	140		ug/kg	130	44.	1
Benzo(a)pyrene	180		ug/kg	180	55.	1
Benzo(b)fluoranthene	220		ug/kg	130	45.	1
Benzo(k)fluoranthene	67	J	ug/kg	130	43.	1

Project Name: 15 LARIVIERE & 20 WILKINSON

Lab Number: L1530234

Project Number: 0136-013-007

Report Date: 11/30/15

SAMPLE RESULTS

Lab ID: L1530234-07

Date Collected: 11/17/15 15:25

Client ID: SS-7

Date Received: 11/18/15

Sample Location: BUFFALO, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	120	J	ug/kg	130	44.	1
Acenaphthylene	ND		ug/kg	180	42.	1
Anthracene	ND		ug/kg	130	37.	1
Benzo(ghi)perylene	96	J	ug/kg	180	46.	1
Fluorene	ND		ug/kg	220	64.	1
Phenanthrene	120	J	ug/kg	130	44.	1
Dibenzo(a,h)anthracene	61	J	ug/kg	130	43.	1
Indeno(1,2,3-cd)pyrene	200		ug/kg	180	50.	1
Pyrene	220		ug/kg	130	43.	1
Biphenyl	ND		ug/kg	510	74.	1
4-Chloroaniline	ND		ug/kg	220	59.	1
2-Nitroaniline	ND		ug/kg	220	63.	1
3-Nitroaniline	ND		ug/kg	220	62.	1
4-Nitroaniline	ND		ug/kg	220	60.	1
Dibenzofuran	ND		ug/kg	220	75.	1
2-Methylnaphthalene	ND		ug/kg	270	71.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	69.	1
Acetophenone	ND		ug/kg	220	69.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	42.	1
p-Chloro-m-cresol	ND		ug/kg	220	65.	1
2-Chlorophenol	ND		ug/kg	220	68.	1
2,4-Dichlorophenol	ND		ug/kg	200	72.	1
2,4-Dimethylphenol	ND		ug/kg	220	67.	1
2-Nitrophenol	ND		ug/kg	480	70.	1
4-Nitrophenol	ND		ug/kg	310	72.	1
2,4-Dinitrophenol	ND		ug/kg	1100	300	1
4,6-Dinitro-o-cresol	ND		ug/kg	580	82.	1
Pentachlorophenol	ND		ug/kg	180	48.	1
Phenol	ND		ug/kg	220	66.	1
2-Methylphenol	ND		ug/kg	220	72.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	320	73.	1
2,4,5-Trichlorophenol	ND		ug/kg	220	72.	1
Carbazole	ND		ug/kg	220	48.	1
Benzaldehyde	ND		ug/kg	300	90.	1
Caprolactam	ND		ug/kg	220	62.	1
Atrazine	ND		ug/kg	180	51.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	220	38.	1

Project Name: 15 LARIVIERE & 20 WILKINSON**Lab Number:** L1530234**Project Number:** 0136-013-007**Report Date:** 11/30/15**SAMPLE RESULTS**

Lab ID: L1530234-07

Date Collected: 11/17/15 15:25

Client ID: SS-7

Date Received: 11/18/15

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	61		25-120
Phenol-d6	65		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	83		10-136
4-Terphenyl-d14	80		18-120

Project Name: 15 LARIVIERE & 20 WILKINSON**Lab Number:** L1530234**Project Number:** 0136-013-007**Report Date:** 11/30/15**SAMPLE RESULTS**

Lab ID: L1530234-08
Client ID: SS-8
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/26/15 03:30
Analyst: HL
Percent Solids: 73%

Date Collected: 11/17/15 15:35
Date Received: 11/18/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/25/15 03:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	180	46.	1
Hexachlorobenzene	ND		ug/kg	130	42.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	63.	1
2-Chloronaphthalene	ND		ug/kg	220	73.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	60.	1
2,4-Dinitrotoluene	ND		ug/kg	220	48.	1
2,6-Dinitrotoluene	ND		ug/kg	220	57.	1
Fluoranthene	300		ug/kg	130	41.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	68.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	52.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	270	79.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	240	68.	1
Hexachlorobutadiene	ND		ug/kg	220	63.	1
Hexachlorocyclopentadiene	ND		ug/kg	640	140	1
Hexachloroethane	ND		ug/kg	180	41.	1
Isophorone	ND		ug/kg	200	60.	1
Naphthalene	ND		ug/kg	220	74.	1
Nitrobenzene	ND		ug/kg	200	53.	1
NDPA/DPA	ND		ug/kg	180	47.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	67.	1
Bis(2-ethylhexyl)phthalate	170	J	ug/kg	220	59.	1
Butyl benzyl phthalate	ND		ug/kg	220	44.	1
Di-n-butylphthalate	ND		ug/kg	220	43.	1
Di-n-octylphthalate	ND		ug/kg	220	55.	1
Diethyl phthalate	ND		ug/kg	220	47.	1
Dimethyl phthalate	ND		ug/kg	220	57.	1
Benzo(a)anthracene	140		ug/kg	130	44.	1
Benzo(a)pyrene	180		ug/kg	180	55.	1
Benzo(b)fluoranthene	210		ug/kg	130	45.	1
Benzo(k)fluoranthene	63	J	ug/kg	130	43.	1

Project Name: 15 LARIVIERE & 20 WILKINSON**Lab Number:** L1530234**Project Number:** 0136-013-007**Report Date:** 11/30/15**SAMPLE RESULTS****Lab ID:** L1530234-08**Date Collected:** 11/17/15 15:35**Client ID:** SS-8**Date Received:** 11/18/15**Sample Location:** BUFFALO, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	120	J	ug/kg	130	44.	1
Acenaphthylene	ND		ug/kg	180	42.	1
Anthracene	46	J	ug/kg	130	37.	1
Benzo(ghi)perylene	84	J	ug/kg	180	47.	1
Fluorene	ND		ug/kg	220	64.	1
Phenanthrene	150		ug/kg	130	44.	1
Dibenzo(a,h)anthracene	59	J	ug/kg	130	43.	1
Indeno(1,2,3-cd)pyrene	190		ug/kg	180	50.	1
Pyrene	230		ug/kg	130	44.	1
Biphenyl	ND		ug/kg	510	74.	1
4-Chloroaniline	ND		ug/kg	220	59.	1
2-Nitroaniline	ND		ug/kg	220	63.	1
3-Nitroaniline	ND		ug/kg	220	62.	1
4-Nitroaniline	ND		ug/kg	220	61.	1
Dibenzofuran	ND		ug/kg	220	75.	1
2-Methylnaphthalene	ND		ug/kg	270	72.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	70.	1
Acetophenone	ND		ug/kg	220	70.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	42.	1
p-Chloro-m-cresol	ND		ug/kg	220	65.	1
2-Chlorophenol	ND		ug/kg	220	68.	1
2,4-Dichlorophenol	ND		ug/kg	200	73.	1
2,4-Dimethylphenol	ND		ug/kg	220	67.	1
2-Nitrophenol	ND		ug/kg	480	70.	1
4-Nitrophenol	ND		ug/kg	310	73.	1
2,4-Dinitrophenol	ND		ug/kg	1100	310	1
4,6-Dinitro-o-cresol	ND		ug/kg	580	82.	1
Pentachlorophenol	ND		ug/kg	180	48.	1
Phenol	ND		ug/kg	220	66.	1
2-Methylphenol	ND		ug/kg	220	72.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	320	74.	1
2,4,5-Trichlorophenol	ND		ug/kg	220	73.	1
Carbazole	ND		ug/kg	220	48.	1
Benzaldehyde	ND		ug/kg	300	91.	1
Caprolactam	ND		ug/kg	220	62.	1
Atrazine	ND		ug/kg	180	51.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	220	38.	1

Project Name: 15 LARIVIERE & 20 WILKINSON**Lab Number:** L1530234**Project Number:** 0136-013-007**Report Date:** 11/30/15**SAMPLE RESULTS**

Lab ID: L1530234-08

Date Collected: 11/17/15 15:35

Client ID: SS-8

Date Received: 11/18/15

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	36		25-120
Phenol-d6	50		10-120
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	82		30-120
2,4,6-Tribromophenol	99		10-136
4-Terphenyl-d14	100		18-120

Project Name: 15 LARIVIERE & 20 WILKINSON**Lab Number:** L1530234**Project Number:** 0136-013-007**Report Date:** 11/30/15**SAMPLE RESULTS**

Lab ID: L1530234-09
Client ID: SS-9
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/26/15 03:58
Analyst: HL
Percent Solids: 77%

Date Collected: 11/17/15 15:52
Date Received: 11/18/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/25/15 03:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	44.	1
Hexachlorobenzene	ND		ug/kg	130	40.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	60.	1
2-Chloronaphthalene	ND		ug/kg	210	70.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	57.	1
2,4-Dinitrotoluene	ND		ug/kg	210	46.	1
2,6-Dinitrotoluene	ND		ug/kg	210	55.	1
Fluoranthene	180		ug/kg	130	39.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	65.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	49.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	75.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	65.	1
Hexachlorobutadiene	ND		ug/kg	210	60.	1
Hexachlorocyclopentadiene	ND		ug/kg	610	140	1
Hexachloroethane	ND		ug/kg	170	39.	1
Isophorone	ND		ug/kg	190	57.	1
Naphthalene	ND		ug/kg	210	71.	1
Nitrobenzene	ND		ug/kg	190	51.	1
NDPA/DPA	ND		ug/kg	170	45.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	64.	1
Bis(2-ethylhexyl)phthalate	150	J	ug/kg	210	56.	1
Butyl benzyl phthalate	ND		ug/kg	210	42.	1
Di-n-butylphthalate	ND		ug/kg	210	41.	1
Di-n-octylphthalate	ND		ug/kg	210	53.	1
Diethyl phthalate	ND		ug/kg	210	45.	1
Dimethyl phthalate	ND		ug/kg	210	54.	1
Benzo(a)anthracene	86	J	ug/kg	130	42.	1
Benzo(a)pyrene	140	J	ug/kg	170	52.	1
Benzo(b)fluoranthene	160		ug/kg	130	43.	1
Benzo(k)fluoranthene	46	J	ug/kg	130	41.	1

Project Name: 15 LARIVIERE & 20 WILKINSON

Lab Number: L1530234

Project Number: 0136-013-007

Report Date: 11/30/15

SAMPLE RESULTS

Lab ID: L1530234-09

Date Collected: 11/17/15 15:52

Client ID: SS-9

Date Received: 11/18/15

Sample Location: BUFFALO, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	80	J	ug/kg	130	42.	1
Acenaphthylene	ND		ug/kg	170	40.	1
Anthracene	ND		ug/kg	130	36.	1
Benzo(ghi)perylene	65	J	ug/kg	170	44.	1
Fluorene	ND		ug/kg	210	61.	1
Phenanthrene	70	J	ug/kg	130	42.	1
Dibenzo(a,h)anthracene	52	J	ug/kg	130	41.	1
Indeno(1,2,3-cd)pyrene	160	J	ug/kg	170	48.	1
Pyrene	140		ug/kg	130	42.	1
Biphenyl	ND		ug/kg	490	71.	1
4-Chloroaniline	ND		ug/kg	210	56.	1
2-Nitroaniline	ND		ug/kg	210	60.	1
3-Nitroaniline	ND		ug/kg	210	59.	1
4-Nitroaniline	ND		ug/kg	210	58.	1
Dibenzofuran	ND		ug/kg	210	71.	1
2-Methylnaphthalene	ND		ug/kg	260	68.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	66.	1
Acetophenone	ND		ug/kg	210	66.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	40.	1
p-Chloro-m-cresol	ND		ug/kg	210	62.	1
2-Chlorophenol	ND		ug/kg	210	65.	1
2,4-Dichlorophenol	ND		ug/kg	190	69.	1
2,4-Dimethylphenol	ND		ug/kg	210	64.	1
2-Nitrophenol	ND		ug/kg	460	67.	1
4-Nitrophenol	ND		ug/kg	300	69.	1
2,4-Dinitrophenol	ND		ug/kg	1000	290	1
4,6-Dinitro-o-cresol	ND		ug/kg	560	78.	1
Pentachlorophenol	ND		ug/kg	170	46.	1
Phenol	ND		ug/kg	210	63.	1
2-Methylphenol	ND		ug/kg	210	69.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	310	70.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	69.	1
Carbazole	ND		ug/kg	210	46.	1
Benzaldehyde	87	J	ug/kg	280	86.	1
Caprolactam	ND		ug/kg	210	59.	1
Atrazine	ND		ug/kg	170	48.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	210	36.	1

Project Name: 15 LARIVIERE & 20 WILKINSON**Lab Number:** L1530234**Project Number:** 0136-013-007**Report Date:** 11/30/15**SAMPLE RESULTS**

Lab ID: L1530234-09

Date Collected: 11/17/15 15:52

Client ID: SS-9

Date Received: 11/18/15

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	58		25-120
Phenol-d6	65		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	86		30-120
2,4,6-Tribromophenol	86		10-136
4-Terphenyl-d14	87		18-120

Project Name: 15 LARIVIERE & 20 WILKINSON

Lab Number: L1530234

Project Number: 0136-013-007

Report Date: 11/30/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 11/25/15 19:40
 Analyst: HL

Extraction Method: EPA 3546
 Extraction Date: 11/25/15 03:22

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-09 Batch: WG844167-1					
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	44.
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	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	470	100
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
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	49.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	34.
Dimethyl phthalate	ND		ug/kg	160	42.
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: 15 LARIVIERE & 20 WILKINSON

Lab Number: L1530234

Project Number: 0136-013-007

Report Date: 11/30/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 11/25/15 19:40
 Analyst: HL

Extraction Method: EPA 3546
 Extraction Date: 11/25/15 03:22

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-09 Batch: WG844167-1					
Benzo(k)fluoranthene	ND		ug/kg	98	31.
Chrysene	ND		ug/kg	98	32.
Acenaphthylene	ND		ug/kg	130	31.
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	55.
2-Methylnaphthalene	ND		ug/kg	200	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
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	49.
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: 15 LARIVIERE & 20 WILKINSON

Lab Number: L1530234

Project Number: 0136-013-007

Report Date: 11/30/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 11/25/15 19:40
 Analyst: HL

Extraction Method: EPA 3546
 Extraction Date: 11/25/15 03:22

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-09 Batch: WG844167-1					
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	53.
Carbazole	ND		ug/kg	160	35.
Benzaldehyde	ND		ug/kg	220	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	76		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	91		30-120
2,4,6-Tribromophenol	73		10-136
4-Terphenyl-d14	102		18-120

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 15 LARIVIERE & 20 WILKINSON

Project Number: 0136-013-007

Lab Number: L1530234

Report Date: 11/30/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG844167-2 WG844167-3								
Acenaphthene	87		83		31-137	5		50
Benzidine	63		60		10-66	5		50
n-Nitrosodimethylamine	66		65		22-100	2		50
1,2,4-Trichlorobenzene	86		81		38-107	6		50
Hexachlorobenzene	102		93		40-140	9		50
Bis(2-chloroethyl)ether	71		71		40-140	0		50
2-Chloronaphthalene	92		87		40-140	6		50
1,2-Dichlorobenzene	78		74		40-140	5		50
1,3-Dichlorobenzene	72		71		40-140	1		50
1,4-Dichlorobenzene	73		71		28-104	3		50
3,3'-Dichlorobenzidine	81		77		40-140	5		50
2,4-Dinitrotoluene	116	Q	108	Q	28-89	7		50
2,6-Dinitrotoluene	106		99		40-140	7		50
Fluoranthene	103		98		40-140	5		50
4-Chlorophenyl phenyl ether	98		88		40-140	11		50
4-Bromophenyl phenyl ether	111		102		40-140	8		50
Azobenzene	95		86		40-140	10		50
Bis(2-chloroisopropyl)ether	71		69		40-140	3		50
Bis(2-chloroethoxy)methane	88		84		40-117	5		50
Hexachlorobutadiene	89		87		40-140	2		50
Hexachlorocyclopentadiene	102		94		40-140	8		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKINSON
Project Number: 0136-013-007

Lab Number: L1530234
Report Date: 11/30/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG844167-2 WG844167-3								
Hexachloroethane	83		79		40-140	5		50
Isophorone	86		81		40-140	6		50
Naphthalene	76		73		40-140	4		50
Nitrobenzene	87		81		40-140	7		50
NitrosoDiPhenylAmine(NDPA)/DPA	105		95		36-157	10		50
n-Nitrosodi-n-propylamine	82		77		32-121	6		50
Bis(2-Ethylhexyl)phthalate	98		96		40-140	2		50
Butyl benzyl phthalate	107		103		40-140	4		50
Di-n-butylphthalate	104		99		40-140	5		50
Di-n-octylphthalate	102		100		40-140	2		50
Diethyl phthalate	108		98		40-140	10		50
Dimethyl phthalate	100		92		40-140	8		50
Benzo(a)anthracene	105		100		40-140	5		50
Benzo(a)pyrene	94		89		40-140	5		50
Benzo(b)fluoranthene	90		85		40-140	6		50
Benzo(k)fluoranthene	94		89		40-140	5		50
Chrysene	88		85		40-140	3		50
Acenaphthylene	111		104		40-140	7		50
Anthracene	98		94		40-140	4		50
Benzo(ghi)perylene	97		94		40-140	3		50
Fluorene	99		89		40-140	11		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKINSON

Project Number: 0136-013-007

Lab Number: L1530234

Report Date: 11/30/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG844167-2 WG844167-3								
Phenanthrene	85		82		40-140	4		50
Dibenzo(a,h)anthracene	91		87		40-140	4		50
Indeno(1,2,3-cd)Pyrene	92		87		40-140	6		50
Pyrene	92		90		35-142	2		50
Biphenyl	86		81		54-104	6		50
Aniline	56		54		40-140	4		50
4-Chloroaniline	92		88		40-140	4		50
2-Nitroaniline	108		105		47-134	3		50
3-Nitroaniline	78		76		26-129	3		50
4-Nitroaniline	96		90		41-125	6		50
Dibenzofuran	88		80		40-140	10		50
2-Methylnaphthalene	93		86		40-140	8		50
1,2,4,5-Tetrachlorobenzene	87		81		40-117	7		50
Acetophenone	93		89		14-144	4		50
2,4,6-Trichlorophenol	117		113		30-130	3		50
P-Chloro-M-Cresol	100		97		26-103	3		50
2-Chlorophenol	87		85		25-102	2		50
2,4-Dichlorophenol	106		99		30-130	7		50
2,4-Dimethylphenol	102		97		30-130	5		50
2-Nitrophenol	93		89		30-130	4		50
4-Nitrophenol	103		95		11-114	8		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKINSON

Project Number: 0136-013-007

Lab Number: L1530234

Report Date: 11/30/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG844167-2 WG844167-3								
2,4-Dinitrophenol	20		23		4-130	14		50
4,6-Dinitro-o-cresol	54		58		10-130	7		50
Pentachlorophenol	69		69		17-109	0		50
Phenol	82		80		26-90	2		50
2-Methylphenol	93		89		30-130	4		50
3-Methylphenol/4-Methylphenol	101		95		30-130	6		50
2,4,5-Trichlorophenol	109		103		30-130	6		50
Benzoic Acid	0	Q	0	Q	10-66	NC		50
Benzyl Alcohol	98		95		40-140	3		50
Carbazole	97		92		54-128	5		50
Benzaldehyde	83		82		40-140	1		50
Caprolactam	87		85		15-130	2		50
Atrazine	117		111		40-140	5		50
2,3,4,6-Tetrachlorophenol	100		92		40-140	8		50
Pyridine	40		40		10-93	0		50
1-Methylnaphthalene	102		95		26-130	7		50

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 15 LARIVIERE & 20 WILKINSON**Lab Number:** L1530234**Project Number:** 0136-013-007**Report Date:** 11/30/15

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

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG844167-2 WG844167-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	78		78		25-120
Phenol-d6	82		79		10-120
Nitrobenzene-d5	88		85		23-120
2-Fluorobiphenyl	93		89		30-120
2,4,6-Tribromophenol	92		88		10-136
4-Terphenyl-d14	94		92		18-120

Matrix Spike Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKINSON

Project Number: 0136-013-007

Lab Number: L1530234

Report Date: 11/30/15

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): 01-09 QC Batch ID: WG844167-4 WG844167-5 QC Sample: L1530234-01 Client ID:												
BCP-MW-5(6-8)												
Acenaphthene	56.J	1490	1300	87		1100	75		31-137	17		50
Benzidine	ND	1490	970	65		970	66		10-66	0		50
n-Nitrosodimethylamine	ND	1490	1000	67		840	57		22-100	17		50
1,2,4-Trichlorobenzene	ND	1490	1300	87		1100	75		38-107	17		50
Hexachlorobenzene	ND	1490	1400	94		1100	75		40-140	24		50
Bis(2-chloroethyl)ether	ND	1490	1100	74		920	62		40-140	18		50
2-Chloronaphthalene	ND	1490	1300	87		1100	75		40-140	17		50
1,2-Dichlorobenzene	ND	1490	1200	81		970	66		40-140	21		50
1,3-Dichlorobenzene	ND	1490	1100	74		920	62		40-140	18		50
1,4-Dichlorobenzene	ND	1490	1100	74		930	63		28-104	17		50
3,3'-Dichlorobenzidine	ND	1490	1100	74		1100	75		40-140	0		50
2,4-Dinitrotoluene	ND	1490	1600	110	Q	1300	88		28-89	21		50
2,6-Dinitrotoluene	ND	1490	1400	94		1200	81		40-140	15		50
Fluoranthene	430	1490	2200	60		1800	34	Q	40-140	20		50
4-Chlorophenyl phenyl ether	ND	1490	1300	87		1100	75		40-140	17		50
4-Bromophenyl phenyl ether	ND	1490	1500	100		1200	81		40-140	22		50
Azobenzene	ND	1490	1300	87		1100	75		40-140	17		50
Bis(2-chloroisopropyl)ether	ND	1490	1000	67		900	61		40-140	11		50
Bis(2-chloroethoxy)methane	ND	1490	1200	81		1000	68		40-117	18		50
Hexachlorobutadiene	ND	1490	1400	94		1200	81		40-140	15		50
Hexachlorocyclopentadiene	ND	1490	1000	67		440J	30	Q	40-140	78	Q	50

Matrix Spike Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKINSON

Project Number: 0136-013-007

Lab Number: L1530234

Report Date: 11/30/15

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): 01-09 QC Batch ID: WG844167-4 WG844167-5 QC Sample: L1530234-01 Client ID:												
BCP-MW-5(6-8)												
Hexachloroethane	ND	1490	1200	81		1000	68		40-140	18		50
Isophorone	ND	1490	1200	81		1000	68		40-140	18		50
Naphthalene	ND	1490	1200	81		1000	68		40-140	18		50
Nitrobenzene	ND	1490	1300	87		1100	75		40-140	17		50
NitrosoDiPhenylAmine(NDPA)/DPA	ND	1490	1400	94		1200	81		36-157	15		50
n-Nitrosodi-n-propylamine	ND	1490	1100	74		960	65		32-121	14		50
Bis(2-Ethylhexyl)phthalate	ND	1490	1400	94		1200	81		40-140	15		50
Butyl benzyl phthalate	ND	1490	1500	100		1300	88		40-140	14		50
Di-n-butylphthalate	ND	1490	1500	100		1200	81		40-140	22		50
Di-n-octylphthalate	ND	1490	1400	94		1200	81		40-140	15		50
Diethyl phthalate	ND	1490	1400	94		1200	81		40-140	15		50
Dimethyl phthalate	ND	1490	1300	87		1100	75		40-140	17		50
Benzo(a)anthracene	190	1490	1800	83		1500	64		40-140	18		50
Benzo(a)pyrene	180	1490	1500	63		1200	43		40-140	22		50
Benzo(b)fluoranthene	210	1490	1500	58		1200	39	Q	40-140	22		50
Benzo(k)fluoranthene	72.J	1490	1500	100		1200	81		40-140	22		50
Chrysene	150	1490	1500	70		1300	58		40-140	14		50
Acenaphthylene	ND	1490	1500	100		1300	88		40-140	14		50
Anthracene	110	1490	1600	85		1300	65		40-140	21		50
Benzo(ghi)perylene	98.J	1490	1500	100		1300	88		40-140	14		50
Fluorene	56.J	1490	1500	100		1200	81		40-140	22		50

Matrix Spike Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKINSON

Project Number: 0136-013-007

Lab Number: L1530234

Report Date: 11/30/15

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): 01-09 QC Batch ID: WG844167-4 WG844167-5 QC Sample: L1530234-01 Client ID:												
BCP-MW-5(6-8)												
Phenanthrene	330	1490	1800	55		1500	35	Q	40-140	18		50
Dibenzo(a,h)anthracene	59.J	1490	1300	87		1100	75		40-140	17		50
Indeno(1,2,3-cd)Pyrene	180	1490	1500	64		1200	45		40-140	22		50
Pyrene	310	1490	1900	66		1500	39		35-142	24		50
Biphenyl	ND	1490	1300	87		1000	68		54-104	26		50
Aniline	ND	1490	760	51		690	47		40-140	10		50
4-Chloroaniline	ND	1490	1300	87		1200	81		40-140	8		50
2-Nitroaniline	ND	1490	1500	100		1300	88		47-134	14		50
3-Nitroaniline	ND	1490	1000	67		910	62		26-129	9		50
4-Nitroaniline	ND	1490	1300	87		1100	75		41-125	17		50
Dibenzofuran	ND	1490	1300	87		1100	75		40-140	17		50
2-Methylnaphthalene	ND	1490	1400	94		1100	75		40-140	24		50
1,2,4,5-Tetrachlorobenzene	ND	1490	1300	87		1100	75		40-117	17		50
Acetophenone	ND	1490	1300	87		1100	75		14-144	17		50
2,4,6-Trichlorophenol	ND	1490	1700	110		1400	95		30-130	19		50
P-Chloro-M-Cresol	ND	1490	1400	94		1200	81		26-103	15		50
2-Chlorophenol	ND	1490	1300	87		1100	75		25-102	17		50
2,4-Dichlorophenol	ND	1490	1500	100		1200	81		30-130	22		50
2,4-Dimethylphenol	ND	1490	1400	94		1200	81		30-130	15		50
2-Nitrophenol	ND	1490	1400	94		1200	81		30-130	15		50
4-Nitrophenol	ND	1490	1400	94		1200	81		11-114	15		50

Matrix Spike Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKINSON
Project Number: 0136-013-007

Lab Number: L1530234
Report Date: 11/30/15

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): 01-09 QC Batch ID: WG844167-4 WG844167-5 QC Sample: L1530234-01 Client ID: BCP-MW-5(6-8)												
2,4-Dinitrophenol	ND	1490	700J	47		500J	34		4-130	33		50
4,6-Dinitro-o-cresol	ND	1490	1200	81		840	57		10-130	35		50
Pentachlorophenol	ND	1490	1100	74		920	62		17-109	18		50
Phenol	ND	1490	1200	81		1000	68		26-90	18		50
2-Methylphenol	ND	1490	1300	87		1100	75		30-130.	17		50
3-Methylphenol/4-Methylphenol	ND	1490	1400	94		1200	81		30-130	15		50
2,4,5-Trichlorophenol	ND	1490	1600	110		1200	81		30-130	29		50
Benzoic Acid	ND	1490	ND	0	Q	ND	0	Q	10-66	NC		50
Benzyl Alcohol	ND	1490	1400	94		1200	81		40-140	15		50
Carbazole	52.J	1490	1500	100		1300	88		54-128	14		50
Benzaldehyde	ND	1490	1300	87		1100	75		40-140	17		50
Caprolactam	ND	1490	1300	87		1100	75		15-130	17		50
Atrazine	ND	1490	1600	110		1400	95		40-140	13		50
2,3,4,6-Tetrachlorophenol	ND	1490	1400	94		1200	81		40-140	15		50
Pyridine	ND	1490	760	51		640J	43		10-93	17		50
1-Methylnaphthalene	ND	1490	1500	100		1200	81		26-130	22		50

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	92		76		10-136
2-Fluorobiphenyl	86		72		30-120

Matrix Spike Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKINSON
Project Number: 0136-013-007

Lab Number: L1530234
Report Date: 11/30/15

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG844167-4 WG844167-5 QC Sample: L1530234-01 Client ID: BCP-MW-5(6-8)

<i>Surrogate</i>	<i>MS % Recovery</i>	<i>Qualifier</i>	<i>MSD % Recovery</i>	<i>Qualifier</i>	<i>Acceptance Criteria</i>
2-Fluorophenol	79		66		25-120
4-Terphenyl-d14	86		74		18-120
Nitrobenzene-d5	87		73		23-120
Phenol-d6	79		66		10-120

Matrix Spike Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKINSON

Project Number: 0136-013-007

Lab Number: L1530234

Report Date: 11/30/15

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): 01-09 SS-7 QC Batch ID: WG844167-6 WG844167-7 QC Sample: L1530234-07 Client ID:												
Acenaphthene	ND	1810	1500	83		1500	85		31-137	0		50
Benzidine	ND	1810	380J	21		260J	15		10-66	38		50
n-Nitrosodimethylamine	ND	1810	1200	66		1100	62		22-100	9		50
1,2,4-Trichlorobenzene	ND	1810	1600	89		1500	85		38-107	6		50
Hexachlorobenzene	ND	1810	1700	94		1500	85		40-140	13		50
Bis(2-chloroethyl)ether	ND	1810	1300	72		1300	74		40-140	0		50
2-Chloronaphthalene	ND	1810	1600	89		1500	85		40-140	6		50
1,2-Dichlorobenzene	ND	1810	1400	77		1300	74		40-140	7		50
1,3-Dichlorobenzene	ND	1810	1300	72		1300	74		40-140	0		50
1,4-Dichlorobenzene	ND	1810	1400	77		1200	68		28-104	15		50
3,3'-Dichlorobenzidine	ND	1810	1600	89		1500	85		40-140	6		50
2,4-Dinitrotoluene	ND	1810	1900	110	Q	1800	100	Q	28-89	5		50
2,6-Dinitrotoluene	ND	1810	1700	94		1600	91		40-140	6		50
Fluoranthene	300	1810	2000	94		1900	91		40-140	5		50
4-Chlorophenyl phenyl ether	ND	1810	1600	89		1500	85		40-140	6		50
4-Bromophenyl phenyl ether	ND	1810	1900	110		1700	96		40-140	11		50
Azobenzene	ND	1810	1600	89		1500	85		40-140	6		50
Bis(2-chloroisopropyl)ether	ND	1810	1300	72		1200	68		40-140	8		50
Bis(2-chloroethoxy)methane	ND	1810	1500	83		1500	85		40-117	0		50
Hexachlorobutadiene	ND	1810	1600	89		1600	91		40-140	0		50
Hexachlorocyclopentadiene	ND	1810	610J	34	Q	490J	28	Q	40-140	22		50

Matrix Spike Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKINSON
Project Number: 0136-013-007

Lab Number: L1530234
Report Date: 11/30/15

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): 01-09 SS-7 QC Batch ID: WG844167-6 WG844167-7 QC Sample: L1530234-07 Client ID:												
Hexachloroethane	ND	1810	1500	83		1300	74		40-140	14		50
Isophorone	ND	1810	1500	83		1400	79		40-140	7		50
Naphthalene	ND	1810	1400	77		1300	74		40-140	7		50
Nitrobenzene	ND	1810	1600	89		1400	79		40-140	13		50
NitrosoDiPhenylAmine(NDPA)/DPA	ND	1810	1700	94		1600	91		36-157	6		50
n-Nitrosodi-n-propylamine	ND	1810	1400	77		1400	79		32-121	0		50
Bis(2-Ethylhexyl)phthalate	190J	1810	1700	94		1700	96		40-140	0		50
Butyl benzyl phthalate	ND	1810	1800	100		1700	96		40-140	6		50
Di-n-butylphthalate	ND	1810	1800	100		1700	96		40-140	6		50
Di-n-octylphthalate	ND	1810	1800	100		1700	96		40-140	6		50
Diethyl phthalate	ND	1810	1800	100		1700	96		40-140	6		50
Dimethyl phthalate	ND	1810	1600	89		1500	85		40-140	6		50
Benzo(a)anthracene	140	1810	1900	97		1800	94		40-140	5		50
Benzo(a)pyrene	180	1810	1700	94		1600	91		40-140	6		50
Benzo(b)fluoranthene	220	1810	1600	76		1600	78		40-140	0		50
Benzo(k)fluoranthene	67.J	1810	1600	89		1600	91		40-140	0		50
Chrysene	120J	1810	1600	89		1600	91		40-140	0		50
Acenaphthylene	ND	1810	1900	110		1700	96		40-140	11		50
Anthracene	ND	1810	1700	94		1600	91		40-140	6		50
Benzo(ghi)perylene	96.J	1810	1800	100		1700	96		40-140	6		50
Fluorene	ND	1810	1700	94		1600	91		40-140	6		50

Matrix Spike Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKINSON
Project Number: 0136-013-007

Lab Number: L1530234
Report Date: 11/30/15

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): 01-09 SS-7 QC Batch ID: WG844167-6 WG844167-7 QC Sample: L1530234-07 Client ID:												
Phenanthrene	120J	1810	1600	89		1500	85		40-140	6		50
Dibenzo(a,h)anthracene	61.J	1810	1600	89		1500	85		40-140	6		50
Indeno(1,2,3-cd)Pyrene	200	1810	1700	83		1700	85		40-140	0		50
Pyrene	220	1810	1800	87		1700	84		35-142	6		50
Biphenyl	ND	1810	1500	83		1400	79		54-104	7		50
Aniline	ND	1810	920	51		850	48		40-140	8		50
4-Chloroaniline	ND	1810	1700	94		1300	74		40-140	27		50
2-Nitroaniline	ND	1810	1900	110		1700	96		47-134	11		50
3-Nitroaniline	ND	1810	1400	77		1300	74		26-129	7		50
4-Nitroaniline	ND	1810	1500	83		1400	79		41-125	7		50
Dibenzofuran	ND	1810	1500	83		1400	79		40-140	7		50
2-Methylnaphthalene	ND	1810	1600	89		1500	85		40-140	6		50
1,2,4,5-Tetrachlorobenzene	ND	1810	1600	89		1500	85		40-117	6		50
Acetophenone	ND	1810	1600	89		1500	85		14-144	6		50
2,4,6-Trichlorophenol	ND	1810	2000	110		1800	100		30-130	11		50
P-Chloro-M-Cresol	ND	1810	1700	94		1500	85		26-103	13		50
2-Chlorophenol	ND	1810	1500	83		1400	79		25-102	7		50
2,4-Dichlorophenol	ND	1810	1800	100		1700	96		30-130	6		50
2,4-Dimethylphenol	ND	1810	1300	72		1200	68		30-130	8		50
2-Nitrophenol	ND	1810	1700	94		1600	91		30-130	6		50
4-Nitrophenol	ND	1810	1700	94		1600	91		11-114	6		50

Matrix Spike Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKINSON
Project Number: 0136-013-007

Lab Number: L1530234
Report Date: 11/30/15

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): 01-09 SS-7 QC Batch ID: WG844167-6 WG844167-7 QC Sample: L1530234-07 Client ID:												
2,4-Dinitrophenol	ND	1810	440J	24		400J	23		4-130	10		50
4,6-Dinitro-o-cresol	ND	1810	960	53		780	44		10-130	21		50
Pentachlorophenol	ND	1810	1300	72		1200	68		17-109	8		50
Phenol	ND	1810	1400	77		1300	74		26-90	7		50
2-Methylphenol	ND	1810	1400	77		1300	74		30-130.	7		50
3-Methylphenol/4-Methylphenol	ND	1810	1500	83		1400	79		30-130	7		50
2,4,5-Trichlorophenol	ND	1810	1900	110		1700	96		30-130	11		50
Benzoic Acid	ND	1810	ND	0	Q	ND	0	Q	10-66	NC		50
Benzyl Alcohol	ND	1810	1700	94		1600	91		40-140	6		50
Carbazole	ND	1810	1800	100		1700	96		54-128	6		50
Benzaldehyde	ND	1810	1500	83		1500	85		40-140	0		50
Caprolactam	ND	1810	1600	89		1500	85		15-130	6		50
Atrazine	ND	1810	2100	120		1900	110		40-140	10		50
2,3,4,6-Tetrachlorophenol	ND	1810	1700	94		1600	91		40-140	6		50
Pyridine	ND	1810	900	50		820J	47		10-93	9		50
1-Methylnaphthalene	ND	1810	1800	100		1600	91		26-130	12		50

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	89		86		10-136
2-Fluorobiphenyl	86		80		30-120

Matrix Spike Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKINSON
Project Number: 0136-013-007

Lab Number: L1530234
Report Date: 11/30/15

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 SS-7 QC Batch ID: WG844167-6 WG844167-7 QC Sample: L1530234-07 Client ID:

<i>Surrogate</i>	<i>MS % Recovery</i>	<i>Qualifier</i>	<i>MSD % Recovery</i>	<i>Qualifier</i>	<i>Acceptance Criteria</i>
2-Fluorophenol	70		68		25-120
4-Terphenyl-d14	84		79		18-120
Nitrobenzene-d5	87		84		23-120
Phenol-d6	73		72		10-120

PCBS

Project Name: 15 LARIVIERE & 20 WILKINSON
Project Number: 0136-013-007

Lab Number: L1530234
Report Date: 11/30/15

SAMPLE RESULTS

Lab ID: L1530234-01
Client ID: BCP-MW-5(6-8)
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/27/15 20:29
Analyst: JT
Percent Solids: 89%

Date Collected: 11/17/15 13:07
Date Received: 11/18/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/24/15 20:46
Cleanup Method: EPA 3665A
Cleanup Date: 11/25/15
Cleanup Method: EPA 3660B
Cleanup Date: 11/25/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.2	2.86	1	A
Aroclor 1221	ND		ug/kg	36.2	3.34	1	A
Aroclor 1232	ND		ug/kg	36.2	4.24	1	A
Aroclor 1242	ND		ug/kg	36.2	4.43	1	A
Aroclor 1248	ND		ug/kg	36.2	3.06	1	A
Aroclor 1254	ND		ug/kg	36.2	2.98	1	A
Aroclor 1260	ND		ug/kg	36.2	2.76	1	A
Aroclor 1262	ND		ug/kg	36.2	1.80	1	A
Aroclor 1268	ND		ug/kg	36.2	5.25	1	A
PCBs, Total	ND		ug/kg	36.2	1.80	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	52		30-150	B

Project Name: 15 LARIVIERE & 20 WILKINSON
Project Number: 0136-013-007

Lab Number: L1530234
Report Date: 11/30/15

SAMPLE RESULTS

Lab ID: L1530234-02
Client ID: SS-1
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/27/15 22:16
Analyst: JT
Percent Solids: 73%

Date Collected: 11/17/15 08:45
Date Received: 11/18/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/25/15 23:51
Cleanup Method: EPA 3665A
Cleanup Date: 11/27/15
Cleanup Method: EPA 3660B
Cleanup Date: 11/27/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	44.9	3.54	1	A
Aroclor 1221	ND		ug/kg	44.9	4.14	1	A
Aroclor 1232	ND		ug/kg	44.9	5.26	1	A
Aroclor 1242	ND		ug/kg	44.9	5.49	1	A
Aroclor 1248	ND		ug/kg	44.9	3.79	1	A
Aroclor 1254	ND		ug/kg	44.9	3.69	1	A
Aroclor 1260	ND		ug/kg	44.9	3.42	1	A
Aroclor 1262	ND		ug/kg	44.9	2.22	1	A
Aroclor 1268	ND		ug/kg	44.9	6.50	1	A
PCBs, Total	ND		ug/kg	44.9	2.22	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	45		30-150	A
Decachlorobiphenyl	36		30-150	A
2,4,5,6-Tetrachloro-m-xylene	43		30-150	B
Decachlorobiphenyl	34		30-150	B

Project Name: 15 LARIVIERE & 20 WILKINSON**Lab Number:** L1530234**Project Number:** 0136-013-007**Report Date:** 11/30/15**SAMPLE RESULTS**

Lab ID: L1530234-03
Client ID: SS-4
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/25/15 19:31
Analyst: JT
Percent Solids: 86%

Date Collected: 11/17/15 15:45
Date Received: 11/18/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/24/15 20:46
Cleanup Method: EPA 3665A
Cleanup Date: 11/25/15
Cleanup Method: EPA 3660B
Cleanup Date: 11/25/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.7	2.90	1	A
Aroclor 1221	ND		ug/kg	36.7	3.38	1	A
Aroclor 1232	ND		ug/kg	36.7	4.30	1	A
Aroclor 1242	ND		ug/kg	36.7	4.49	1	A
Aroclor 1248	ND		ug/kg	36.7	3.10	1	A
Aroclor 1254	ND		ug/kg	36.7	3.02	1	A
Aroclor 1260	18.9	J	ug/kg	36.7	2.80	1	A
Aroclor 1262	ND		ug/kg	36.7	1.82	1	A
Aroclor 1268	ND		ug/kg	36.7	5.32	1	A
PCBs, Total	18.9	J	ug/kg	36.7	1.82	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	51		30-150	A
Decachlorobiphenyl	37		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		30-150	B
Decachlorobiphenyl	35		30-150	B

Project Name: 15 LARIVIERE & 20 WILKINSON
Project Number: 0136-013-007

Lab Number: L1530234
Report Date: 11/30/15

SAMPLE RESULTS

Lab ID: L1530234-04
Client ID: SS-5
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/27/15 22:29
Analyst: JT
Percent Solids: 76%

Date Collected: 11/17/15 15:48
Date Received: 11/18/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/25/15 23:51
Cleanup Method: EPA 3665A
Cleanup Date: 11/27/15
Cleanup Method: EPA 3660B
Cleanup Date: 11/27/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	42.6	3.36	1	A
Aroclor 1221	ND		ug/kg	42.6	3.92	1	A
Aroclor 1232	ND		ug/kg	42.6	4.99	1	A
Aroclor 1242	ND		ug/kg	42.6	5.21	1	A
Aroclor 1248	ND		ug/kg	42.6	3.59	1	A
Aroclor 1254	ND		ug/kg	42.6	3.50	1	A
Aroclor 1260	42.1	J	ug/kg	42.6	3.24	1	B
Aroclor 1262	ND		ug/kg	42.6	2.11	1	A
Aroclor 1268	ND		ug/kg	42.6	6.17	1	A
PCBs, Total	42.1	J	ug/kg	42.6	2.11	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	48		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	47		30-150	B

Project Name: 15 LARIVIERE & 20 WILKINSON
Project Number: 0136-013-007

Lab Number: L1530234
Report Date: 11/30/15

SAMPLE RESULTS

Lab ID: L1530234-05
Client ID: SS-6
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/27/15 22:42
Analyst: JT
Percent Solids: 79%

Date Collected: 11/17/15 15:34
Date Received: 11/18/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/25/15 23:51
Cleanup Method: EPA 3665A
Cleanup Date: 11/27/15
Cleanup Method: EPA 3660B
Cleanup Date: 11/27/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.6	3.28	1	A
Aroclor 1221	ND		ug/kg	41.6	3.83	1	A
Aroclor 1232	ND		ug/kg	41.6	4.87	1	A
Aroclor 1242	ND		ug/kg	41.6	5.09	1	A
Aroclor 1248	ND		ug/kg	41.6	3.51	1	A
Aroclor 1254	ND		ug/kg	41.6	3.42	1	A
Aroclor 1260	12.8	J	ug/kg	41.6	3.17	1	A
Aroclor 1262	ND		ug/kg	41.6	2.06	1	A
Aroclor 1268	ND		ug/kg	41.6	6.03	1	A
PCBs, Total	12.8	J	ug/kg	41.6	2.06	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	47		30-150	A
Decachlorobiphenyl	36		30-150	A
2,4,5,6-Tetrachloro-m-xylene	45		30-150	B
Decachlorobiphenyl	34		30-150	B

Project Name: 15 LARIVIERE & 20 WILKINSON
Project Number: 0136-013-007

Lab Number: L1530234
Report Date: 11/30/15

SAMPLE RESULTS

Lab ID: L1530234-06
Client ID: BLIND DUP #2
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/25/15 20:12
Analyst: JT
Percent Solids: 76%

Date Collected: 11/17/15 12:00
Date Received: 11/18/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/24/15 20:46
Cleanup Method: EPA 3665A
Cleanup Date: 11/25/15
Cleanup Method: EPA 3660B
Cleanup Date: 11/25/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.6	3.29	1	A
Aroclor 1221	ND		ug/kg	41.6	3.84	1	A
Aroclor 1232	ND		ug/kg	41.6	4.88	1	A
Aroclor 1242	ND		ug/kg	41.6	5.10	1	A
Aroclor 1248	ND		ug/kg	41.6	3.51	1	A
Aroclor 1254	ND		ug/kg	41.6	3.42	1	A
Aroclor 1260	ND		ug/kg	41.6	3.17	1	A
Aroclor 1262	ND		ug/kg	41.6	2.06	1	A
Aroclor 1268	ND		ug/kg	41.6	6.04	1	A
PCBs, Total	ND		ug/kg	41.6	2.06	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	40		30-150	A
Decachlorobiphenyl	32		30-150	A
2,4,5,6-Tetrachloro-m-xylene	45		30-150	B
Decachlorobiphenyl	32		30-150	B

Project Name: 15 LARIVIERE & 20 WILKINSON
Project Number: 0136-013-007

Lab Number: L1530234
Report Date: 11/30/15

SAMPLE RESULTS

Lab ID: L1530234-07
Client ID: SS-7
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/27/15 22:56
Analyst: JT
Percent Solids: 73%

Date Collected: 11/17/15 15:25
Date Received: 11/18/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/25/15 23:51
Cleanup Method: EPA 3665A
Cleanup Date: 11/27/15
Cleanup Method: EPA 3660B
Cleanup Date: 11/27/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	44.7	3.53	1	A
Aroclor 1221	ND		ug/kg	44.7	4.12	1	A
Aroclor 1232	ND		ug/kg	44.7	5.24	1	A
Aroclor 1242	ND		ug/kg	44.7	5.47	1	A
Aroclor 1248	ND		ug/kg	44.7	3.77	1	A
Aroclor 1254	ND		ug/kg	44.7	3.67	1	A
Aroclor 1260	ND		ug/kg	44.7	3.40	1	A
Aroclor 1262	ND		ug/kg	44.7	2.22	1	A
Aroclor 1268	ND		ug/kg	44.7	6.48	1	A
PCBs, Total	ND		ug/kg	44.7	2.22	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	43		30-150	A
Decachlorobiphenyl	35		30-150	A
2,4,5,6-Tetrachloro-m-xylene	42		30-150	B
Decachlorobiphenyl	34		30-150	B

Project Name: 15 LARIVIERE & 20 WILKINSON
Project Number: 0136-013-007

Lab Number: L1530234
Report Date: 11/30/15

SAMPLE RESULTS

Lab ID: L1530234-08
Client ID: SS-8
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/27/15 23:09
Analyst: JT
Percent Solids: 73%

Date Collected: 11/17/15 15:35
Date Received: 11/18/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/25/15 23:51
Cleanup Method: EPA 3665A
Cleanup Date: 11/27/15
Cleanup Method: EPA 3660B
Cleanup Date: 11/27/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	44.8	3.54	1	A
Aroclor 1221	ND		ug/kg	44.8	4.13	1	A
Aroclor 1232	ND		ug/kg	44.8	5.26	1	A
Aroclor 1242	ND		ug/kg	44.8	5.49	1	A
Aroclor 1248	ND		ug/kg	44.8	3.78	1	A
Aroclor 1254	ND		ug/kg	44.8	3.68	1	A
Aroclor 1260	66.4		ug/kg	44.8	3.42	1	A
Aroclor 1262	ND		ug/kg	44.8	2.22	1	A
Aroclor 1268	ND		ug/kg	44.8	6.50	1	A
PCBs, Total	66.4		ug/kg	44.8	2.22	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	40		30-150	A
Decachlorobiphenyl	38		30-150	A
2,4,5,6-Tetrachloro-m-xylene	39		30-150	B
Decachlorobiphenyl	35		30-150	B

Project Name: 15 LARIVIERE & 20 WILKINSON
Project Number: 0136-013-007

Lab Number: L1530234
Report Date: 11/30/15

SAMPLE RESULTS

Lab ID: L1530234-09
Client ID: SS-9
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/25/15 20:51
Analyst: JT
Percent Solids: 77%

Date Collected: 11/17/15 15:52
Date Received: 11/18/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/24/15 20:47
Cleanup Method: EPA 3665A
Cleanup Date: 11/25/15
Cleanup Method: EPA 3660B
Cleanup Date: 11/25/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.3	3.26	1	A
Aroclor 1221	ND		ug/kg	41.3	3.81	1	A
Aroclor 1232	ND		ug/kg	41.3	4.84	1	A
Aroclor 1242	ND		ug/kg	41.3	5.05	1	A
Aroclor 1248	ND		ug/kg	41.3	3.48	1	A
Aroclor 1254	ND		ug/kg	41.3	3.39	1	A
Aroclor 1260	14.1	J	ug/kg	41.3	3.14	1	B
Aroclor 1262	ND		ug/kg	41.3	2.05	1	A
Aroclor 1268	ND		ug/kg	41.3	5.98	1	A
PCBs, Total	14.1	J	ug/kg	41.3	2.05	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	39		30-150	A
Decachlorobiphenyl	32		30-150	A
2,4,5,6-Tetrachloro-m-xylene	43		30-150	B
Decachlorobiphenyl	32		30-150	B

Project Name: 15 LARIVIERE & 20 WILKINSON**Lab Number:** L1530234**Project Number:** 0136-013-007**Report Date:** 11/30/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 11/25/15 11:51
 Analyst: JT

Extraction Method: EPA 3546
 Extraction Date: 11/24/15 20:46
 Cleanup Method: EPA 3665A
 Cleanup Date: 11/25/15
 Cleanup Method: EPA 3660B
 Cleanup Date: 11/25/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01,03,06,09 Batch: WG844093-1						
Aroclor 1016	ND		ug/kg	31.9	2.52	A
Aroclor 1221	ND		ug/kg	31.9	2.94	A
Aroclor 1232	ND		ug/kg	31.9	3.74	A
Aroclor 1242	ND		ug/kg	31.9	3.91	A
Aroclor 1248	ND		ug/kg	31.9	2.69	A
Aroclor 1254	11.4	J	ug/kg	31.9	2.62	A
Aroclor 1260	ND		ug/kg	31.9	2.43	A
Aroclor 1262	ND		ug/kg	31.9	1.58	A
Aroclor 1268	ND		ug/kg	31.9	4.63	A
PCBs, Total	11.4	J	ug/kg	31.9	1.58	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	48		30-150	B

Project Name: 15 LARIVIERE & 20 WILKINSON**Lab Number:** L1530234**Project Number:** 0136-013-007**Report Date:** 11/30/15**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8082A
 Analytical Date: 11/27/15 21:09
 Analyst: JT

Extraction Method: EPA 3546
 Extraction Date: 11/25/15 23:51
 Cleanup Method: EPA 3665A
 Cleanup Date: 11/27/15
 Cleanup Method: EPA 3660B
 Cleanup Date: 11/27/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02,04-05,07-08 Batch: WG844547-1						
Aroclor 1016	ND		ug/kg	32.1	2.54	A
Aroclor 1221	ND		ug/kg	32.1	2.96	A
Aroclor 1232	ND		ug/kg	32.1	3.76	A
Aroclor 1242	ND		ug/kg	32.1	3.93	A
Aroclor 1248	ND		ug/kg	32.1	2.71	A
Aroclor 1254	ND		ug/kg	32.1	2.64	A
Aroclor 1260	ND		ug/kg	32.1	2.44	A
Aroclor 1262	ND		ug/kg	32.1	1.59	A
Aroclor 1268	ND		ug/kg	32.1	4.65	A
PCBs, Total	ND		ug/kg	32.1	1.59	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	44		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKINSON
Project Number: 0136-013-007

Lab Number: L1530234
Report Date: 11/30/15

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>	<i>Column</i>
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01,03,06,09 QC Batch ID: WG844093-4 WG844093-5 QC Sample: L1530234-01 Client ID: BCP-MW-5(6-8)													
Aroclor 1016	ND	224	108	48		95.3	43		40-140	12		50	A
Aroclor 1260	ND	224	74.3	33	Q	67.0	30	Q	40-140	10		50	A

<i>Surrogate</i>	<i>MS % Recovery</i>	<i>Qualifier</i>	<i>MSD % Recovery</i>	<i>Qualifier</i>	<i>Acceptance Criteria</i>	<i>Column</i>
2,4,5,6-Tetrachloro-m-xylene	49		46		30-150	A
Decachlorobiphenyl	42		37		30-150	A
2,4,5,6-Tetrachloro-m-xylene	43		40		30-150	B
Decachlorobiphenyl	37		34		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKINSON
Project Number: 0136-013-007

Lab Number: L1530234
Report Date: 11/30/15

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>	<i>Column</i>
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02,04-05,07-08 QC Batch ID: WG844547-4 WG844547-5 QC Sample: L1530234-07 Client ID: SS-7													
Aroclor 1016	ND	267	116	44		75.4	28	Q	40-140	42		50	A
Aroclor 1260	ND	267	79.2	30	Q	58.2	21	Q	40-140	31		50	A

<i>Surrogate</i>	<i>MS % Recovery</i>	<i>Qualifier</i>	<i>MSD % Recovery</i>	<i>Qualifier</i>	<i>Acceptance Criteria</i>	<i>Column</i>
2,4,5,6-Tetrachloro-m-xylene	42		25	Q	30-150	A
Decachlorobiphenyl	29	Q	19	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	42		25	Q	30-150	B
Decachlorobiphenyl	29	Q	19	Q	30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKINSON

Lab Number: L1530234

Project Number: 0136-013-007

Report Date: 11/30/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01,03,06,09 Batch: WG844093-2 WG844093-3									
Aroclor 1016	54		60		40-140	11		50	A
Aroclor 1260	48		57		40-140	17		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		64		30-150	A
Decachlorobiphenyl	51		63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		65		30-150	B
Decachlorobiphenyl	55		66		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKINSON

Lab Number: L1530234

Project Number: 0136-013-007

Report Date: 11/30/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02,04-05,07-08 Batch: WG844547-2 WG844547-3									
Aroclor 1016	65		68		40-140	5		50	A
Aroclor 1260	44		44		40-140	0		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		71		30-150	A
Decachlorobiphenyl	53		50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		71		30-150	B
Decachlorobiphenyl	56		51		30-150	B

PESTICIDES

Project Name: 15 LARIVIERE & 20 WILKINSON**Lab Number:** L1530234**Project Number:** 0136-013-007**Report Date:** 11/30/15**SAMPLE RESULTS**

Lab ID: L1530234-01
Client ID: BCP-MW-5(6-8)
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/25/15 15:41
Analyst: KE
Percent Solids: 89%

Date Collected: 11/17/15 13:07
Date Received: 11/18/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/24/15 20:50
Cleanup Method: EPA 3620B
Cleanup Date: 11/25/15

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	0.721	0.322	1	A
Alpha-BHC	ND		ug/kg	0.721	0.205	1	A
Beta-BHC	ND		ug/kg	1.73	0.656	1	A
Heptachlor	ND		ug/kg	0.865	0.388	1	A
Aldrin	ND		ug/kg	1.73	0.609	1	A
Heptachlor epoxide	ND		ug/kg	3.24	0.973	1	A
Endrin	ND		ug/kg	0.721	0.296	1	A
Endrin aldehyde	ND		ug/kg	2.16	0.757	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	0.617	1	A
4,4'-DDT	ND		ug/kg	3.24	1.39	1	A
Endosulfan I	ND		ug/kg	1.73	0.409	1	A
Endosulfan II	ND		ug/kg	1.73	0.578	1	A
Endosulfan sulfate	ND		ug/kg	0.721	0.343	1	A
Methoxychlor	ND		ug/kg	3.24	1.01	1	A
Toxaphene	ND		ug/kg	32.4	9.08	1	A
cis-Chlordane	ND		ug/kg	2.16	0.603	1	A
trans-Chlordane	ND		ug/kg	2.16	0.571	1	A
Chlordane	ND		ug/kg	14.0	5.73	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	B
Decachlorobiphenyl	88		30-150	B
2,4,5,6-Tetrachloro-m-xylene	102		30-150	A
Decachlorobiphenyl	77		30-150	A

Project Name: 15 LARIVIERE & 20 WILKINSON
Project Number: 0136-013-007

Lab Number: L1530234
Report Date: 11/30/15

SAMPLE RESULTS

Lab ID: L1530234-01
Client ID: BCP-MW-5(6-8)
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 11/25/15 22:49
Analyst: EC
Percent Solids: 89%
Methylation Date: 11/25/15 17:00

Date Collected: 11/17/15 13:07
Date Received: 11/18/15
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 11/24/15 18:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	185	11.6	1	A
2,4,5-T	ND		ug/kg	185	5.74	1	A
2,4,5-TP (Silvex)	ND		ug/kg	185	4.92	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	64		30-150	A
DCAA	56		30-150	B

Project Name: 15 LARIVIERE & 20 WILKINSON**Lab Number:** L1530234**Project Number:** 0136-013-007**Report Date:** 11/30/15**SAMPLE RESULTS**

Lab ID: L1530234-02
Client ID: SS-1
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/25/15 16:11
Analyst: KE
Percent Solids: 73%

Date Collected: 11/17/15 08:45
Date Received: 11/18/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/24/15 20:50
Cleanup Method: EPA 3620B
Cleanup Date: 11/25/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.06	0.404	1	A
Lindane	ND		ug/kg	0.861	0.385	1	A
Alpha-BHC	ND		ug/kg	0.861	0.244	1	A
Beta-BHC	ND		ug/kg	2.06	0.783	1	A
Heptachlor	ND		ug/kg	1.03	0.463	1	A
Aldrin	ND		ug/kg	2.06	0.727	1	A
Heptachlor epoxide	ND		ug/kg	3.87	1.16	1	A
Endrin	ND		ug/kg	0.861	0.353	1	A
Endrin aldehyde	ND		ug/kg	2.58	0.904	1	A
Endrin ketone	ND		ug/kg	2.06	0.532	1	A
Dieldrin	ND		ug/kg	1.29	0.646	1	A
4,4'-DDE	4.24		ug/kg	2.06	0.478	1	A
4,4'-DDD	ND		ug/kg	2.06	0.737	1	B
4,4'-DDT	6.52		ug/kg	3.87	1.66	1	A
Endosulfan I	ND		ug/kg	2.06	0.488	1	A
Endosulfan II	ND		ug/kg	2.06	0.690	1	A
Endosulfan sulfate	ND		ug/kg	0.861	0.410	1	A
Methoxychlor	ND		ug/kg	3.87	1.20	1	A
Toxaphene	ND		ug/kg	38.7	10.8	1	A
cis-Chlordane	ND		ug/kg	2.58	0.720	1	A
trans-Chlordane	ND		ug/kg	2.58	0.682	1	A
Chlordane	ND		ug/kg	16.8	6.84	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	94		30-150	B
2,4,5,6-Tetrachloro-m-xylene	92		30-150	A
Decachlorobiphenyl	86		30-150	A

Project Name: 15 LARIVIERE & 20 WILKINSON
Project Number: 0136-013-007

Lab Number: L1530234
Report Date: 11/30/15

SAMPLE RESULTS

Lab ID: L1530234-02
Client ID: SS-1
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 11/25/15 23:09
Analyst: EC
Percent Solids: 73%
Methylation Date: 11/25/15 17:00

Date Collected: 11/17/15 08:45
Date Received: 11/18/15
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 11/24/15 18:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	228	14.4	1	A
2,4,5-T	ND		ug/kg	228	7.07	1	A
2,4,5-TP (Silvex)	ND		ug/kg	228	6.06	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	74		30-150	A
DCAA	68		30-150	B

Project Name: 15 LARIVIERE & 20 WILKINSON**Lab Number:** L1530234**Project Number:** 0136-013-007**Report Date:** 11/30/15**SAMPLE RESULTS**

Lab ID: L1530234-03
Client ID: SS-4
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/25/15 16:42
Analyst: KE
Percent Solids: 86%

Date Collected: 11/17/15 15:45
Date Received: 11/18/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/24/15 20:50
Cleanup Method: EPA 3620B
Cleanup Date: 11/25/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.76	0.346	1	A
Lindane	ND		ug/kg	0.735	0.329	1	A
Alpha-BHC	ND		ug/kg	0.735	0.209	1	A
Beta-BHC	ND		ug/kg	1.76	0.669	1	A
Heptachlor	ND		ug/kg	0.882	0.395	1	A
Aldrin	ND		ug/kg	1.76	0.621	1	A
Heptachlor epoxide	1.71	J	ug/kg	3.31	0.992	1	B
Endrin	ND		ug/kg	0.735	0.301	1	A
Endrin aldehyde	ND		ug/kg	2.20	0.772	1	A
Endrin ketone	ND		ug/kg	1.76	0.454	1	A
Dieldrin	0.829	JPI	ug/kg	1.10	0.551	1	B
4,4'-DDE	117		ug/kg	1.76	0.408	1	A
4,4'-DDD	6.20		ug/kg	1.76	0.629	1	A
4,4'-DDT	76.5		ug/kg	3.31	1.42	1	B
Endosulfan I	ND		ug/kg	1.76	0.417	1	A
Endosulfan II	ND		ug/kg	1.76	0.590	1	A
Endosulfan sulfate	ND		ug/kg	0.735	0.350	1	A
Methoxychlor	ND		ug/kg	3.31	1.03	1	A
Toxaphene	ND		ug/kg	33.1	9.26	1	A
cis-Chlordane	ND		ug/kg	2.20	0.614	1	A
trans-Chlordane	ND		ug/kg	2.20	0.582	1	A
Chlordane	ND		ug/kg	14.3	5.84	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	86		30-150	B
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	80		30-150	A

Project Name: 15 LARIVIERE & 20 WILKINSON
Project Number: 0136-013-007

Lab Number: L1530234
Report Date: 11/30/15

SAMPLE RESULTS

Lab ID: L1530234-03
Client ID: SS-4
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 11/25/15 23:28
Analyst: EC
Percent Solids: 86%
Methylation Date: 11/25/15 17:00

Date Collected: 11/17/15 15:45
Date Received: 11/18/15
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 11/24/15 18:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	192	12.1	1	A
2,4,5-T	ND		ug/kg	192	5.94	1	A
2,4,5-TP (Silvex)	ND		ug/kg	192	5.10	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	71		30-150	A
DCAA	60		30-150	B

Project Name: 15 LARIVIERE & 20 WILKINSON**Lab Number:** L1530234**Project Number:** 0136-013-007**Report Date:** 11/30/15**SAMPLE RESULTS**

Lab ID: L1530234-04
Client ID: SS-5
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/25/15 16:58
Analyst: KE
Percent Solids: 76%

Date Collected: 11/17/15 15:48
Date Received: 11/18/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/24/15 20:50
Cleanup Method: EPA 3620B
Cleanup Date: 11/25/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.04	0.399	1	A
Lindane	ND		ug/kg	0.849	0.380	1	A
Alpha-BHC	ND		ug/kg	0.849	0.241	1	A
Beta-BHC	ND		ug/kg	2.04	0.773	1	A
Heptachlor	ND		ug/kg	1.02	0.457	1	A
Aldrin	ND		ug/kg	2.04	0.717	1	A
Heptachlor epoxide	ND		ug/kg	3.82	1.15	1	B
Endrin	ND		ug/kg	0.849	0.348	1	A
Endrin aldehyde	ND		ug/kg	2.55	0.891	1	A
Endrin ketone	ND		ug/kg	2.04	0.525	1	A
Dieldrin	1.23	JPI	ug/kg	1.27	0.637	1	B
4,4'-DDE	39.5		ug/kg	2.04	0.471	1	A
4,4'-DDD	2.15		ug/kg	2.04	0.727	1	A
4,4'-DDT	26.9		ug/kg	3.82	1.64	1	B
Endosulfan I	ND		ug/kg	2.04	0.481	1	A
Endosulfan II	ND		ug/kg	2.04	0.681	1	A
Endosulfan sulfate	ND		ug/kg	0.849	0.404	1	A
Methoxychlor	ND		ug/kg	3.82	1.19	1	A
Toxaphene	ND		ug/kg	38.2	10.7	1	A
cis-Chlordane	ND		ug/kg	2.55	0.710	1	A
trans-Chlordane	ND		ug/kg	2.55	0.672	1	A
Chlordane	ND		ug/kg	16.6	6.75	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	96		30-150	B
2,4,5,6-Tetrachloro-m-xylene	92		30-150	A
Decachlorobiphenyl	86		30-150	A

Project Name: 15 LARIVIERE & 20 WILKINSON
Project Number: 0136-013-007

Lab Number: L1530234
Report Date: 11/30/15

SAMPLE RESULTS

Lab ID: L1530234-04
Client ID: SS-5
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 11/26/15 00:07
Analyst: EC
Percent Solids: 76%
Methylation Date: 11/25/15 17:00

Date Collected: 11/17/15 15:48
Date Received: 11/18/15
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 11/24/15 18:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	218	13.8	1	A
2,4,5-T	ND		ug/kg	218	6.78	1	A
2,4,5-TP (Silvex)	ND		ug/kg	218	5.81	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	79		30-150	A
DCAA	72		30-150	B

Project Name: 15 LARIVIERE & 20 WILKINSON**Lab Number:** L1530234**Project Number:** 0136-013-007**Report Date:** 11/30/15**SAMPLE RESULTS**

Lab ID: L1530234-05
Client ID: SS-6
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/25/15 17:14
Analyst: KE
Percent Solids: 79%

Date Collected: 11/17/15 15:34
Date Received: 11/18/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/24/15 20:50
Cleanup Method: EPA 3620B
Cleanup Date: 11/25/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.93	0.378	1	A
Lindane	ND		ug/kg	0.804	0.359	1	A
Alpha-BHC	ND		ug/kg	0.804	0.228	1	A
Beta-BHC	ND		ug/kg	1.93	0.732	1	A
Heptachlor	ND		ug/kg	0.965	0.433	1	A
Aldrin	ND		ug/kg	1.93	0.680	1	A
Heptachlor epoxide	ND		ug/kg	3.62	1.08	1	B
Endrin	ND		ug/kg	0.804	0.330	1	A
Endrin aldehyde	ND		ug/kg	2.41	0.844	1	A
Endrin ketone	ND		ug/kg	1.93	0.497	1	A
Dieldrin	ND	PI	ug/kg	1.21	0.603	1	B
4,4'-DDE	61.5		ug/kg	1.93	0.446	1	A
4,4'-DDD	1.67	J	ug/kg	1.93	0.688	1	B
4,4'-DDT	34.5		ug/kg	3.62	1.55	1	B
Endosulfan I	ND		ug/kg	1.93	0.456	1	A
Endosulfan II	ND		ug/kg	1.93	0.645	1	A
Endosulfan sulfate	ND		ug/kg	0.804	0.383	1	A
Methoxychlor	ND		ug/kg	3.62	1.12	1	A
Toxaphene	ND		ug/kg	36.2	10.1	1	A
cis-Chlordane	ND		ug/kg	2.41	0.672	1	A
trans-Chlordane	ND		ug/kg	2.41	0.637	1	A
Chlordane	ND		ug/kg	15.7	6.39	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	87		30-150	B
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	78		30-150	A

Project Name: 15 LARIVIERE & 20 WILKINSON
Project Number: 0136-013-007

Lab Number: L1530234
Report Date: 11/30/15

SAMPLE RESULTS

Lab ID: L1530234-05
Client ID: SS-6
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 11/26/15 00:27
Analyst: EC
Percent Solids: 79%
Methylation Date: 11/25/15 17:00

Date Collected: 11/17/15 15:34
Date Received: 11/18/15
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 11/24/15 18:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	207	13.1	1	A
2,4,5-T	ND		ug/kg	207	6.43	1	A
2,4,5-TP (Silvex)	ND		ug/kg	207	5.52	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	68		30-150	A
DCAA	64		30-150	B

Project Name: 15 LARIVIERE & 20 WILKINSON**Lab Number:** L1530234**Project Number:** 0136-013-007**Report Date:** 11/30/15**SAMPLE RESULTS**

Lab ID: L1530234-06
Client ID: BLIND DUP #2
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/25/15 17:30
Analyst: KE
Percent Solids: 76%

Date Collected: 11/17/15 12:00
Date Received: 11/18/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/24/15 20:50
Cleanup Method: EPA 3620B
Cleanup Date: 11/25/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.98	0.388	1	A
Lindane	ND		ug/kg	0.826	0.369	1	A
Alpha-BHC	ND		ug/kg	0.826	0.234	1	A
Beta-BHC	ND		ug/kg	1.98	0.751	1	A
Heptachlor	ND		ug/kg	0.991	0.444	1	A
Aldrin	ND		ug/kg	1.98	0.698	1	A
Heptachlor epoxide	ND		ug/kg	3.71	1.11	1	A
Endrin	ND		ug/kg	0.826	0.338	1	A
Endrin aldehyde	ND		ug/kg	2.48	0.867	1	A
Endrin ketone	ND		ug/kg	1.98	0.510	1	A
Dieldrin	ND	PI	ug/kg	1.24	0.619	1	B
4,4'-DDE	85.9		ug/kg	1.98	0.458	1	A
4,4'-DDD	2.01		ug/kg	1.98	0.707	1	B
4,4'-DDT	49.6		ug/kg	3.71	1.59	1	B
Endosulfan I	ND		ug/kg	1.98	0.468	1	A
Endosulfan II	ND		ug/kg	1.98	0.662	1	A
Endosulfan sulfate	ND		ug/kg	0.826	0.393	1	A
Methoxychlor	ND		ug/kg	3.71	1.16	1	A
Toxaphene	ND		ug/kg	37.1	10.4	1	A
cis-Chlordane	ND		ug/kg	2.48	0.690	1	A
trans-Chlordane	ND		ug/kg	2.48	0.654	1	A
Chlordane	ND		ug/kg	16.1	6.56	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	90		30-150	B
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	81		30-150	A

Project Name: 15 LARIVIERE & 20 WILKINSON
Project Number: 0136-013-007

Lab Number: L1530234
Report Date: 11/30/15

SAMPLE RESULTS

Lab ID: L1530234-06
Client ID: BLIND DUP #2
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 11/26/15 00:46
Analyst: EC
Percent Solids: 76%
Methylation Date: 11/25/15 17:00

Date Collected: 11/17/15 12:00
Date Received: 11/18/15
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 11/24/15 18:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	216	13.6	1	A
2,4,5-T	ND		ug/kg	216	6.69	1	A
2,4,5-TP (Silvex)	ND		ug/kg	216	5.74	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	81		30-150	A
DCAA	75		30-150	B

Project Name: 15 LARIVIERE & 20 WILKINSON**Lab Number:** L1530234**Project Number:** 0136-013-007**Report Date:** 11/30/15**SAMPLE RESULTS**

Lab ID: L1530234-07
Client ID: SS-7
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/25/15 15:56
Analyst: KE
Percent Solids: 73%

Date Collected: 11/17/15 15:25
Date Received: 11/18/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/24/15 20:50
Cleanup Method: EPA 3620B
Cleanup Date: 11/25/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.07	0.406	1	A
Lindane	ND		ug/kg	0.863	0.386	1	A
Alpha-BHC	ND		ug/kg	0.863	0.245	1	A
Beta-BHC	ND		ug/kg	2.07	0.786	1	A
Heptachlor	ND		ug/kg	1.04	0.464	1	A
Aldrin	ND		ug/kg	2.07	0.730	1	A
Heptachlor epoxide	ND		ug/kg	3.88	1.16	1	A
Endrin	ND		ug/kg	0.863	0.354	1	A
Endrin aldehyde	ND		ug/kg	2.59	0.907	1	A
Endrin ketone	ND		ug/kg	2.07	0.534	1	A
Dieldrin	ND		ug/kg	1.30	0.648	1	A
4,4'-DDE	48.5		ug/kg	2.07	0.479	1	A
4,4'-DDD	1.42	J	ug/kg	2.07	0.739	1	A
4,4'-DDT	21.6		ug/kg	3.88	1.67	1	A
Endosulfan I	ND		ug/kg	2.07	0.490	1	A
Endosulfan II	ND		ug/kg	2.07	0.692	1	A
Endosulfan sulfate	ND		ug/kg	0.863	0.411	1	A
Methoxychlor	ND		ug/kg	3.88	1.21	1	A
Toxaphene	ND		ug/kg	38.8	10.9	1	A
cis-Chlordane	ND		ug/kg	2.59	0.722	1	A
trans-Chlordane	ND		ug/kg	2.59	0.684	1	A
Chlordane	ND		ug/kg	16.8	6.86	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	79		30-150	B
2,4,5,6-Tetrachloro-m-xylene	98		30-150	A
Decachlorobiphenyl	78		30-150	A

Project Name: 15 LARIVIERE & 20 WILKINSON
Project Number: 0136-013-007

Lab Number: L1530234
Report Date: 11/30/15

SAMPLE RESULTS

Lab ID: L1530234-07
Client ID: SS-7
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 11/26/15 01:06
Analyst: EC
Percent Solids: 73%
Methylation Date: 11/25/15 17:00

Date Collected: 11/17/15 15:25
Date Received: 11/18/15
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 11/24/15 18:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	225	14.2	1	A
2,4,5-T	ND		ug/kg	225	6.97	1	A
2,4,5-TP (Silvex)	ND		ug/kg	225	5.98	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	76		30-150	A
DCAA	69		30-150	B

Project Name: 15 LARIVIERE & 20 WILKINSON**Lab Number:** L1530234**Project Number:** 0136-013-007**Report Date:** 11/30/15**SAMPLE RESULTS**

Lab ID: L1530234-08
Client ID: SS-8
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/25/15 17:46
Analyst: KE
Percent Solids: 73%

Date Collected: 11/17/15 15:35
Date Received: 11/18/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/24/15 20:50
Cleanup Method: EPA 3620B
Cleanup Date: 11/25/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.08	0.407	1	A
Lindane	ND		ug/kg	0.866	0.387	1	A
Alpha-BHC	ND		ug/kg	0.866	0.246	1	A
Beta-BHC	ND		ug/kg	2.08	0.788	1	A
Heptachlor	ND		ug/kg	1.04	0.466	1	A
Aldrin	ND		ug/kg	2.08	0.732	1	A
Heptachlor epoxide	ND		ug/kg	3.90	1.17	1	A
Endrin	0.892		ug/kg	0.866	0.355	1	B
Endrin aldehyde	ND		ug/kg	2.60	0.910	1	A
Endrin ketone	ND		ug/kg	2.08	0.535	1	A
Dieldrin	3.69	P	ug/kg	1.30	0.650	1	A
4,4'-DDE	1.69	J	ug/kg	2.08	0.481	1	A
4,4'-DDD	ND		ug/kg	2.08	0.742	1	A
4,4'-DDT	6.06	P	ug/kg	3.90	1.67	1	B
Endosulfan I	ND		ug/kg	2.08	0.491	1	A
Endosulfan II	ND		ug/kg	2.08	0.695	1	A
Endosulfan sulfate	ND		ug/kg	0.866	0.412	1	A
Methoxychlor	ND		ug/kg	3.90	1.21	1	A
Toxaphene	ND		ug/kg	39.0	10.9	1	A
cis-Chlordane	ND		ug/kg	2.60	0.724	1	A
trans-Chlordane	ND		ug/kg	2.60	0.686	1	A
Chlordane	ND		ug/kg	16.9	6.89	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	103		30-150	B
2,4,5,6-Tetrachloro-m-xylene	106		30-150	A
Decachlorobiphenyl	99		30-150	A

Project Name: 15 LARIVIERE & 20 WILKINSON
Project Number: 0136-013-007

Lab Number: L1530234
Report Date: 11/30/15

SAMPLE RESULTS

Lab ID: L1530234-08
Client ID: SS-8
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 11/26/15 01:26
Analyst: EC
Percent Solids: 73%
Methylation Date: 11/25/15 17:00

Date Collected: 11/17/15 15:35
Date Received: 11/18/15
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 11/24/15 18:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	228	14.3	1	A
2,4,5-T	ND		ug/kg	228	7.06	1	A
2,4,5-TP (Silvex)	ND		ug/kg	228	6.06	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	80		30-150	A
DCAA	74		30-150	B

Project Name: 15 LARIVIERE & 20 WILKINSON**Lab Number:** L1530234**Project Number:** 0136-013-007**Report Date:** 11/30/15**SAMPLE RESULTS**

Lab ID: L1530234-09
Client ID: SS-9
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/25/15 18:02
Analyst: KE
Percent Solids: 77%

Date Collected: 11/17/15 15:52
Date Received: 11/18/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/24/15 20:52
Cleanup Method: EPA 3620B
Cleanup Date: 11/25/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.00	0.391	1	A
Lindane	ND		ug/kg	0.832	0.372	1	A
Alpha-BHC	ND		ug/kg	0.832	0.236	1	A
Beta-BHC	ND		ug/kg	2.00	0.757	1	A
Heptachlor	ND		ug/kg	0.998	0.448	1	A
Aldrin	ND		ug/kg	2.00	0.703	1	A
Heptachlor epoxide	ND		ug/kg	3.74	1.12	1	B
Endrin	0.592	J	ug/kg	0.832	0.341	1	B
Endrin aldehyde	ND		ug/kg	2.50	0.874	1	A
Endrin ketone	ND		ug/kg	2.00	0.514	1	A
Dieldrin	1.08	JPI	ug/kg	1.25	0.624	1	B
4,4'-DDE	7.77		ug/kg	2.00	0.462	1	A
4,4'-DDD	ND		ug/kg	2.00	0.712	1	A
4,4'-DDT	7.23	PI	ug/kg	3.74	1.60	1	A
Endosulfan I	ND		ug/kg	2.00	0.472	1	A
Endosulfan II	ND		ug/kg	2.00	0.667	1	A
Endosulfan sulfate	ND		ug/kg	0.832	0.396	1	A
Methoxychlor	ND		ug/kg	3.74	1.16	1	A
Toxaphene	ND		ug/kg	37.4	10.5	1	A
cis-Chlordane	ND		ug/kg	2.50	0.696	1	A
trans-Chlordane	ND		ug/kg	2.50	0.659	1	A
Chlordane	ND		ug/kg	16.2	6.61	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	97		30-150	B
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	92		30-150	A

Project Name: 15 LARIVIERE & 20 WILKINSON
Project Number: 0136-013-007

Lab Number: L1530234
Report Date: 11/30/15

SAMPLE RESULTS

Lab ID: L1530234-09
Client ID: SS-9
Sample Location: BUFFALO, NY
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 11/26/15 01:45
Analyst: EC
Percent Solids: 77%
Methylation Date: 11/25/15 17:00

Date Collected: 11/17/15 15:52
Date Received: 11/18/15
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 11/24/15 18:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	213	13.4	1	A
2,4,5-T	ND		ug/kg	213	6.61	1	A
2,4,5-TP (Silvex)	ND		ug/kg	213	5.67	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	71		30-150	A
DCAA	55		30-150	B

Project Name: 15 LARIVIERE & 20 WILKINSON

Lab Number: L1530234

Project Number: 0136-013-007

Report Date: 11/30/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8151A
 Analytical Date: 11/25/15 20:32
 Analyst: EC

Extraction Method: EPA 8151A
 Extraction Date: 11/24/15 18:11

Methylation Date: 11/25/15 17:00

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-09 Batch: WG844059-1						
2,4-D	ND		ug/kg	163	10.2	A
2,4,5-T	ND		ug/kg	163	5.04	A
2,4,5-TP (Silvex)	ND		ug/kg	163	4.32	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	76		30-150	A
DCAA	68		30-150	B

Project Name: 15 LARIVIERE & 20 WILKINSON

Lab Number: L1530234

Project Number: 0136-013-007

Report Date: 11/30/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 11/25/15 13:57
 Analyst: KE

Extraction Method: EPA 3546
 Extraction Date: 11/24/15 20:50
 Cleanup Method: EPA 3620B
 Cleanup Date: 11/25/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-09 Batch: WG844095-1						
Delta-BHC	ND		ug/kg	1.56	0.306	A
Lindane	ND		ug/kg	0.652	0.292	A
Alpha-BHC	ND		ug/kg	0.652	0.185	A
Beta-BHC	ND		ug/kg	1.56	0.594	A
Heptachlor	ND		ug/kg	0.783	0.351	A
Aldrin	ND		ug/kg	1.56	0.551	A
Heptachlor epoxide	ND		ug/kg	2.94	0.881	A
Endrin	ND		ug/kg	0.652	0.267	A
Endrin aldehyde	ND		ug/kg	1.96	0.685	A
Endrin ketone	ND		ug/kg	1.56	0.403	A
Dieldrin	ND		ug/kg	0.978	0.489	A
4,4'-DDE	ND		ug/kg	1.56	0.362	A
4,4'-DDD	ND		ug/kg	1.56	0.558	A
4,4'-DDT	ND		ug/kg	2.94	1.26	A
Endosulfan I	ND		ug/kg	1.56	0.370	A
Endosulfan II	ND		ug/kg	1.56	0.523	A
Endosulfan sulfate	ND		ug/kg	0.652	0.310	A
Methoxychlor	ND		ug/kg	2.94	0.913	A
Toxaphene	ND		ug/kg	29.4	8.22	A
cis-Chlordane	ND		ug/kg	1.96	0.545	A
trans-Chlordane	ND		ug/kg	1.96	0.517	A
Chlordane	ND		ug/kg	12.7	5.18	A

Project Name: 15 LARIVIERE & 20 WILKINSON**Lab Number:** L1530234**Project Number:** 0136-013-007**Report Date:** 11/30/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 11/25/15 13:57
 Analyst: KE

Extraction Method: EPA 3546
 Extraction Date: 11/24/15 20:50
 Cleanup Method: EPA 3620B
 Cleanup Date: 11/25/15

Parameter	Result	Qualifier	Units	RL	MDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-09 Batch: WG844095-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	93		30-150	B
2,4,5,6-Tetrachloro-m-xylene	98		30-150	A
Decachlorobiphenyl	93		30-150	A

Lab Control Sample Analysis Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKINSON
Project Number: 0136-013-007

Lab Number: L1530234
Report Date: 11/30/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-09 Batch: WG844059-2 WG844059-3									
2,4-D	52		51		30-150	2		30	A
2,4,5-T	50		52		30-150	4		30	A
2,4,5-TP (Silvex)	56		57		30-150	2		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	51		46		30-150	A
DCAA	71		71		30-150	B

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 15 LARIVIERE & 20 WILKINSON

Project Number: 0136-013-007

Lab Number: L1530234

Report Date: 11/30/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-09 Batch: WG844095-2 WG844095-3									
Delta-BHC	86		74		30-150	15		30	A
Lindane	88		80		30-150	10		30	A
Alpha-BHC	93		85		30-150	9		30	A
Beta-BHC	85		77		30-150	10		30	A
Heptachlor	84		76		30-150	10		30	A
Aldrin	92		82		30-150	11		30	A
Heptachlor epoxide	85		72		30-150	17		30	A
Endrin	91		75		30-150	19		30	A
Endrin aldehyde	57		54		30-150	5		30	A
Endrin ketone	65		56		30-150	15		30	A
Dieldrin	92		84		30-150	9		30	A
4,4'-DDE	94		80		30-150	16		30	A
4,4'-DDD	92		78		30-150	16		30	A
4,4'-DDT	92		81		30-150	13		30	A
Endosulfan I	88		75		30-150	16		30	A
Endosulfan II	78		67		30-150	15		30	A
Endosulfan sulfate	57		51		30-150	11		30	A
Methoxychlor	77		69		30-150	11		30	A
cis-Chlordane	87		76		30-150	13		30	A
trans-Chlordane	89		83		30-150	7		30	A

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 15 LARIVIERE & 20 WILKINSON**Lab Number:** L1530234**Project Number:** 0136-013-007**Report Date:** 11/30/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-09 Batch: WG844095-2 WG844095-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		74		30-150	B
Decachlorobiphenyl	89		87		30-150	B
2,4,5,6-Tetrachloro-m-xylene	103		88		30-150	A
Decachlorobiphenyl	98		86		30-150	A

Matrix Spike Analysis**Batch Quality Control****Project Name:** 15 LARIVIERE & 20 WILKINSON**Lab Number:** L1530234**Project Number:** 0136-013-007**Report Date:** 11/30/15

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>	<i>Column</i>
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG844059-4 WG844059-5 QC Sample: L1530234-01 Client ID:													
BCP-MW-5(6-8)													
2,4-D	ND	368	227	62		268	72		30-150	17		30	A
2,4,5-T	ND	368	236	64		271	73		30-150	14		30	A
2,4,5-TP (Silvex)	ND	368	243	66		276	75		30-150	13		30	A

<i>Surrogate</i>	<i>MS % Recovery</i>	<i>Qualifier</i>	<i>MSD % Recovery</i>	<i>Qualifier</i>	<i>Acceptance Criteria</i>	<i>Column</i>
DCAA	68		77		30-150	A
DCAA	64		73		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKINSON
Project Number: 0136-013-007

Lab Number: L1530234
Report Date: 11/30/15

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>	<i>Column</i>
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG844059-6 WG844059-7 QC Sample: L1530234-07 Client ID: SS-7													
2,4-D	ND	444	229	52		187.J	41		30-150	20		30	A
2,4,5-T	ND	444	227	51		197.J	44		30-150	14		30	A
2,4,5-TP (Silvex)	ND	444	242	54		200.J	44		30-150	19		30	A

<i>Surrogate</i>	<i>MS % Recovery</i>	<i>Qualifier</i>	<i>MSD % Recovery</i>	<i>Qualifier</i>	<i>Acceptance Criteria</i>	<i>Column</i>
DCAA	79		68		30-150	A
DCAA	63		51		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKINSON

Project Number: 0136-013-007

Lab Number: L1530234

Report Date: 11/30/15

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): 01-09 QC Batch ID: WG844095-4 WG844095-5 QC Sample: L1530234-01 Client ID: BCP-MW-5(6-8)													
Delta-BHC	ND	35.4	36.7	104		35.6	100		30-150	3		50	A
Lindane	ND	35.4	34.3	97		33.9	95		30-150	1		50	A
Alpha-BHC	ND	35.4	33.4	94		36.1	101		30-150	8		50	A
Beta-BHC	ND	35.4	28.4	80		30.0	84		30-150	5		50	A
Heptachlor	ND	35.4	33.9	96		34.7	97		30-150	2		50	A
Aldrin	ND	35.4	33.6	95		34.5	97		30-150	3		50	A
Heptachlor epoxide	ND	35.4	30.3	86		31.4	88		30-150	4		50	A
Endrin	ND	35.4	30.4	86		31.3	88		30-150	3		50	A
Endrin aldehyde	ND	35.4	21.2	60		21.2	60		30-150	0		50	A
Endrin ketone	ND	35.4	23.2	65		21.8	61		30-150	6		50	A
Dieldrin	ND	35.4	33.3	94		33.3	93		30-150	0		50	A
4,4'-DDE	ND	35.4	29.4	83		30.2	85		30-150	3		50	A
4,4'-DDD	ND	35.4	32.1	91		33.4	94		30-150	4		50	A
4,4'-DDT	ND	35.4	34.3	97		32.9	92		30-150	4		50	A
Endosulfan I	ND	35.4	30.7	87		31.6	89		30-150	3		50	A
Endosulfan II	ND	35.4	27.2	77		27.6	77		30-150	1		50	A
Endosulfan sulfate	ND	35.4	18.8	53		19.2	54		30-150	2		50	A
Methoxychlor	ND	35.4	30.3	86		30.1	85		30-150	1		50	A
cis-Chlordane	ND	35.4	30.2	85		30.8	86		30-150	2		50	A
trans-Chlordane	ND	35.4	30.8	87		31.3	88		30-150	2		50	A

Matrix Spike Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKINSON
Project Number: 0136-013-007

Lab Number: L1530234
Report Date: 11/30/15

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG844095-4 WG844095-5 QC Sample: L1530234-01 Client ID: BCP-MW-5(6-8)

<i>Surrogate</i>	<i>MS % Recovery</i>	<i>Qualifier</i>	<i>MSD % Recovery</i>	<i>Qualifier</i>	<i>Acceptance Criteria</i>	<i>Column</i>
2,4,5,6-Tetrachloro-m-xylene	86		82		30-150	B
Decachlorobiphenyl	93		85		30-150	B
2,4,5,6-Tetrachloro-m-xylene	104		102		30-150	A
Decachlorobiphenyl	89		85		30-150	A

Matrix Spike Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKINSON

Project Number: 0136-013-007

Lab Number: L1530234

Report Date: 11/30/15

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): 01-09 QC Batch ID: WG844095-6 WG844095-7 QC Sample: L1530234-07 Client ID: SS-7													
Delta-BHC	ND	43	32.7	76		38.1	87		30-150	15		50	A
Lindane	ND	43	32.3	75		36.4	83		30-150	12		50	A
Alpha-BHC	ND	43	30.8	72		38.7	88		30-150	23		50	A
Beta-BHC	ND	43	30.3	71		35.6	81		30-150	16		50	A
Heptachlor	ND	43	31.1	72		36.5	83		30-150	16		50	A
Aldrin	ND	43	33.8	79		39.9	91		30-150	17		50	A
Heptachlor epoxide	ND	43	29.8	69		34.9	80		30-150	16		50	A
Endrin	ND	43	30.4	71		37.3	85		30-150	20		50	A
Endrin aldehyde	ND	43	19.8	46		26.2	60		30-150	28		50	A
Endrin ketone	ND	43	20.8	48		25.7	59		30-150	21		50	A
Dieldrin	ND	43	36.6	85		41.0	93		30-150	11		50	A
4,4'-DDE	48.5	43	88.5	93		92.3	100		30-150	4		50	A
4,4'-DDD	1.42J	43	32.0	74		39.0	89		30-150	20		50	A
4,4'-DDT	21.6	43	55.9	80		62.9	94		30-150	12		50	A
Endosulfan I	ND	43	30.6	71		36.2	82		30-150	17		50	A
Endosulfan II	ND	43	26.8	62		31.7	72		30-150	17		50	A
Endosulfan sulfate	ND	43	18.5	43		21.9	50		30-150	17		50	A
Methoxychlor	ND	43	28.4	66		34.7	79		30-150	20		50	A
cis-Chlordane	ND	43	31.5	73		37.4	85		30-150	17		50	A
trans-Chlordane	ND	43	32.9	77		38.1	87		30-150	15		50	A

Matrix Spike Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKINSON

Project Number: 0136-013-007

Lab Number: L1530234

Report Date: 11/30/15

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): 01-09 QC Batch ID: WG844095-6 WG844095-7 QC Sample: L1530234-07 Client ID: SS-7

Surrogate	MS		MSD		Acceptance Criteria	Column
	% Recovery	Qualifier	% Recovery	Qualifier		
2,4,5,6-Tetrachloro-m-xylene	72		86		30-150	B
Decachlorobiphenyl	75		92		30-150	B
2,4,5,6-Tetrachloro-m-xylene	83		94		30-150	A
Decachlorobiphenyl	71		91		30-150	A

METALS

Project Name: 15 LARIVIERE & 20 WILKINSON

Lab Number: L1530234

Project Number: 0136-013-007

Report Date: 11/30/15

SAMPLE RESULTS

Lab ID: L1530234-01
 Client ID: BCP-MW-5(6-8)
 Sample Location: BUFFALO, NY
 Matrix: Soil
 Percent Solids: 89%

Date Collected: 11/17/15 13:07
 Date Received: 11/18/15
 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	4000		mg/kg	8.6	1.7	2	11/19/15 18:48	11/20/15 01:22	EPA 3050B	1,6010C	PS
Antimony, Total	ND		mg/kg	4.3	0.68	2	11/19/15 18:48	11/20/15 01:22	EPA 3050B	1,6010C	PS
Arsenic, Total	6.0		mg/kg	0.86	0.17	2	11/19/15 18:48	11/20/15 01:22	EPA 3050B	1,6010C	PS
Barium, Total	19		mg/kg	0.86	0.26	2	11/19/15 18:48	11/20/15 01:22	EPA 3050B	1,6010C	PS
Beryllium, Total	0.18	J	mg/kg	0.43	0.09	2	11/19/15 18:48	11/20/15 01:22	EPA 3050B	1,6010C	PS
Cadmium, Total	ND		mg/kg	0.86	0.06	2	11/19/15 18:48	11/20/15 01:22	EPA 3050B	1,6010C	PS
Calcium, Total	22000		mg/kg	8.6	2.6	2	11/19/15 18:48	11/20/15 01:22	EPA 3050B	1,6010C	PS
Chromium, Total	7.2		mg/kg	0.86	0.17	2	11/19/15 18:48	11/20/15 01:22	EPA 3050B	1,6010C	PS
Cobalt, Total	4.7		mg/kg	1.7	0.43	2	11/19/15 18:48	11/20/15 01:22	EPA 3050B	1,6010C	PS
Copper, Total	12		mg/kg	0.86	0.17	2	11/19/15 18:48	11/20/15 01:22	EPA 3050B	1,6010C	PS
Iron, Total	10000		mg/kg	4.3	1.7	2	11/19/15 18:48	11/20/15 01:22	EPA 3050B	1,6010C	PS
Lead, Total	9.6		mg/kg	4.3	0.17	2	11/19/15 18:48	11/20/15 01:22	EPA 3050B	1,6010C	PS
Magnesium, Total	8500		mg/kg	8.6	0.86	2	11/19/15 18:48	11/20/15 01:22	EPA 3050B	1,6010C	PS
Manganese, Total	150		mg/kg	0.86	0.17	2	11/19/15 18:48	11/20/15 01:22	EPA 3050B	1,6010C	PS
Mercury, Total	0.02	J	mg/kg	0.08	0.02	1	11/21/15 12:15	11/23/15 12:47	EPA 7471B	1,7471B	DB
Nickel, Total	11		mg/kg	2.1	0.34	2	11/19/15 18:48	11/20/15 01:22	EPA 3050B	1,6010C	PS
Potassium, Total	440		mg/kg	210	34.	2	11/19/15 18:48	11/20/15 01:22	EPA 3050B	1,6010C	PS
Selenium, Total	0.38	J	mg/kg	1.7	0.26	2	11/19/15 18:48	11/20/15 01:22	EPA 3050B	1,6010C	PS
Silver, Total	ND		mg/kg	0.86	0.17	2	11/19/15 18:48	11/20/15 01:22	EPA 3050B	1,6010C	PS
Sodium, Total	120	J	mg/kg	170	26.	2	11/19/15 18:48	11/20/15 01:22	EPA 3050B	1,6010C	PS
Thallium, Total	ND		mg/kg	1.7	0.34	2	11/19/15 18:48	11/20/15 01:22	EPA 3050B	1,6010C	PS
Vanadium, Total	11		mg/kg	0.86	0.09	2	11/19/15 18:48	11/20/15 01:22	EPA 3050B	1,6010C	PS
Zinc, Total	42		mg/kg	4.3	0.60	2	11/19/15 18:48	11/20/15 01:22	EPA 3050B	1,6010C	PS



Project Name: 15 LARIVIERE & 20 WILKINSON

Lab Number: L1530234

Project Number: 0136-013-007

Report Date: 11/30/15

SAMPLE RESULTS

Lab ID: L1530234-02

Date Collected: 11/17/15 08:45

Client ID: SS-1

Date Received: 11/18/15

Sample Location: BUFFALO, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 73%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	11000		mg/kg	11	2.1	2	11/19/15 18:48	11/20/15 02:18	EPA 3050B	1,6010C	PS
Antimony, Total	ND		mg/kg	5.4	0.86	2	11/19/15 18:48	11/20/15 02:18	EPA 3050B	1,6010C	PS
Arsenic, Total	12		mg/kg	1.1	0.21	2	11/19/15 18:48	11/20/15 02:18	EPA 3050B	1,6010C	PS
Barium, Total	89		mg/kg	1.1	0.32	2	11/19/15 18:48	11/20/15 02:18	EPA 3050B	1,6010C	PS
Beryllium, Total	0.537		mg/kg	0.537	0.107	2	11/19/15 18:48	11/20/15 02:18	EPA 3050B	1,6010C	PS
Cadmium, Total	ND		mg/kg	1.1	0.08	2	11/19/15 18:48	11/20/15 02:18	EPA 3050B	1,6010C	PS
Calcium, Total	6800		mg/kg	11	3.2	2	11/19/15 18:48	11/20/15 02:18	EPA 3050B	1,6010C	PS
Chromium, Total	15		mg/kg	1.1	0.21	2	11/19/15 18:48	11/20/15 02:18	EPA 3050B	1,6010C	PS
Cobalt, Total	8.7		mg/kg	2.1	0.54	2	11/19/15 18:48	11/20/15 02:18	EPA 3050B	1,6010C	PS
Copper, Total	18		mg/kg	1.1	0.21	2	11/19/15 18:48	11/20/15 02:18	EPA 3050B	1,6010C	PS
Iron, Total	22000		mg/kg	5.4	2.1	2	11/19/15 18:48	11/20/15 02:18	EPA 3050B	1,6010C	PS
Lead, Total	22		mg/kg	5.4	0.21	2	11/19/15 18:48	11/20/15 02:18	EPA 3050B	1,6010C	PS
Magnesium, Total	4100		mg/kg	11	1.1	2	11/19/15 18:48	11/20/15 02:18	EPA 3050B	1,6010C	PS
Manganese, Total	490		mg/kg	1.1	0.21	2	11/19/15 18:48	11/20/15 02:18	EPA 3050B	1,6010C	PS
Mercury, Total	0.08	J	mg/kg	0.09	0.02	1	11/21/15 12:15	11/23/15 12:55	EPA 7471B	1,7471B	DB
Nickel, Total	18		mg/kg	2.7	0.43	2	11/19/15 18:48	11/20/15 02:18	EPA 3050B	1,6010C	PS
Potassium, Total	970		mg/kg	270	43.	2	11/19/15 18:48	11/20/15 02:18	EPA 3050B	1,6010C	PS
Selenium, Total	ND		mg/kg	2.1	0.32	2	11/19/15 18:48	11/20/15 02:18	EPA 3050B	1,6010C	PS
Silver, Total	ND		mg/kg	1.1	0.21	2	11/19/15 18:48	11/20/15 02:18	EPA 3050B	1,6010C	PS
Sodium, Total	53	J	mg/kg	210	32.	2	11/19/15 18:48	11/20/15 02:18	EPA 3050B	1,6010C	PS
Thallium, Total	ND		mg/kg	2.1	0.43	2	11/19/15 18:48	11/20/15 02:18	EPA 3050B	1,6010C	PS
Vanadium, Total	19		mg/kg	1.1	0.11	2	11/19/15 18:48	11/20/15 02:18	EPA 3050B	1,6010C	PS
Zinc, Total	95		mg/kg	5.4	0.75	2	11/19/15 18:48	11/20/15 02:18	EPA 3050B	1,6010C	PS



Project Name: 15 LARIVIERE & 20 WILKINSON

Lab Number: L1530234

Project Number: 0136-013-007

Report Date: 11/30/15

SAMPLE RESULTS

Lab ID: L1530234-03

Date Collected: 11/17/15 15:45

Client ID: SS-4

Date Received: 11/18/15

Sample Location: BUFFALO, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	10000		mg/kg	9.1	1.8	2	11/24/15 04:38	11/24/15 09:40	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.6	0.73	2	11/24/15 04:38	11/24/15 09:40	EPA 3050B	1,6010C	JH
Arsenic, Total	8.0		mg/kg	0.91	0.18	2	11/24/15 04:38	11/24/15 09:40	EPA 3050B	1,6010C	JH
Barium, Total	48		mg/kg	0.91	0.27	2	11/24/15 04:38	11/24/15 09:40	EPA 3050B	1,6010C	JH
Beryllium, Total	0.40	J	mg/kg	0.46	0.09	2	11/24/15 04:38	11/24/15 09:40	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.91	0.06	2	11/24/15 04:38	11/24/15 09:40	EPA 3050B	1,6010C	JH
Calcium, Total	13000		mg/kg	9.1	2.7	2	11/24/15 04:38	11/24/15 09:40	EPA 3050B	1,6010C	JH
Chromium, Total	11		mg/kg	0.91	0.18	2	11/24/15 04:38	11/24/15 09:40	EPA 3050B	1,6010C	JH
Cobalt, Total	6.9		mg/kg	1.8	0.46	2	11/24/15 04:38	11/24/15 09:40	EPA 3050B	1,6010C	JH
Copper, Total	27		mg/kg	0.91	0.18	2	11/24/15 04:38	11/24/15 09:40	EPA 3050B	1,6010C	JH
Iron, Total	17000		mg/kg	4.6	1.8	2	11/24/15 04:38	11/24/15 09:40	EPA 3050B	1,6010C	JH
Lead, Total	14		mg/kg	4.6	0.18	2	11/24/15 04:38	11/24/15 09:40	EPA 3050B	1,6010C	JH
Magnesium, Total	2800		mg/kg	9.1	0.91	2	11/24/15 04:38	11/24/15 09:40	EPA 3050B	1,6010C	JH
Manganese, Total	650		mg/kg	0.91	0.18	2	11/24/15 04:38	11/24/15 09:40	EPA 3050B	1,6010C	JH
Mercury, Total	0.34		mg/kg	0.08	0.02	1	11/24/15 11:10	11/25/15 13:41	EPA 7471B	1,7471B	DB
Nickel, Total	16		mg/kg	2.3	0.36	2	11/24/15 04:38	11/24/15 09:40	EPA 3050B	1,6010C	JH
Potassium, Total	550		mg/kg	230	36.	2	11/24/15 04:38	11/24/15 09:40	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	1.8	0.27	2	11/24/15 04:38	11/24/15 09:40	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.91	0.18	2	11/24/15 04:38	11/24/15 09:40	EPA 3050B	1,6010C	JH
Sodium, Total	120	J	mg/kg	180	27.	2	11/24/15 04:38	11/24/15 09:40	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.8	0.36	2	11/24/15 04:38	11/24/15 09:40	EPA 3050B	1,6010C	JH
Vanadium, Total	18		mg/kg	0.91	0.09	2	11/24/15 04:38	11/24/15 09:40	EPA 3050B	1,6010C	JH
Zinc, Total	66		mg/kg	4.6	0.64	2	11/24/15 04:38	11/24/15 09:40	EPA 3050B	1,6010C	JH



Project Name: 15 LARIVIERE & 20 WILKINSON

Lab Number: L1530234

Project Number: 0136-013-007

Report Date: 11/30/15

SAMPLE RESULTS

Lab ID: L1530234-04

Date Collected: 11/17/15 15:48

Client ID: SS-5

Date Received: 11/18/15

Sample Location: BUFFALO, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	9100		mg/kg	10	2.1	2	11/19/15 18:48	11/20/15 02:22	EPA 3050B	1,6010C	PS
Antimony, Total	ND		mg/kg	5.2	0.83	2	11/19/15 18:48	11/20/15 02:22	EPA 3050B	1,6010C	PS
Arsenic, Total	9.6		mg/kg	1.0	0.21	2	11/19/15 18:48	11/20/15 02:22	EPA 3050B	1,6010C	PS
Barium, Total	56		mg/kg	1.0	0.31	2	11/19/15 18:48	11/20/15 02:22	EPA 3050B	1,6010C	PS
Beryllium, Total	0.43	J	mg/kg	0.52	0.10	2	11/19/15 18:48	11/20/15 02:22	EPA 3050B	1,6010C	PS
Cadmium, Total	ND		mg/kg	1.0	0.07	2	11/19/15 18:48	11/20/15 02:22	EPA 3050B	1,6010C	PS
Calcium, Total	6800		mg/kg	10	3.1	2	11/19/15 18:48	11/20/15 02:22	EPA 3050B	1,6010C	PS
Chromium, Total	12		mg/kg	1.0	0.21	2	11/19/15 18:48	11/20/15 02:22	EPA 3050B	1,6010C	PS
Cobalt, Total	6.5		mg/kg	2.1	0.52	2	11/19/15 18:48	11/20/15 02:22	EPA 3050B	1,6010C	PS
Copper, Total	29		mg/kg	1.0	0.21	2	11/19/15 18:48	11/20/15 02:22	EPA 3050B	1,6010C	PS
Iron, Total	17000		mg/kg	5.2	2.1	2	11/19/15 18:48	11/20/15 02:22	EPA 3050B	1,6010C	PS
Lead, Total	25		mg/kg	5.2	0.21	2	11/19/15 18:48	11/20/15 02:22	EPA 3050B	1,6010C	PS
Magnesium, Total	3700		mg/kg	10	1.0	2	11/19/15 18:48	11/20/15 02:22	EPA 3050B	1,6010C	PS
Manganese, Total	420		mg/kg	1.0	0.21	2	11/19/15 18:48	11/20/15 02:22	EPA 3050B	1,6010C	PS
Mercury, Total	0.21		mg/kg	0.08	0.02	1	11/21/15 12:15	11/23/15 12:57	EPA 7471B	1,7471B	DB
Nickel, Total	16		mg/kg	2.6	0.42	2	11/19/15 18:48	11/20/15 02:22	EPA 3050B	1,6010C	PS
Potassium, Total	560		mg/kg	260	42.	2	11/19/15 18:48	11/20/15 02:22	EPA 3050B	1,6010C	PS
Selenium, Total	ND		mg/kg	2.1	0.31	2	11/19/15 18:48	11/20/15 02:22	EPA 3050B	1,6010C	PS
Silver, Total	ND		mg/kg	1.0	0.21	2	11/19/15 18:48	11/20/15 02:22	EPA 3050B	1,6010C	PS
Sodium, Total	50	J	mg/kg	210	31.	2	11/19/15 18:48	11/20/15 02:22	EPA 3050B	1,6010C	PS
Thallium, Total	ND		mg/kg	2.1	0.42	2	11/19/15 18:48	11/20/15 02:22	EPA 3050B	1,6010C	PS
Vanadium, Total	16		mg/kg	1.0	0.10	2	11/19/15 18:48	11/20/15 02:22	EPA 3050B	1,6010C	PS
Zinc, Total	80		mg/kg	5.2	0.73	2	11/19/15 18:48	11/20/15 02:22	EPA 3050B	1,6010C	PS



Project Name: 15 LARIVIERE & 20 WILKINSON

Lab Number: L1530234

Project Number: 0136-013-007

Report Date: 11/30/15

SAMPLE RESULTS

Lab ID: L1530234-05

Date Collected: 11/17/15 15:34

Client ID: SS-6

Date Received: 11/18/15

Sample Location: BUFFALO, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	8700		mg/kg	9.8	2.0	2	11/24/15 04:38	11/24/15 09:43	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.9	0.78	2	11/24/15 04:38	11/24/15 09:43	EPA 3050B	1,6010C	JH
Arsenic, Total	6.3		mg/kg	0.98	0.20	2	11/24/15 04:38	11/24/15 09:43	EPA 3050B	1,6010C	JH
Barium, Total	42		mg/kg	0.98	0.29	2	11/24/15 04:38	11/24/15 09:43	EPA 3050B	1,6010C	JH
Beryllium, Total	0.36	J	mg/kg	0.49	0.10	2	11/24/15 04:38	11/24/15 09:43	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.98	0.07	2	11/24/15 04:38	11/24/15 09:43	EPA 3050B	1,6010C	JH
Calcium, Total	4600		mg/kg	9.8	2.9	2	11/24/15 04:38	11/24/15 09:43	EPA 3050B	1,6010C	JH
Chromium, Total	11		mg/kg	0.98	0.20	2	11/24/15 04:38	11/24/15 09:43	EPA 3050B	1,6010C	JH
Cobalt, Total	6.9		mg/kg	2.0	0.49	2	11/24/15 04:38	11/24/15 09:43	EPA 3050B	1,6010C	JH
Copper, Total	25		mg/kg	0.98	0.20	2	11/24/15 04:38	11/24/15 09:43	EPA 3050B	1,6010C	JH
Iron, Total	16000		mg/kg	4.9	2.0	2	11/24/15 04:38	11/24/15 09:43	EPA 3050B	1,6010C	JH
Lead, Total	14		mg/kg	4.9	0.20	2	11/24/15 04:38	11/24/15 09:43	EPA 3050B	1,6010C	JH
Magnesium, Total	2500		mg/kg	9.8	0.98	2	11/24/15 04:38	11/24/15 09:43	EPA 3050B	1,6010C	JH
Manganese, Total	410		mg/kg	0.98	0.20	2	11/24/15 04:38	11/24/15 09:43	EPA 3050B	1,6010C	JH
Mercury, Total	0.14		mg/kg	0.08	0.02	1	11/24/15 11:10	11/25/15 13:43	EPA 7471B	1,7471B	DB
Nickel, Total	17		mg/kg	2.4	0.39	2	11/24/15 04:38	11/24/15 09:43	EPA 3050B	1,6010C	JH
Potassium, Total	570		mg/kg	240	39.	2	11/24/15 04:38	11/24/15 09:43	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	2.0	0.29	2	11/24/15 04:38	11/24/15 09:43	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.98	0.20	2	11/24/15 04:38	11/24/15 09:43	EPA 3050B	1,6010C	JH
Sodium, Total	38	J	mg/kg	200	29.	2	11/24/15 04:38	11/24/15 09:43	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	2.0	0.39	2	11/24/15 04:38	11/24/15 09:43	EPA 3050B	1,6010C	JH
Vanadium, Total	16		mg/kg	0.98	0.10	2	11/24/15 04:38	11/24/15 09:43	EPA 3050B	1,6010C	JH
Zinc, Total	67		mg/kg	4.9	0.69	2	11/24/15 04:38	11/24/15 09:43	EPA 3050B	1,6010C	JH



Project Name: 15 LARIVIERE & 20 WILKINSON

Lab Number: L1530234

Project Number: 0136-013-007

Report Date: 11/30/15

SAMPLE RESULTS

Lab ID: L1530234-06
 Client ID: BLIND DUP #2
 Sample Location: BUFFALO, NY
 Matrix: Soil
 Percent Solids: 76%

Date Collected: 11/17/15 12:00
 Date Received: 11/18/15
 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	8300		mg/kg	10	2.1	2	11/19/15 18:48	11/20/15 02:42	EPA 3050B	1,6010C	PS
Antimony, Total	ND		mg/kg	5.2	0.83	2	11/19/15 18:48	11/20/15 02:42	EPA 3050B	1,6010C	PS
Arsenic, Total	9.5		mg/kg	1.0	0.21	2	11/19/15 18:48	11/20/15 02:42	EPA 3050B	1,6010C	PS
Barium, Total	43		mg/kg	1.0	0.31	2	11/19/15 18:48	11/20/15 02:42	EPA 3050B	1,6010C	PS
Beryllium, Total	0.38	J	mg/kg	0.52	0.10	2	11/19/15 18:48	11/20/15 02:42	EPA 3050B	1,6010C	PS
Cadmium, Total	ND		mg/kg	1.0	0.07	2	11/19/15 18:48	11/20/15 02:42	EPA 3050B	1,6010C	PS
Calcium, Total	8000		mg/kg	10	3.1	2	11/19/15 18:48	11/20/15 02:42	EPA 3050B	1,6010C	PS
Chromium, Total	11		mg/kg	1.0	0.21	2	11/19/15 18:48	11/20/15 02:42	EPA 3050B	1,6010C	PS
Cobalt, Total	6.6		mg/kg	2.1	0.52	2	11/19/15 18:48	11/20/15 02:42	EPA 3050B	1,6010C	PS
Copper, Total	26		mg/kg	1.0	0.21	2	11/19/15 18:48	11/20/15 02:42	EPA 3050B	1,6010C	PS
Iron, Total	17000		mg/kg	5.2	2.1	2	11/19/15 18:48	11/20/15 02:42	EPA 3050B	1,6010C	PS
Lead, Total	12		mg/kg	5.2	0.21	2	11/19/15 18:48	11/20/15 02:42	EPA 3050B	1,6010C	PS
Magnesium, Total	5000		mg/kg	10	1.0	2	11/19/15 18:48	11/20/15 02:42	EPA 3050B	1,6010C	PS
Manganese, Total	420		mg/kg	1.0	0.21	2	11/19/15 18:48	11/20/15 02:42	EPA 3050B	1,6010C	PS
Mercury, Total	0.11		mg/kg	0.08	0.02	1	11/21/15 12:15	11/23/15 12:59	EPA 7471B	1,7471B	DB
Nickel, Total	16		mg/kg	2.6	0.42	2	11/19/15 18:48	11/20/15 02:42	EPA 3050B	1,6010C	PS
Potassium, Total	540		mg/kg	260	42.	2	11/19/15 18:48	11/20/15 02:42	EPA 3050B	1,6010C	PS
Selenium, Total	ND		mg/kg	2.1	0.31	2	11/19/15 18:48	11/20/15 02:42	EPA 3050B	1,6010C	PS
Silver, Total	ND		mg/kg	1.0	0.21	2	11/19/15 18:48	11/20/15 02:42	EPA 3050B	1,6010C	PS
Sodium, Total	41	J	mg/kg	210	31.	2	11/19/15 18:48	11/20/15 02:42	EPA 3050B	1,6010C	PS
Thallium, Total	ND		mg/kg	2.1	0.42	2	11/19/15 18:48	11/20/15 02:42	EPA 3050B	1,6010C	PS
Vanadium, Total	15		mg/kg	1.0	0.10	2	11/19/15 18:48	11/20/15 02:42	EPA 3050B	1,6010C	PS
Zinc, Total	66		mg/kg	5.2	0.73	2	11/19/15 18:48	11/20/15 02:42	EPA 3050B	1,6010C	PS



Project Name: 15 LARIVIERE & 20 WILKINSON

Lab Number: L1530234

Project Number: 0136-013-007

Report Date: 11/30/15

SAMPLE RESULTS

Lab ID: L1530234-07

Date Collected: 11/17/15 15:25

Client ID: SS-7

Date Received: 11/18/15

Sample Location: BUFFALO, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 73%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7500		mg/kg	11	2.1	2	11/21/15 10:23	11/24/15 02:36	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	5.3	0.85	2	11/21/15 10:23	11/24/15 02:36	EPA 3050B	1,6010C	JH
Arsenic, Total	6.4		mg/kg	1.1	0.21	2	11/21/15 10:23	11/24/15 02:36	EPA 3050B	1,6010C	JH
Barium, Total	49		mg/kg	1.1	0.32	2	11/21/15 10:23	11/24/15 02:36	EPA 3050B	1,6010C	JH
Beryllium, Total	0.37	J	mg/kg	0.53	0.11	2	11/21/15 10:23	11/24/15 02:36	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	1.1	0.08	2	11/21/15 10:23	11/24/15 02:36	EPA 3050B	1,6010C	JH
Calcium, Total	8500		mg/kg	11	3.2	2	11/21/15 10:23	11/24/15 02:36	EPA 3050B	1,6010C	JH
Chromium, Total	11		mg/kg	1.1	0.21	2	11/21/15 10:23	11/24/15 02:36	EPA 3050B	1,6010C	JH
Cobalt, Total	7.8		mg/kg	2.1	0.53	2	11/21/15 10:23	11/24/15 02:36	EPA 3050B	1,6010C	JH
Copper, Total	26		mg/kg	1.1	0.21	2	11/21/15 10:23	11/24/15 02:36	EPA 3050B	1,6010C	JH
Iron, Total	16000		mg/kg	5.3	2.1	2	11/21/15 10:23	11/24/15 02:36	EPA 3050B	1,6010C	JH
Lead, Total	27		mg/kg	5.3	0.21	2	11/21/15 10:23	11/24/15 02:36	EPA 3050B	1,6010C	JH
Magnesium, Total	4200		mg/kg	11	1.1	2	11/21/15 10:23	11/24/15 02:36	EPA 3050B	1,6010C	JH
Manganese, Total	510		mg/kg	1.1	0.21	2	11/21/15 10:23	11/24/15 02:36	EPA 3050B	1,6010C	JH
Mercury, Total	0.13		mg/kg	0.09	0.02	1	11/21/15 12:15	11/23/15 13:00	EPA 7471B	1,7471B	DB
Nickel, Total	18		mg/kg	2.7	0.43	2	11/21/15 10:23	11/24/15 02:36	EPA 3050B	1,6010C	JH
Potassium, Total	580		mg/kg	270	43.	2	11/21/15 10:23	11/24/15 02:36	EPA 3050B	1,6010C	JH
Selenium, Total	0.46	J	mg/kg	2.1	0.32	2	11/21/15 10:23	11/24/15 02:36	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	1.1	0.21	2	11/21/15 10:23	11/24/15 02:36	EPA 3050B	1,6010C	JH
Sodium, Total	42	J	mg/kg	210	32.	2	11/21/15 10:23	11/24/15 02:36	EPA 3050B	1,6010C	JH
Thallium, Total	1.8	J	mg/kg	2.1	0.43	2	11/21/15 10:23	11/24/15 02:36	EPA 3050B	1,6010C	JH
Vanadium, Total	15		mg/kg	1.1	0.11	2	11/21/15 10:23	11/24/15 02:36	EPA 3050B	1,6010C	JH
Zinc, Total	82		mg/kg	5.3	0.75	2	11/21/15 10:23	11/24/15 02:36	EPA 3050B	1,6010C	JH



Project Name: 15 LARIVIERE & 20 WILKINSON

Lab Number: L1530234

Project Number: 0136-013-007

Report Date: 11/30/15

SAMPLE RESULTS

Lab ID: L1530234-08

Date Collected: 11/17/15 15:35

Client ID: SS-8

Date Received: 11/18/15

Sample Location: BUFFALO, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 73%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	12000		mg/kg	11	2.2	2	11/19/15 18:48	11/20/15 02:46	EPA 3050B	1,6010C	PS
Antimony, Total	ND		mg/kg	5.4	0.87	2	11/19/15 18:48	11/20/15 02:46	EPA 3050B	1,6010C	PS
Arsenic, Total	10		mg/kg	1.1	0.22	2	11/19/15 18:48	11/20/15 02:46	EPA 3050B	1,6010C	PS
Barium, Total	71		mg/kg	1.1	0.32	2	11/19/15 18:48	11/20/15 02:46	EPA 3050B	1,6010C	PS
Beryllium, Total	0.596		mg/kg	0.542	0.108	2	11/19/15 18:48	11/20/15 02:46	EPA 3050B	1,6010C	PS
Cadmium, Total	ND		mg/kg	1.1	0.08	2	11/19/15 18:48	11/20/15 02:46	EPA 3050B	1,6010C	PS
Calcium, Total	4200		mg/kg	11	3.2	2	11/19/15 18:48	11/20/15 02:46	EPA 3050B	1,6010C	PS
Chromium, Total	15		mg/kg	1.1	0.22	2	11/19/15 18:48	11/20/15 02:46	EPA 3050B	1,6010C	PS
Cobalt, Total	7.1		mg/kg	2.2	0.54	2	11/19/15 18:48	11/20/15 02:46	EPA 3050B	1,6010C	PS
Copper, Total	18		mg/kg	1.1	0.22	2	11/19/15 18:48	11/20/15 02:46	EPA 3050B	1,6010C	PS
Iron, Total	21000		mg/kg	5.4	2.2	2	11/19/15 18:48	11/20/15 02:46	EPA 3050B	1,6010C	PS
Lead, Total	19		mg/kg	5.4	0.22	2	11/19/15 18:48	11/20/15 02:46	EPA 3050B	1,6010C	PS
Magnesium, Total	2800		mg/kg	11	1.1	2	11/19/15 18:48	11/20/15 02:46	EPA 3050B	1,6010C	PS
Manganese, Total	400		mg/kg	1.1	0.22	2	11/19/15 18:48	11/20/15 02:46	EPA 3050B	1,6010C	PS
Mercury, Total	0.08	J	mg/kg	0.09	0.02	1	11/21/15 12:15	11/23/15 13:11	EPA 7471B	1,7471B	DB
Nickel, Total	18		mg/kg	2.7	0.43	2	11/19/15 18:48	11/20/15 02:46	EPA 3050B	1,6010C	PS
Potassium, Total	1000		mg/kg	270	43.	2	11/19/15 18:48	11/20/15 02:46	EPA 3050B	1,6010C	PS
Selenium, Total	ND		mg/kg	2.2	0.32	2	11/19/15 18:48	11/20/15 02:46	EPA 3050B	1,6010C	PS
Silver, Total	ND		mg/kg	1.1	0.22	2	11/19/15 18:48	11/20/15 02:46	EPA 3050B	1,6010C	PS
Sodium, Total	39	J	mg/kg	220	32.	2	11/19/15 18:48	11/20/15 02:46	EPA 3050B	1,6010C	PS
Thallium, Total	ND		mg/kg	2.2	0.43	2	11/19/15 18:48	11/20/15 02:46	EPA 3050B	1,6010C	PS
Vanadium, Total	20		mg/kg	1.1	0.11	2	11/19/15 18:48	11/20/15 02:46	EPA 3050B	1,6010C	PS
Zinc, Total	81		mg/kg	5.4	0.76	2	11/19/15 18:48	11/20/15 02:46	EPA 3050B	1,6010C	PS



Project Name: 15 LARIVIERE & 20 WILKINSON

Lab Number: L1530234

Project Number: 0136-013-007

Report Date: 11/30/15

SAMPLE RESULTS

Lab ID: L1530234-09

Date Collected: 11/17/15 15:52

Client ID: SS-9

Date Received: 11/18/15

Sample Location: BUFFALO, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	8000		mg/kg	10	2.0	2	11/19/15 18:48	11/20/15 02:50	EPA 3050B	1,6010C	PS
Antimony, Total	ND		mg/kg	5.1	0.81	2	11/19/15 18:48	11/20/15 02:50	EPA 3050B	1,6010C	PS
Arsenic, Total	7.8		mg/kg	1.0	0.20	2	11/19/15 18:48	11/20/15 02:50	EPA 3050B	1,6010C	PS
Barium, Total	52		mg/kg	1.0	0.30	2	11/19/15 18:48	11/20/15 02:50	EPA 3050B	1,6010C	PS
Beryllium, Total	0.36	J	mg/kg	0.51	0.10	2	11/19/15 18:48	11/20/15 02:50	EPA 3050B	1,6010C	PS
Cadmium, Total	ND		mg/kg	1.0	0.07	2	11/19/15 18:48	11/20/15 02:50	EPA 3050B	1,6010C	PS
Calcium, Total	8700		mg/kg	10	3.0	2	11/19/15 18:48	11/20/15 02:50	EPA 3050B	1,6010C	PS
Chromium, Total	11		mg/kg	1.0	0.20	2	11/19/15 18:48	11/20/15 02:50	EPA 3050B	1,6010C	PS
Cobalt, Total	5.9		mg/kg	2.0	0.51	2	11/19/15 18:48	11/20/15 02:50	EPA 3050B	1,6010C	PS
Copper, Total	21		mg/kg	1.0	0.20	2	11/19/15 18:48	11/20/15 02:50	EPA 3050B	1,6010C	PS
Iron, Total	16000		mg/kg	5.1	2.0	2	11/19/15 18:48	11/20/15 02:50	EPA 3050B	1,6010C	PS
Lead, Total	13		mg/kg	5.1	0.20	2	11/19/15 18:48	11/20/15 02:50	EPA 3050B	1,6010C	PS
Magnesium, Total	3200		mg/kg	10	1.0	2	11/19/15 18:48	11/20/15 02:50	EPA 3050B	1,6010C	PS
Manganese, Total	320		mg/kg	1.0	0.20	2	11/19/15 18:48	11/20/15 02:50	EPA 3050B	1,6010C	PS
Mercury, Total	0.06	J	mg/kg	0.08	0.02	1	11/21/15 12:15	11/23/15 13:13	EPA 7471B	1,7471B	DB
Nickel, Total	15		mg/kg	2.5	0.40	2	11/19/15 18:48	11/20/15 02:50	EPA 3050B	1,6010C	PS
Potassium, Total	610		mg/kg	250	40.	2	11/19/15 18:48	11/20/15 02:50	EPA 3050B	1,6010C	PS
Selenium, Total	ND		mg/kg	2.0	0.30	2	11/19/15 18:48	11/20/15 02:50	EPA 3050B	1,6010C	PS
Silver, Total	ND		mg/kg	1.0	0.20	2	11/19/15 18:48	11/20/15 02:50	EPA 3050B	1,6010C	PS
Sodium, Total	43	J	mg/kg	200	30.	2	11/19/15 18:48	11/20/15 02:50	EPA 3050B	1,6010C	PS
Thallium, Total	ND		mg/kg	2.0	0.40	2	11/19/15 18:48	11/20/15 02:50	EPA 3050B	1,6010C	PS
Vanadium, Total	15		mg/kg	1.0	0.10	2	11/19/15 18:48	11/20/15 02:50	EPA 3050B	1,6010C	PS
Zinc, Total	66		mg/kg	5.1	0.71	2	11/19/15 18:48	11/20/15 02:50	EPA 3050B	1,6010C	PS



Project Name: 15 LARIVIERE & 20 WILKINSON

Lab Number: L1530234

Project Number: 0136-013-007

Report Date: 11/30/15

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): 01-02,04,06,08-09 Batch: WG842529-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	11/19/15 18:48	11/20/15 01:06	1,6010C	PS
Antimony, Total	ND		mg/kg	2.0	0.32	1	11/19/15 18:48	11/20/15 01:06	1,6010C	PS
Arsenic, Total	ND		mg/kg	0.40	0.08	1	11/19/15 18:48	11/20/15 01:06	1,6010C	PS
Barium, Total	ND		mg/kg	0.40	0.12	1	11/19/15 18:48	11/20/15 01:06	1,6010C	PS
Beryllium, Total	ND		mg/kg	0.20	0.04	1	11/19/15 18:48	11/20/15 01:06	1,6010C	PS
Cadmium, Total	ND		mg/kg	0.40	0.03	1	11/19/15 18:48	11/20/15 01:06	1,6010C	PS
Calcium, Total	ND		mg/kg	4.0	1.2	1	11/19/15 18:48	11/20/15 01:06	1,6010C	PS
Chromium, Total	ND		mg/kg	0.40	0.08	1	11/19/15 18:48	11/20/15 01:06	1,6010C	PS
Cobalt, Total	ND		mg/kg	0.80	0.20	1	11/19/15 18:48	11/20/15 01:06	1,6010C	PS
Copper, Total	ND		mg/kg	0.40	0.08	1	11/19/15 18:48	11/20/15 01:06	1,6010C	PS
Iron, Total	ND		mg/kg	2.0	0.80	1	11/19/15 18:48	11/20/15 01:06	1,6010C	PS
Lead, Total	ND		mg/kg	2.0	0.08	1	11/19/15 18:48	11/20/15 01:06	1,6010C	PS
Magnesium, Total	ND		mg/kg	4.0	0.40	1	11/19/15 18:48	11/20/15 01:06	1,6010C	PS
Manganese, Total	ND		mg/kg	0.40	0.08	1	11/19/15 18:48	11/20/15 01:06	1,6010C	PS
Nickel, Total	ND		mg/kg	1.0	0.16	1	11/19/15 18:48	11/20/15 01:06	1,6010C	PS
Potassium, Total	ND		mg/kg	100	16.	1	11/19/15 18:48	11/20/15 01:06	1,6010C	PS
Selenium, Total	ND		mg/kg	0.80	0.12	1	11/19/15 18:48	11/20/15 01:06	1,6010C	PS
Silver, Total	ND		mg/kg	0.40	0.08	1	11/19/15 18:48	11/20/15 01:06	1,6010C	PS
Sodium, Total	ND		mg/kg	80	12.	1	11/19/15 18:48	11/20/15 01:06	1,6010C	PS
Thallium, Total	ND		mg/kg	0.80	0.16	1	11/19/15 18:48	11/20/15 01:06	1,6010C	PS
Vanadium, Total	ND		mg/kg	0.40	0.04	1	11/19/15 18:48	11/20/15 01:06	1,6010C	PS
Zinc, Total	ND		mg/kg	2.0	0.28	1	11/19/15 18:48	11/20/15 01:06	1,6010C	PS

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02,04,06-09 Batch: WG843078-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	11/21/15 12:15	11/23/15 12:43	1,7471B	DB



Project Name: 15 LARIVIERE & 20 WILKINSON

Lab Number: L1530234

Project Number: 0136-013-007

Report Date: 11/30/15

Method Blank Analysis Batch Quality Control

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): 07 Batch: WG843142-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	11/21/15 10:23	11/24/15 02:28	1,6010C	JH
Antimony, Total	ND		mg/kg	2.0	0.32	1	11/21/15 10:23	11/24/15 02:28	1,6010C	JH
Arsenic, Total	ND		mg/kg	0.40	0.08	1	11/21/15 10:23	11/24/15 02:28	1,6010C	JH
Barium, Total	ND		mg/kg	0.40	0.12	1	11/21/15 10:23	11/24/15 02:28	1,6010C	JH
Beryllium, Total	ND		mg/kg	0.20	0.04	1	11/21/15 10:23	11/24/15 02:28	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.40	0.03	1	11/21/15 10:23	11/24/15 02:28	1,6010C	JH
Calcium, Total	ND		mg/kg	4.0	1.2	1	11/21/15 10:23	11/24/15 02:28	1,6010C	JH
Chromium, Total	ND		mg/kg	0.40	0.08	1	11/21/15 10:23	11/24/15 02:28	1,6010C	JH
Cobalt, Total	ND		mg/kg	0.80	0.20	1	11/21/15 10:23	11/24/15 02:28	1,6010C	JH
Copper, Total	ND		mg/kg	0.40	0.08	1	11/21/15 10:23	11/24/15 02:28	1,6010C	JH
Iron, Total	ND		mg/kg	2.0	0.80	1	11/21/15 10:23	11/24/15 02:28	1,6010C	JH
Lead, Total	ND		mg/kg	2.0	0.08	1	11/21/15 10:23	11/24/15 02:28	1,6010C	JH
Magnesium, Total	ND		mg/kg	4.0	0.40	1	11/21/15 10:23	11/24/15 02:28	1,6010C	JH
Manganese, Total	ND		mg/kg	0.40	0.08	1	11/21/15 10:23	11/24/15 02:28	1,6010C	JH
Nickel, Total	ND		mg/kg	1.0	0.16	1	11/21/15 10:23	11/24/15 02:28	1,6010C	JH
Potassium, Total	ND		mg/kg	100	16.	1	11/21/15 10:23	11/24/15 02:28	1,6010C	JH
Selenium, Total	ND		mg/kg	0.80	0.12	1	11/21/15 10:23	11/24/15 02:28	1,6010C	JH
Silver, Total	ND		mg/kg	0.40	0.08	1	11/21/15 10:23	11/24/15 02:28	1,6010C	JH
Sodium, Total	ND		mg/kg	80	12.	1	11/21/15 10:23	11/24/15 02:28	1,6010C	JH
Thallium, Total	ND		mg/kg	0.80	0.16	1	11/21/15 10:23	11/24/15 02:28	1,6010C	JH
Vanadium, Total	ND		mg/kg	0.40	0.04	1	11/21/15 10:23	11/24/15 02:28	1,6010C	JH
Zinc, Total	ND		mg/kg	2.0	0.28	1	11/21/15 10:23	11/24/15 02:28	1,6010C	JH

Prep Information

Digestion Method: EPA 3050B



Project Name: 15 LARIVIERE & 20 WILKINSON

Lab Number: L1530234

Project Number: 0136-013-007

Report Date: 11/30/15

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): 03,05 Batch: WG843735-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	11/24/15 11:10	11/25/15 13:26	1,7471B	DB

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): 03,05 Batch: WG843751-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	11/24/15 04:38	11/24/15 08:34	1,6010C	JH
Antimony, Total	0.70	J	mg/kg	2.0	0.32	1	11/24/15 04:38	11/24/15 08:34	1,6010C	JH
Arsenic, Total	0.12	J	mg/kg	0.40	0.08	1	11/24/15 04:38	11/24/15 08:34	1,6010C	JH
Barium, Total	ND		mg/kg	0.40	0.12	1	11/24/15 04:38	11/24/15 08:34	1,6010C	JH
Beryllium, Total	ND		mg/kg	0.20	0.04	1	11/24/15 04:38	11/24/15 08:34	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.40	0.03	1	11/24/15 04:38	11/24/15 08:34	1,6010C	JH
Calcium, Total	ND		mg/kg	4.0	1.2	1	11/24/15 04:38	11/24/15 08:34	1,6010C	JH
Chromium, Total	ND		mg/kg	0.40	0.08	1	11/24/15 04:38	11/24/15 08:34	1,6010C	JH
Cobalt, Total	ND		mg/kg	0.80	0.20	1	11/24/15 04:38	11/24/15 08:34	1,6010C	JH
Copper, Total	ND		mg/kg	0.40	0.08	1	11/24/15 04:38	11/24/15 08:34	1,6010C	JH
Iron, Total	ND		mg/kg	2.0	0.80	1	11/24/15 04:38	11/24/15 08:34	1,6010C	JH
Lead, Total	ND		mg/kg	2.0	0.08	1	11/24/15 04:38	11/24/15 08:34	1,6010C	JH
Magnesium, Total	ND		mg/kg	4.0	0.40	1	11/24/15 04:38	11/24/15 08:34	1,6010C	JH
Manganese, Total	ND		mg/kg	0.40	0.08	1	11/24/15 04:38	11/24/15 08:34	1,6010C	JH
Nickel, Total	ND		mg/kg	1.0	0.16	1	11/24/15 04:38	11/24/15 08:34	1,6010C	JH
Potassium, Total	ND		mg/kg	100	16.	1	11/24/15 04:38	11/24/15 08:34	1,6010C	JH
Selenium, Total	ND		mg/kg	0.80	0.12	1	11/24/15 04:38	11/24/15 08:34	1,6010C	JH
Silver, Total	ND		mg/kg	0.40	0.08	1	11/24/15 04:38	11/24/15 08:34	1,6010C	JH
Sodium, Total	ND		mg/kg	80	12.	1	11/24/15 04:38	11/24/15 08:34	1,6010C	JH
Thallium, Total	ND		mg/kg	0.80	0.16	1	11/24/15 04:38	11/24/15 08:34	1,6010C	JH
Vanadium, Total	ND		mg/kg	0.40	0.04	1	11/24/15 04:38	11/24/15 08:34	1,6010C	JH
Zinc, Total	ND		mg/kg	2.0	0.28	1	11/24/15 04:38	11/24/15 08:34	1,6010C	JH

Project Name: 15 LARIVIERE & 20 WILKINSON

Lab Number: L1530234

Project Number: 0136-013-007

Report Date: 11/30/15

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKINSON

Project Number: 0136-013-007

Lab Number: L1530234

Report Date: 11/30/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02,04,06,08-09 Batch: WG842529-2 SRM Lot Number: D088-540								
Aluminum, Total	84		-		48-151	-		
Antimony, Total	178		-		1-208	-		
Arsenic, Total	105		-		79-121	-		
Barium, Total	94		-		83-117	-		
Beryllium, Total	92		-		83-117	-		
Cadmium, Total	91		-		83-117	-		
Calcium, Total	90		-		81-119	-		
Chromium, Total	86		-		80-120	-		
Cobalt, Total	92		-		84-115	-		
Copper, Total	90		-		81-118	-		
Iron, Total	103		-		45-155	-		
Lead, Total	82		-		81-117	-		
Magnesium, Total	84		-		76-124	-		
Manganese, Total	93		-		81-118	-		
Nickel, Total	89		-		83-117	-		
Potassium, Total	93		-		71-129	-		
Selenium, Total	97		-		78-122	-		
Silver, Total	91		-		75-124	-		
Sodium, Total	90		-		72-127	-		
Thallium, Total	95		-		80-120	-		
Vanadium, Total	89		-		78-122	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKINSON
Project Number: 0136-013-007

Lab Number: L1530234
Report Date: 11/30/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02,04,06,08-09 Batch: WG842529-2 SRM Lot Number: D088-540					
Zinc, Total	92	-	82-118	-	
Total Metals - Westborough Lab Associated sample(s): 01-02,04,06-09 Batch: WG843078-2 SRM Lot Number: D088-540					
Mercury, Total	95	-	72-128	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKINSON
Project Number: 0136-013-007

Lab Number: L1530234
Report Date: 11/30/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 07 Batch: WG843142-2 SRM Lot Number: D088-540					
Aluminum, Total	79	-	48-151	-	
Antimony, Total	140	-	1-208	-	
Arsenic, Total	96	-	79-121	-	
Barium, Total	88	-	83-117	-	
Beryllium, Total	92	-	83-117	-	
Cadmium, Total	89	-	83-117	-	
Calcium, Total	89	-	81-119	-	
Chromium, Total	89	-	80-120	-	
Cobalt, Total	86	-	84-115	-	
Copper, Total	90	-	81-118	-	
Iron, Total	89	-	45-155	-	
Lead, Total	94	-	81-117	-	
Magnesium, Total	88	-	76-124	-	
Manganese, Total	84	-	81-118	-	
Nickel, Total	88	-	83-117	-	
Potassium, Total	89	-	71-129	-	
Selenium, Total	91	-	78-122	-	
Silver, Total	93	-	75-124	-	
Sodium, Total	92	-	72-127	-	
Thallium, Total	100	-	80-120	-	
Vanadium, Total	88	-	78-122	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKINSON
Project Number: 0136-013-007

Lab Number: L1530234
Report Date: 11/30/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 07 Batch: WG843142-2 SRM Lot Number: D088-540					
Zinc, Total	92	-	82-118	-	
Total Metals - Westborough Lab Associated sample(s): 03,05 Batch: WG843735-2 SRM Lot Number: D088-540					
Mercury, Total	106	-	72-128	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKINSON

Project Number: 0136-013-007

Lab Number: L1530234

Report Date: 11/30/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03,05 Batch: WG843751-2 SRM Lot Number: D088-540					
Aluminum, Total	84	-	48-151	-	
Antimony, Total	178	-	1-208	-	
Arsenic, Total	105	-	79-121	-	
Barium, Total	99	-	83-117	-	
Beryllium, Total	97	-	83-117	-	
Cadmium, Total	92	-	83-117	-	
Calcium, Total	87	-	81-119	-	
Chromium, Total	90	-	80-120	-	
Cobalt, Total	92	-	84-115	-	
Copper, Total	90	-	81-118	-	
Iron, Total	96	-	45-155	-	
Lead, Total	88	-	81-117	-	
Magnesium, Total	78	-	76-124	-	
Manganese, Total	93	-	81-118	-	
Nickel, Total	93	-	83-117	-	
Potassium, Total	89	-	71-129	-	
Selenium, Total	91	-	78-122	-	
Silver, Total	98	-	75-124	-	
Sodium, Total	97	-	72-127	-	
Thallium, Total	95	-	80-120	-	
Vanadium, Total	94	-	78-122	-	

Lab Control Sample Analysis
Batch Quality Control**Project Name:** 15 LARIVIERE & 20 WILKINSON**Project Number:** 0136-013-007**Lab Number:** L1530234**Report Date:** 11/30/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03,05 Batch: WG843751-2 SRM Lot Number: D088-540					
Zinc, Total	97	-	82-118	-	

Matrix Spike Analysis **Batch Quality Control**

Project Name: 15 LARIVIERE & 20 WILKINSON

Lab Number: L1530234

Project Number: 0136-013-007

Report Date: 11/30/15

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): 01-02,04,06,08-09 QC Batch ID: WG842529-3 WG842529-4 QC Sample: L1530234-01 Client ID: BCP-MW-5(6-8)												
Aluminum, Total	4000	175	4700	400	Q	4800	450	Q	75-125	2		20
Antimony, Total	ND	43.7	39	89		40	90		75-125	3		20
Arsenic, Total	6.0	10.5	17	105		17	103		75-125	0		20
Barium, Total	19.	175	190	98		190	96		75-125	0		20
Beryllium, Total	0.18J	4.37	4.2	96		4.2	94		75-125	0		20
Cadmium, Total	ND	4.46	4.0	90		4.1	90		75-125	2		20
Calcium, Total	22000	874	16000	0	Q	20000	0	Q	75-125	22	Q	20
Chromium, Total	7.2	17.5	22	85		23	89		75-125	4		20
Cobalt, Total	4.7	43.7	43	88		43	86		75-125	0		20
Copper, Total	12.	21.8	32	91		33	94		75-125	3		20
Iron, Total	10000	87.4	11000	1140	Q	11000	1120	Q	75-125	0		20
Lead, Total	9.6	44.6	46	82		56	102		75-125	20		20
Magnesium, Total	8500	874	6900	0	Q	8700	22	Q	75-125	23	Q	20
Manganese, Total	150	43.7	190	91		220	158	Q	75-125	15		20
Nickel, Total	11.	43.7	50	89		49	86		75-125	2		20
Potassium, Total	440	874	1300	98		1400	108		75-125	7		20
Selenium, Total	0.38J	10.5	10	95		10	94		75-125	0		20
Silver, Total	ND	26.2	25	95		25	94		75-125	0		20
Sodium, Total	120J	874	960	110		970	109		75-125	1		20
Thallium, Total	ND	10.5	9.4	90		9.4	88		75-125	0		20
Vanadium, Total	11.	43.7	50	89		50	88		75-125	0		20

Matrix Spike Analysis **Batch Quality Control**

Project Name: 15 LARIVIERE & 20 WILKINSON
Project Number: 0136-013-007

Lab Number: L1530234
Report Date: 11/30/15

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): 01-02,04,06,08-09 QC Batch ID: WG842529-3 WG842529-4 QC Sample: L1530234-01 Client ID: BCP-MW-5(6-8)												
Zinc, Total	42.	43.7	82	91	88	104	75-125	7	20			
Total Metals - Westborough Lab Associated sample(s): 01-02,04,06-09 QC Batch ID: WG843078-3 WG843078-4 QC Sample: L1530234-01 Client ID: BCP-MW-5(6-8)												
Mercury, Total	0.02J	0.149	0.28	187	Q	0.20	139	Q	80-120	33	Q	20
Total Metals - Westborough Lab Associated sample(s): 01-02,04,06-09 QC Batch ID: WG843078-5 WG843078-6 QC Sample: L1530234-07 Client ID: SS-7												
Mercury, Total	0.13	0.172	0.32	110	0.34	121	Q	80-120	6	20		

Matrix Spike Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKINSON

Project Number: 0136-013-007

Lab Number: L1530234

Report Date: 11/30/15

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): 07 QC Batch ID: WG843142-3 WG843142-4 QC Sample: L1530234-07 Client ID: SS-7											
Aluminum, Total	7500	212	9200	800	Q	8000	230	Q	75-125	14	20
Antimony, Total	ND	53.1	39	73	Q	39	72	Q	75-125	0	20
Arsenic, Total	6.4	12.8	18	91		18	89		75-125	0	20
Barium, Total	49.	212	250	94		240	88		75-125	4	20
Beryllium, Total	0.37J	5.31	5.5	104		5.3	97		75-125	4	20
Cadmium, Total	ND	5.42	5.0	92		4.9	88		75-125	2	20
Calcium, Total	8500	1060	10000	141	Q	19000	965	Q	75-125	62	Q 20
Chromium, Total	11.	21.2	32	99		30	87		75-125	6	20
Cobalt, Total	7.8	53.1	52	83		51	79		75-125	2	20
Copper, Total	26.	26.6	54	105		48	81		75-125	12	20
Iron, Total	16000	106	17000	941	Q	15000	0	Q	75-125	13	20
Lead, Total	27.	54.2	74	87		78	92		75-125	5	20
Magnesium, Total	4200	1060	5600	132	Q	9800	515	Q	75-125	55	Q 20
Manganese, Total	510	53.1	510	0	Q	500	0	Q	75-125	2	20
Nickel, Total	18.	53.1	66	90		62	81		75-125	6	20
Potassium, Total	580	1060	1900	124		1700	103		75-125	11	20
Selenium, Total	0.46J	12.8	13	102		13	100		75-125	0	20
Silver, Total	ND	31.9	32	100		31	95		75-125	3	20
Sodium, Total	42.J	1060	1100	104		1100	101		75-125	0	20
Thallium, Total	1.8J	12.8	9.8	77		9.2	70	Q	75-125	6	20
Vanadium, Total	15.	53.1	67	98		63	88		75-125	6	20

Matrix Spike Analysis **Batch Quality Control**

Project Name: 15 LARIVIERE & 20 WILKINSON

Lab Number: L1530234

Project Number: 0136-013-007

Report Date: 11/30/15

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): 07 QC Batch ID: WG843142-3 WG843142-4 QC Sample: L1530234-07 Client ID: SS-7									
Zinc, Total	82.	53.1	140	109	130	88	75-125	7	20
Total Metals - Westborough Lab Associated sample(s): 03,05 QC Batch ID: WG843735-4 QC Sample: L1528212-59 Client ID: MS Sample									
Mercury, Total	6.5	0.135	0.45	0	Q	-	80-120	-	20

Matrix Spike Analysis **Batch Quality Control**

Project Name: 15 LARIVIERE & 20 WILKINSON

Project Number: 0136-013-007

Lab Number: L1530234

Report Date: 11/30/15

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): 03,05 QC Batch ID: WG843751-4 QC Sample: L1530824-01 Client ID: MS Sample									
Aluminum, Total	7700	216	10000	1070	Q	-	75-125	-	20
Antimony, Total	2.1J	53.9	51	95	-	-	75-125	-	20
Arsenic, Total	16.	12.9	32	124	-	-	75-125	-	20
Barium, Total	52.	216	270	101	-	-	75-125	-	20
Beryllium, Total	0.45J	5.39	5.6	104	-	-	75-125	-	20
Cadmium, Total	0.09J	5.5	5.6	102	-	-	75-125	-	20
Calcium, Total	3400	1080	4400	93	-	-	75-125	-	20
Chromium, Total	29.	21.6	67	176	Q	-	75-125	-	20
Cobalt, Total	12.	53.9	59	87	-	-	75-125	-	20
Copper, Total	66.	26.9	100	126	Q	-	75-125	-	20
Iron, Total	20000	108	24000	3710	Q	-	75-125	-	20
Lead, Total	170	55	130	0	Q	-	75-125	-	20
Magnesium, Total	3100	1080	4600	139	Q	-	75-125	-	20
Manganese, Total	680	53.9	660	0	Q	-	75-125	-	20
Nickel, Total	15.	53.9	65	93	-	-	75-125	-	20
Potassium, Total	880	1080	2100	113	-	-	75-125	-	20
Selenium, Total	ND	12.9	12	93	-	-	75-125	-	20
Silver, Total	ND	32.3	30	93	-	-	75-125	-	20
Sodium, Total	260	1080	1700	134	Q	-	75-125	-	20
Thallium, Total	0.48J	12.9	11	85	-	-	75-125	-	20
Vanadium, Total	22.	53.9	77	102	-	-	75-125	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKINSON

Lab Number: L1530234

Project Number: 0136-013-007

Report Date: 11/30/15

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): 03,05 QC Batch ID: WG843751-4 QC Sample: L1530824-01 Client ID: MS Sample									
Zinc, Total	470	53.9	500	56	Q	-	75-125	-	20

Project Name: 15 LARIVIERE & 20 WILKINSON
Project Number: 0136-013-007

Lab Duplicate Analysis

Batch Quality Control

Lab Number: L1530234
Report Date: 11/30/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03,05 QC Batch ID: WG843735-3 QC Sample: L1528212-59 Client ID: DUP Sample						
Mercury, Total	6.5	0.71	mg/kg	161	Q	20
Total Metals - Westborough Lab Associated sample(s): 03,05 QC Batch ID: WG843751-3 QC Sample: L1530824-01 Client ID: DUP Sample						
Lead, Total	170	110	mg/kg	43	Q	20

INORGANICS & MISCELLANEOUS

Project Name: 15 LARIVIERE & 20 WILKINSON
Project Number: 0136-013-007

Lab Number: L1530234
Report Date: 11/30/15

SAMPLE RESULTS

Lab ID: L1530234-01
Client ID: BCP-MW-5(6-8)
Sample Location: BUFFALO, NY
Matrix: Soil

Date Collected: 11/17/15 13:07
Date Received: 11/18/15
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	88.8		%	0.100	NA	1	-	11/19/15 23:30	30,2540G	RT



Project Name: 15 LARIVIERE & 20 WILKINSON
Project Number: 0136-013-007

Lab Number: L1530234
Report Date: 11/30/15

SAMPLE RESULTS

Lab ID: L1530234-02
Client ID: SS-1
Sample Location: BUFFALO, NY
Matrix: Soil

Date Collected: 11/17/15 08:45
Date Received: 11/18/15
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	72.8		%	0.100	NA	1	-	11/19/15 23:30	30,2540G	RT



Project Name: 15 LARIVIERE & 20 WILKINSON
Project Number: 0136-013-007

Lab Number: L1530234
Report Date: 11/30/15

SAMPLE RESULTS

Lab ID: L1530234-03
Client ID: SS-4
Sample Location: BUFFALO, NY
Matrix: Soil

Date Collected: 11/17/15 15:45
Date Received: 11/18/15
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	85.5		%	0.100	NA	1	-	11/24/15 00:44	30,2540G	RT



Project Name: 15 LARIVIERE & 20 WILKINSON
Project Number: 0136-013-007

Lab Number: L1530234
Report Date: 11/30/15

SAMPLE RESULTS

Lab ID: L1530234-04
Client ID: SS-5
Sample Location: BUFFALO, NY
Matrix: Soil

Date Collected: 11/17/15 15:48
Date Received: 11/18/15
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	75.5		%	0.100	NA	1	-	11/19/15 23:30	30,2540G	RT



Project Name: 15 LARIVIERE & 20 WILKINSON
Project Number: 0136-013-007

Lab Number: L1530234
Report Date: 11/30/15

SAMPLE RESULTS

Lab ID: L1530234-05
Client ID: SS-6
Sample Location: BUFFALO, NY
Matrix: Soil

Date Collected: 11/17/15 15:34
Date Received: 11/18/15
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	79.2		%	0.100	NA	1	-	11/24/15 00:44	30,2540G	RT



Project Name: 15 LARIVIERE & 20 WILKINSON
Project Number: 0136-013-007

Lab Number: L1530234
Report Date: 11/30/15

SAMPLE RESULTS

Lab ID: L1530234-06
Client ID: BLIND DUP #2
Sample Location: BUFFALO, NY
Matrix: Soil

Date Collected: 11/17/15 12:00
Date Received: 11/18/15
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	75.9		%	0.100	NA	1	-	11/19/15 23:30	30,2540G	RT



Project Name: 15 LARIVIERE & 20 WILKINSON
Project Number: 0136-013-007

Lab Number: L1530234
Report Date: 11/30/15

SAMPLE RESULTS

Lab ID: L1530234-07
Client ID: SS-7
Sample Location: BUFFALO, NY
Matrix: Soil

Date Collected: 11/17/15 15:25
Date Received: 11/18/15
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	73.3		%	0.100	NA	1	-	11/19/15 23:30	30,2540G	RT



Project Name: 15 LARIVIERE & 20 WILKINSON
Project Number: 0136-013-007

Lab Number: L1530234
Report Date: 11/30/15

SAMPLE RESULTS

Lab ID: L1530234-08
Client ID: SS-8
Sample Location: BUFFALO, NY
Matrix: Soil

Date Collected: 11/17/15 15:35
Date Received: 11/18/15
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	72.5		%	0.100	NA	1	-	11/19/15 23:30	30,2540G	RT



Project Name: 15 LARIVIERE & 20 WILKINSON
Project Number: 0136-013-007

Lab Number: L1530234
Report Date: 11/30/15

SAMPLE RESULTS

Lab ID: L1530234-09
Client ID: SS-9
Sample Location: BUFFALO, NY
Matrix: Soil

Date Collected: 11/17/15 15:52
Date Received: 11/18/15
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	77.0		%	0.100	NA	1	-	11/19/15 23:30	30,2540G	RT



Project Name: 15 LARIVIERE & 20 WILKINSON
Project Number: 0136-013-007

Lab Duplicate Analysis

Batch Quality Control

Lab Number: L1530234
Report Date: 11/30/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02,04,06-09 QC Batch ID: WG842605-1 QC Sample: L1530234-01 Client ID: BCP-MW-5(6-8)						
Solids, Total	88.8	88.3	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 03,05 QC Batch ID: WG843726-1 QC Sample: L1529900-03 Client ID: DUP Sample						
Solids, Total	79.2	79.9	%	1		20

Project Name: 15 LARIVIERE & 20 WILKINSON

Lab Number: L1530234

Project Number: 0136-013-007

Report Date: 11/30/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 11/19/2015 06:25

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1530234-01A	5 gram Encore Sampler	A	N/A	4.8	Y	Absent	NYTCL-8260HLW(2)
L1530234-01A1	5 gram Encore Sampler	A	N/A	4.8	Y	Absent	NYTCL-8260HLW(2)
L1530234-01A2	5 gram Encore Sampler	A	N/A	4.8	Y	Absent	NYTCL-8260HLW(2)
L1530234-01B	5 gram Encore Sampler	A	N/A	4.8	Y	Absent	NYTCL-8260HLW(2)
L1530234-01B1	5 gram Encore Sampler	A	N/A	4.8	Y	Absent	NYTCL-8260HLW(2)
L1530234-01B2	5 gram Encore Sampler	A	N/A	4.8	Y	Absent	NYTCL-8260HLW(2)
L1530234-01C	5 gram Encore Sampler	A	N/A	4.8	Y	Absent	NYTCL-8260HLW(2)
L1530234-01C1	5 gram Encore Sampler	A	N/A	4.8	Y	Absent	NYTCL-8260HLW(2)
L1530234-01C2	5 gram Encore Sampler	A	N/A	4.8	Y	Absent	NYTCL-8260HLW(2)
L1530234-01D	Glass 500ml/16oz unpreserved	A	N/A	4.8	Y	Absent	BE-TI(180),NYTCL-8270(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)
L1530234-01D1	Glass 500ml/16oz unpreserved	A	N/A	4.8	Y	Absent	BE-TI(180),NYTCL-8270(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),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: 15 LARIVIERE & 20 WILKINSON

Project Number: 0136-013-007

Lab Number: L1530234

Report Date: 11/30/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1530234-01D2	Glass 500ml/16oz unpreserved	A	N/A	4.8	Y	Absent	BE-Ti(180),NYTCL-8270(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),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)
L1530234-01X	Vial MeOH preserved	A	N/A	4.8	Y	Absent	NYTCL-8260HLW(14)
L1530234-01X1	Vial MeOH preserved	A	N/A	4.8	Y	Absent	NYTCL-8260HLW(14)
L1530234-01X2	Vial MeOH preserved	A	N/A	4.8	Y	Absent	NYTCL-8260HLW(14)
L1530234-01Y	Vial water preserved	A	N/A	4.8	Y	Absent	NYTCL-8260HLW(14)
L1530234-01Y1	Vial water preserved	A	N/A	4.8	Y	Absent	NYTCL-8260HLW(14)
L1530234-01Y2	Vial water preserved	A	N/A	4.8	Y	Absent	NYTCL-8260HLW(14)
L1530234-01Z	Vial water preserved	A	N/A	4.8	Y	Absent	NYTCL-8260HLW(14)
L1530234-01Z1	Vial water preserved	A	N/A	4.8	Y	Absent	NYTCL-8260HLW(14)
L1530234-01Z2	Vial water preserved	A	N/A	4.8	Y	Absent	NYTCL-8260HLW(14)
L1530234-02A	Glass 250ml/8oz unpreserved	A	N/A	4.8	Y	Absent	BE-Ti(180),NYTCL-8270(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)
L1530234-02B	Glass 250ml/8oz unpreserved	A	N/A	4.8	Y	Absent	BE-Ti(180),NYTCL-8270(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: 15 LARIVIERE & 20 WILKINSON

Project Number: 0136-013-007

Lab Number: L1530234

Report Date: 11/30/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1530234-03A	Glass 500ml/16oz unpreserved	A	N/A	4.8	Y	Absent	BE-Ti(180),NYTCL-8270(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)
L1530234-04A	Glass 500ml/16oz unpreserved	A	N/A	4.8	Y	Absent	BE-Ti(180),NYTCL-8270(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)
L1530234-05A	Glass 500ml/16oz unpreserved	A	N/A	4.8	Y	Absent	BE-Ti(180),NYTCL-8270(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)
L1530234-06A	Glass 500ml/16oz unpreserved	A	N/A	4.8	Y	Absent	BE-Ti(180),NYTCL-8270(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: 15 LARIVIERE & 20 WILKINSON

Project Number: 0136-013-007

Lab Number: L1530234

Report Date: 11/30/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1530234-07A	Glass 500ml/16oz unpreserved	A	N/A	4.8	Y	Absent	BE-Ti(180),NYTCL-8270(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)
L1530234-07A1	Glass 500ml/16oz unpreserved	A	N/A	4.8	Y	Absent	BE-Ti(180),NYTCL-8270(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)
L1530234-07A2	Glass 500ml/16oz unpreserved	A	N/A	4.8	Y	Absent	BE-Ti(180),NYTCL-8270(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)
L1530234-08A	Glass 500ml/16oz unpreserved	A	N/A	4.8	Y	Absent	BE-Ti(180),NYTCL-8270(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: 15 LARIVIERE & 20 WILKINSON

Project Number: 0136-013-007

Lab Number: L1530234

Report Date: 11/30/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1530234-09A	Glass 250ml/8oz unpreserved	A	N/A	4.8	Y	Absent	BE-Ti(180),NYTCL-8270(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)
L1530234-09B	Glass 250ml/8oz unpreserved	A	N/A	4.8	Y	Absent	BE-Ti(180),NYTCL-8270(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)

Container Comments

L1530234-03A

L1530234-05A

*Values in parentheses indicate holding time in days

Project Name: 15 LARIVIERE & 20 WILKINSON
Project Number: 0136-013-007

Lab Number: L1530234
Report Date: 11/30/15

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.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

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

Terms

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).

Report Format: DU Report with 'J' Qualifiers



Project Name: 15 LARIVIERE & 20 WILKINSON
Project Number: 0136-013-007

Lab Number: L1530234
Report Date: 11/30/15

Data Qualifiers

- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: 15 LARIVIERE & 20 WILKINSON
Project Number: 0136-013-007

Lab Number: L1530234
Report Date: 11/30/15

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

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

Westborough Facility

EPA 8260C: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; Iodomethane (methyl iodide) (soil); Methyl methacrylate (soil); Azobenzene.

EPA 8270D: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 625: 4-Chloroaniline, 4-Methylphenol.

SM4500: Soil: Total Phosphorus, TKN, NO₂, NO₃.

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, SM4500CI-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.**

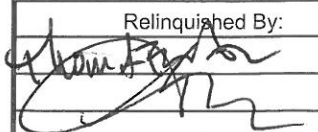
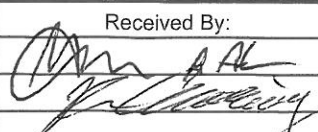
EPA 624: Volatile Halocarbons & Aromatics,

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		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 11/19/15		ALPHA Job # LS302341																																																																																																																																												
		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																																																																																																																																																
Project Information Project Name: 15 Lavinia & 20 Wilkinson Way Project Location: Buffalo NY Project # 0136-013-007 (Use Project name as Project #) ☒				Deliverables ☐ ASP-A ☐ ASP-B ☐ EQUIS (1 File) ☐ EQUIS (4 File) ☐ Other				Billing Information ☐ Same as Client Info PO #																																																																																																																																												
Client Information Client: Tuskey Environmental Res Address: 2558 Hamburg Turnpike Lockwood NY 14218 suite 300 Phone: (716) 818-8358 Fax: (716) 856-0583 Email: TBchenet@tuskeyllc.com				Project Manager: Nate Munley ALPHAQuote #: Turn-Around Time Standard ☒ Due Date: Rush (only if pre approved) ☒ # of Days:				Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge																																																																																																																																												
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<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">ALPHA Lab ID (Lab Use Only)</th> <th rowspan="2">Sample ID</th> <th colspan="2">Collection</th> <th rowspan="2">Sample Matrix</th> <th rowspan="2">Sampler's Initials</th> <th rowspan="2">TCL+CP-51 VOC</th> <th rowspan="2">TCL SVOC</th> <th rowspan="2">TAL METALS</th> <th rowspan="2">PCBS</th> <th rowspan="2">PEST</th> <th rowspan="2">Herb</th> <th rowspan="2">Total Bottle</th> </tr> <tr> <th>Date</th> <th>Time</th> </tr> </thead> <tbody> <tr> <td>302341-01</td> <td>BCP-MW-5 (6-8) ms/msd</td> <td>11/17/15</td> <td>1307</td> <td>Soil</td> <td>TAB</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>12</td> </tr> <tr> <td>02</td> <td>SS-1</td> <td></td> <td>845</td> <td></td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>2</td> </tr> <tr> <td>03</td> <td>SS-4</td> <td></td> <td>1545</td> <td></td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>1</td> </tr> <tr> <td>04</td> <td>SS-5</td> <td></td> <td>1548</td> <td></td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>1</td> </tr> <tr> <td>05</td> <td>SS-6</td> <td></td> <td>1534</td> <td></td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>1</td> </tr> <tr> <td>06</td> <td>Blank Dup #2</td> <td></td> <td>1200</td> <td></td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>1</td> </tr> <tr> <td>07</td> <td>SS-7 (ms/msd)</td> <td>11/18/15</td> <td>1525</td> <td></td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>3</td> </tr> <tr> <td>08</td> <td>SS-8</td> <td>11/17/15</td> <td>1535</td> <td></td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>1</td> </tr> <tr> <td>09</td> <td>SS-9</td> <td></td> <td>1552</td> <td></td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>2</td> </tr> </tbody> </table>				ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	TCL+CP-51 VOC	TCL SVOC	TAL METALS	PCBS	PEST	Herb	Total Bottle	Date	Time	302341-01	BCP-MW-5 (6-8) ms/msd	11/17/15	1307	Soil	TAB	X	X	X	X	X	X	12	02	SS-1		845				X	X	X	X	X	2	03	SS-4		1545				X	X	X	X	X	1	04	SS-5		1548				X	X	X	X	X	1	05	SS-6		1534				X	X	X	X	X	1	06	Blank Dup #2		1200				X	X	X	X	X	1	07	SS-7 (ms/msd)	11/18/15	1525				X	X	X	X	X	3	08	SS-8	11/17/15	1535				X	X	X	X	X	1	09	SS-9		1552				X	X	X	X	X	2	ANALYSIS <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Sample Filtration</th> <th>Preservation</th> <th>Sample Specific Comments</th> </tr> </thead> <tbody> <tr> <td>☐ Done ☐ Lab to do</td> <td>☐ Lab to do</td> <td></td> </tr> <tr> <td colspan="3">(Please Specify below)</td> </tr> </tbody> </table>				Sample Filtration	Preservation	Sample Specific Comments	☐ Done ☐ Lab to do	☐ Lab to do		(Please Specify below)		
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ANALYTICAL REPORT

Lab Number:	L1533270
Client:	Turnkey Environmental Restoration, LLC 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Nate Munley
Phone:	(716) 856-0599
Project Name:	15 LARIVIERE & 20 WILKESON WAY
Project Number:	0136-013-007
Report Date:	12/28/15

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: 15 LARIVIERE & 20 WILKESON WAY
Project Number: 0136-013-007

Lab Number: L1533270
Report Date: 12/28/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1533270-01	BCP-MW-1	WATER	BUFFALO, NY	12/15/15 14:21	12/16/15
L1533270-02	BCP-MW-2	WATER	BUFFALO, NY	12/15/15 13:14	12/16/15
L1533270-03	BCP-MW-3	WATER	BUFFALO, NY	12/15/15 12:12	12/16/15
L1533270-04	BCP-MW-4	WATER	BUFFALO, NY	12/15/15 15:10	12/16/15
L1533270-05	BCP-MW-5	WATER	BUFFALO, NY	12/15/15 16:04	12/16/15
L1533270-06	TRIP BLANK	WATER	BUFFALO, NY	12/15/15 00:00	12/16/15

Project Name: 15 LARIVIERE & 20 WILKESON WAY
Project Number: 0136-013-007

Lab Number: L1533270
Report Date: 12/28/15

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. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

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

HOLD POLICY

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

Please contact Client Services at 800-624-9220 with any questions.

Project Name: 15 LARIVIERE & 20 WILKESON WAY
Project Number: 0136-013-007

Lab Number: L1533270
Report Date: 12/28/15

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

L1533270-05: The sample has elevated detection limits due to the dilution required by the sample matrix (foam).

Pesticides

L1533270-03: The sample has elevated detection limits due to the dilution required by the sample matrix.

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

Authorized Signature:

 Kelly Stenstrom

Title: Technical Director/Representative

Date: 12/28/15

ORGANICS

VOLATILES

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533270**Project Number:** 0136-013-007**Report Date:** 12/28/15**SAMPLE RESULTS**

Lab ID: L1533270-01
Client ID: BCP-MW-1
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/23/15 01:58
Analyst: MS

Date Collected: 12/15/15 14:21
Date Received: 12/16/15
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	21		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.31	J	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: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533270**Project Number:** 0136-013-007**Report Date:** 12/28/15**SAMPLE RESULTS****Lab ID:** L1533270-01**Date Collected:** 12/15/15 14:21**Client ID:** BCP-MW-1**Date Received:** 12/16/15**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	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	0.93	J	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	7.3		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	0.52	J	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	111		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	101		70-130

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533270**Project Number:** 0136-013-007**Report Date:** 12/28/15**SAMPLE RESULTS**

Lab ID: L1533270-02
Client ID: BCP-MW-2
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/23/15 02:31
Analyst: MS

Date Collected: 12/15/15 13:14
Date Received: 12/16/15
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	0.07	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: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533270**Project Number:** 0136-013-007**Report Date:** 12/28/15**SAMPLE RESULTS****Lab ID:** L1533270-02**Date Collected:** 12/15/15 13:14**Client ID:** BCP-MW-2**Date Received:** 12/16/15**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	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	5.3		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	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	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	102		70-130

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533270**Project Number:** 0136-013-007**Report Date:** 12/28/15**SAMPLE RESULTS**

Lab ID: L1533270-03
Client ID: BCP-MW-3
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/23/15 03:03
Analyst: MS

Date Collected: 12/15/15 12:12
Date Received: 12/16/15
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	0.07	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: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533270**Project Number:** 0136-013-007**Report Date:** 12/28/15**SAMPLE RESULTS****Lab ID:** L1533270-03**Date Collected:** 12/15/15 12:12**Client ID:** BCP-MW-3**Date Received:** 12/16/15**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	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	170		ug/l	5.0	1.5	1
Carbon disulfide	2.2	J	ug/l	5.0	1.0	1
2-Butanone	2.1	J	ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	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	111		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	104		70-130

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533270**Project Number:** 0136-013-007**Report Date:** 12/28/15**SAMPLE RESULTS**

Lab ID: L1533270-04
Client ID: BCP-MW-4
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/23/15 03:36
Analyst: MS

Date Collected: 12/15/15 15:10
Date Received: 12/16/15
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	0.07	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: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533270**Project Number:** 0136-013-007**Report Date:** 12/28/15**SAMPLE RESULTS****Lab ID:** L1533270-04**Date Collected:** 12/15/15 15:10**Client ID:** BCP-MW-4**Date Received:** 12/16/15**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	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	12		ug/l	5.0	1.5	1
Carbon disulfide	2.1	J	ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	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	119		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	104		70-130

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533270**Project Number:** 0136-013-007**Report Date:** 12/28/15**SAMPLE RESULTS**

Lab ID: L1533270-05 D
 Client ID: BCP-MW-5
 Sample Location: BUFFALO, NY
 Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 12/23/15 04:08
 Analyst: MS

Date Collected: 12/15/15 16:04
 Date Received: 12/16/15
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	12	3.5	5
1,1-Dichloroethane	ND		ug/l	12	3.5	5
Chloroform	ND		ug/l	12	3.5	5
Carbon tetrachloride	ND		ug/l	2.5	0.67	5
1,2-Dichloropropane	ND		ug/l	5.0	0.66	5
Dibromochloromethane	ND		ug/l	2.5	0.74	5
1,1,2-Trichloroethane	ND		ug/l	7.5	2.5	5
Tetrachloroethene	ND		ug/l	2.5	0.90	5
Chlorobenzene	ND		ug/l	12	3.5	5
Trichlorofluoromethane	ND		ug/l	12	3.5	5
1,2-Dichloroethane	ND		ug/l	2.5	0.66	5
1,1,1-Trichloroethane	ND		ug/l	12	3.5	5
Bromodichloromethane	ND		ug/l	2.5	0.96	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	0.82	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	0.72	5
Bromoform	ND		ug/l	10	3.2	5
1,1,2,2-Tetrachloroethane	ND		ug/l	2.5	0.72	5
Benzene	ND		ug/l	2.5	0.80	5
Toluene	ND		ug/l	12	3.5	5
Ethylbenzene	ND		ug/l	12	3.5	5
Chloromethane	ND		ug/l	12	3.5	5
Bromomethane	ND		ug/l	12	3.5	5
Vinyl chloride	ND		ug/l	5.0	0.35	5
Chloroethane	ND		ug/l	12	3.5	5
1,1-Dichloroethene	ND		ug/l	2.5	0.71	5
trans-1,2-Dichloroethene	ND		ug/l	12	3.5	5
Trichloroethene	ND		ug/l	2.5	0.88	5
1,2-Dichlorobenzene	ND		ug/l	12	3.5	5
1,3-Dichlorobenzene	ND		ug/l	12	3.5	5
1,4-Dichlorobenzene	ND		ug/l	12	3.5	5

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533270**Project Number:** 0136-013-007**Report Date:** 12/28/15**SAMPLE RESULTS**

Lab ID: L1533270-05 D

Date Collected: 12/15/15 16:04

Client ID: BCP-MW-5

Date Received: 12/16/15

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	12	3.5	5
p/m-Xylene	ND		ug/l	12	3.5	5
o-Xylene	ND		ug/l	12	3.5	5
cis-1,2-Dichloroethene	ND		ug/l	12	3.5	5
Styrene	ND		ug/l	12	3.5	5
Dichlorodifluoromethane	ND		ug/l	25	5.0	5
Acetone	8.2	J	ug/l	25	7.3	5
Carbon disulfide	ND		ug/l	25	5.0	5
2-Butanone	ND		ug/l	25	9.7	5
4-Methyl-2-pentanone	ND		ug/l	25	5.0	5
2-Hexanone	ND		ug/l	25	5.0	5
Bromochloromethane	ND		ug/l	12	3.5	5
1,2-Dibromoethane	ND		ug/l	10	3.2	5
1,2-Dibromo-3-chloropropane	ND		ug/l	12	3.5	5
Isopropylbenzene	ND		ug/l	12	3.5	5
1,2,3-Trichlorobenzene	ND		ug/l	12	3.5	5
1,2,4-Trichlorobenzene	ND		ug/l	12	3.5	5
Methyl Acetate	ND		ug/l	10	1.2	5
Cyclohexane	ND		ug/l	50	1.4	5
1,4-Dioxane	ND		ug/l	1200	200	5
Freon-113	ND		ug/l	12	3.5	5
Methyl cyclohexane	ND		ug/l	50	2.0	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	104		70-130

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533270**Project Number:** 0136-013-007**Report Date:** 12/28/15**SAMPLE RESULTS**

Lab ID: L1533270-06
Client ID: TRIP BLANK
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/22/15 22:07
Analyst: MS

Date Collected: 12/15/15 00:00
Date Received: 12/16/15
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	0.07	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: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533270**Project Number:** 0136-013-007**Report Date:** 12/28/15**SAMPLE RESULTS****Lab ID:** L1533270-06**Date Collected:** 12/15/15 00:00**Client ID:** TRIP BLANK**Date Received:** 12/16/15**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	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	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	112		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	98		70-130

Project Name: 15 LARIVIERE & 20 WILKESON WAY

Lab Number: L1533270

Project Number: 0136-013-007

Report Date: 12/28/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 12/22/15 21:00

Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG852711-3					
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	0.07
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: 15 LARIVIERE & 20 WILKESON WAY

Lab Number: L1533270

Project Number: 0136-013-007

Report Date: 12/28/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 12/22/15 21:00
 Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG852711-3					
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
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	41.
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

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533270**Project Number:** 0136-013-007**Report Date:** 12/28/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 12/22/15 21:00
 Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG852711-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKESON WAY
Project Number: 0136-013-007

Lab Number: L1533270
Report Date: 12/28/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG852711-1 WG852711-2								
Methylene chloride	87		86		70-130	1		20
1,1-Dichloroethane	91		90		70-130	1		20
Chloroform	93		89		70-130	4		20
2-Chloroethylvinyl ether	88		87		70-130	1		20
Carbon tetrachloride	90		87		63-132	3		20
1,2-Dichloropropane	89		88		70-130	1		20
Dibromochloromethane	95		95		63-130	0		20
1,1,2-Trichloroethane	94		96		70-130	2		20
Tetrachloroethene	88		87		70-130	1		20
Chlorobenzene	88		89		75-130	1		20
Trichlorofluoromethane	93		90		62-150	3		20
1,2-Dichloroethane	102		98		70-130	4		20
1,1,1-Trichloroethane	91		89		67-130	2		20
Bromodichloromethane	95		89		67-130	7		20
trans-1,3-Dichloropropene	86		86		70-130	0		20
cis-1,3-Dichloropropene	85		83		70-130	2		20
1,1-Dichloropropene	87		85		70-130	2		20
Bromoform	93		93		54-136	0		20
1,1,2,2-Tetrachloroethane	96		96		67-130	0		20
Benzene	88		88		70-130	0		20
Toluene	85		86		70-130	1		20

Lab Control Sample Analysis Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKESON WAY
Project Number: 0136-013-007

Lab Number: L1533270
Report Date: 12/28/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG852711-1 WG852711-2								
Ethylbenzene	89		90		70-130	1		20
Chloromethane	59	Q	52	Q	64-130	13		20
Bromomethane	72		70		39-139	3		20
Vinyl chloride	93		90		55-140	3		20
Chloroethane	88		86		55-138	2		20
1,1-Dichloroethene	93		90		61-145	3		20
trans-1,2-Dichloroethene	86		87		70-130	1		20
Trichloroethene	89		85		70-130	5		20
1,2-Dichlorobenzene	92		92		70-130	0		20
1,3-Dichlorobenzene	90		89		70-130	1		20
1,4-Dichlorobenzene	88		89		70-130	1		20
Methyl tert butyl ether	94		95		63-130	1		20
p/m-Xylene	89		90		70-130	1		20
o-Xylene	87		88		70-130	1		20
cis-1,2-Dichloroethene	82		89		70-130	8		20
Dibromomethane	96		94		70-130	2		20
1,2,3-Trichloropropane	93		95		64-130	2		20
Acrylonitrile	99		93		70-130	6		20
Isopropyl Ether	87		86		70-130	1		20
tert-Butyl Alcohol	83		94		70-130	12		20
Styrene	91		92		70-130	1		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 15 LARIVIERE & 20 WILKESON WAY
Project Number: 0136-013-007

Lab Number: L1533270
Report Date: 12/28/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG852711-1 WG852711-2								
Dichlorodifluoromethane	105		101		36-147	4		20
Acetone	90		79		58-148	13		20
Carbon disulfide	88		82		51-130	7		20
2-Butanone	85		88		63-138	3		20
Vinyl acetate	89		92		70-130	3		20
4-Methyl-2-pentanone	94		93		59-130	1		20
2-Hexanone	90		97		57-130	7		20
Acrolein	158		157		40-160	1		20
Bromochloromethane	97		96		70-130	1		20
2,2-Dichloropropane	92		89		63-133	3		20
1,2-Dibromoethane	92		93		70-130	1		20
1,3-Dichloropropane	92		92		70-130	0		20
1,1,1,2-Tetrachloroethane	93		94		64-130	1		20
Bromobenzene	90		89		70-130	1		20
n-Butylbenzene	91		88		53-136	3		20
sec-Butylbenzene	89		87		70-130	2		20
tert-Butylbenzene	86		85		70-130	1		20
o-Chlorotoluene	90		88		70-130	2		20
p-Chlorotoluene	90		89		70-130	1		20
1,2-Dibromo-3-chloropropane	107		106		41-144	1		20
Hexachlorobutadiene	89		85		63-130	5		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 15 LARIVIERE & 20 WILKESON WAY
Project Number: 0136-013-007

Lab Number: L1533270
Report Date: 12/28/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG852711-1 WG852711-2								
Isopropylbenzene	89		89		70-130	0		20
p-Isopropyltoluene	90		88		70-130	2		20
Naphthalene	108		116		70-130	7		20
n-Propylbenzene	89		88		69-130	1		20
1,2,3-Trichlorobenzene	105		108		70-130	3		20
1,2,4-Trichlorobenzene	97		100		70-130	3		20
1,3,5-Trimethylbenzene	90		89		64-130	1		20
1,2,4-Trimethylbenzene	92		90		70-130	2		20
Methyl Acetate	83		94		70-130	12		20
Ethyl Acetate	92		95		70-130	3		20
Cyclohexane	81		78		70-130	4		20
Ethyl-Tert-Butyl-Ether	91		93		70-130	2		20
Tertiary-Amyl Methyl Ether	88		91		66-130	3		20
1,4-Dioxane	102		100		56-162	2		20
1,1,2-Trichloro-1,2,2-Trifluoroethane	86		82		70-130	5		20
p-Diethylbenzene	87		86		70-130	1		20
p-Ethyltoluene	82		80		70-130	2		20
1,2,4,5-Tetramethylbenzene	81		81		70-130	0		20
Ethyl ether	93		93		59-134	0		20
trans-1,4-Dichloro-2-butene	83		83		70-130	0		20
Iodomethane	78		80		70-130	3		20

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533270**Project Number:** 0136-013-007**Report Date:** 12/28/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG852711-1 WG852711-2								
Methyl cyclohexane	81		79		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	109		109		70-130
Toluene-d8	99		100		70-130
4-Bromofluorobenzene	97		95		70-130
Dibromofluoromethane	104		104		70-130

SEMIVOLATILES

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533270**Project Number:** 0136-013-007**Report Date:** 12/28/15**SAMPLE RESULTS**

Lab ID: L1533270-01
Client ID: BCP-MW-1
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 12/24/15 14:32
Analyst: RC

Date Collected: 12/15/15 14:21
Date Received: 12/16/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/20/15 03:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.1	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533270**Project Number:** 0136-013-007**Report Date:** 12/28/15**SAMPLE RESULTS****Lab ID:** L1533270-01**Date Collected:** 12/15/15 14:21**Client ID:** BCP-MW-1**Date Received:** 12/16/15**Sample Location:** BUFFALO, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
2-Methylphenol	ND		ug/l	5.0	1.0	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Benzoic Acid	ND		ug/l	50	13.	1
Benzyl Alcohol	ND		ug/l	2.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	3.6	1
Atrazine	ND		ug/l	10	1.8	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	112		23-120
2-Fluorobiphenyl	121	Q	15-120
2,4,6-Tribromophenol	135	Q	10-120
4-Terphenyl-d14	121		41-149

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533270**Project Number:** 0136-013-007**Report Date:** 12/28/15**SAMPLE RESULTS**

Lab ID: L1533270-01
Client ID: BCP-MW-1
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/24/15 08:24
Analyst: KV

Date Collected: 12/15/15 14:21
Date Received: 12/16/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/20/15 03:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	0.36		ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	ND		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04	1
Pyrene	ND		ug/l	0.20	0.04	1
2-Methylnaphthalene	0.30		ug/l	0.20	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533270**Project Number:** 0136-013-007**Report Date:** 12/28/15**SAMPLE RESULTS**

Lab ID: L1533270-01

Date Collected: 12/15/15 14:21

Client ID: BCP-MW-1

Date Received: 12/16/15

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	28		10-120
Nitrobenzene-d5	104		23-120
2-Fluorobiphenyl	112		15-120
2,4,6-Tribromophenol	127	Q	10-120
4-Terphenyl-d14	125		41-149

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533270**Project Number:** 0136-013-007**Report Date:** 12/28/15**SAMPLE RESULTS**

Lab ID: L1533270-02
Client ID: BCP-MW-2
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 12/24/15 14:57
Analyst: RC

Date Collected: 12/15/15 13:14
Date Received: 12/16/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/20/15 03:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	1.8	J	ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.1	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533270**Project Number:** 0136-013-007**Report Date:** 12/28/15**SAMPLE RESULTS****Lab ID:** L1533270-02**Date Collected:** 12/15/15 13:14**Client ID:** BCP-MW-2**Date Received:** 12/16/15**Sample Location:** BUFFALO, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
2-Methylphenol	ND		ug/l	5.0	1.0	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Benzoic Acid	ND		ug/l	50	13.	1
Benzyl Alcohol	ND		ug/l	2.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	3.6	1
Atrazine	ND		ug/l	10	1.8	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	109		23-120
2-Fluorobiphenyl	116		15-120
2,4,6-Tribromophenol	110		10-120
4-Terphenyl-d14	115		41-149

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533270**Project Number:** 0136-013-007**Report Date:** 12/28/15**SAMPLE RESULTS**

Lab ID: L1533270-02
Client ID: BCP-MW-2
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/24/15 08:49
Analyst: KV

Date Collected: 12/15/15 13:14
Date Received: 12/16/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/20/15 03:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	ND		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04	1
Pyrene	ND		ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533270**Project Number:** 0136-013-007**Report Date:** 12/28/15**SAMPLE RESULTS**

Lab ID: L1533270-02

Date Collected: 12/15/15 13:14

Client ID: BCP-MW-2

Date Received: 12/16/15

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	42		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	105		23-120
2-Fluorobiphenyl	110		15-120
2,4,6-Tribromophenol	110		10-120
4-Terphenyl-d14	106		41-149

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533270**Project Number:** 0136-013-007**Report Date:** 12/28/15**SAMPLE RESULTS**

Lab ID: L1533270-03
Client ID: BCP-MW-3
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 12/24/15 15:22
Analyst: RC

Date Collected: 12/15/15 12:12
Date Received: 12/16/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/20/15 03:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.1	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533270**Project Number:** 0136-013-007**Report Date:** 12/28/15**SAMPLE RESULTS****Lab ID:** L1533270-03**Date Collected:** 12/15/15 12:12**Client ID:** BCP-MW-3**Date Received:** 12/16/15**Sample Location:** BUFFALO, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
2-Methylphenol	ND		ug/l	5.0	1.0	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Benzoic Acid	ND		ug/l	50	13.	1
Benzyl Alcohol	ND		ug/l	2.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	3.6	1
Atrazine	ND		ug/l	10	1.8	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		21-120
Phenol-d6	26		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	95		15-120
2,4,6-Tribromophenol	115		10-120
4-Terphenyl-d14	103		41-149

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533270**Project Number:** 0136-013-007**Report Date:** 12/28/15**SAMPLE RESULTS**

Lab ID: L1533270-03
Client ID: BCP-MW-3
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/24/15 09:14
Analyst: KV

Date Collected: 12/15/15 12:12
Date Received: 12/16/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/20/15 03:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.34		ug/l	0.20	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	0.55		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	0.40		ug/l	0.20	0.04	1
Benzo(a)anthracene	0.20		ug/l	0.20	0.02	1
Benzo(a)pyrene	0.16	J	ug/l	0.20	0.04	1
Benzo(b)fluoranthene	0.25		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	0.09	J	ug/l	0.20	0.04	1
Chrysene	0.19	J	ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	0.23		ug/l	0.20	0.04	1
Benzo(ghi)perylene	0.12	J	ug/l	0.20	0.04	1
Fluorene	0.36		ug/l	0.20	0.04	1
Phenanthrene	0.83		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)pyrene	0.13	J	ug/l	0.20	0.04	1
Pyrene	0.43		ug/l	0.20	0.04	1
2-Methylnaphthalene	0.14	J	ug/l	0.20	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533270**Project Number:** 0136-013-007**Report Date:** 12/28/15**SAMPLE RESULTS**

Lab ID: L1533270-03

Date Collected: 12/15/15 12:12

Client ID: BCP-MW-3

Date Received: 12/16/15

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	34		21-120
Phenol-d6	24		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	93		15-120
2,4,6-Tribromophenol	113		10-120
4-Terphenyl-d14	102		41-149

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533270**Project Number:** 0136-013-007**Report Date:** 12/28/15**SAMPLE RESULTS**

Lab ID: L1533270-04
Client ID: BCP-MW-4
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 12/24/15 15:48
Analyst: RC

Date Collected: 12/15/15 15:10
Date Received: 12/16/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/20/15 03:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.1	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533270**Project Number:** 0136-013-007**Report Date:** 12/28/15**SAMPLE RESULTS****Lab ID:** L1533270-04**Date Collected:** 12/15/15 15:10**Client ID:** BCP-MW-4**Date Received:** 12/16/15**Sample Location:** BUFFALO, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
2-Methylphenol	ND		ug/l	5.0	1.0	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Benzoic Acid	ND		ug/l	50	13.	1
Benzyl Alcohol	ND		ug/l	2.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	3.6	1
Atrazine	ND		ug/l	10	1.8	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		21-120
Phenol-d6	32		10-120
Nitrobenzene-d5	104		23-120
2-Fluorobiphenyl	110		15-120
2,4,6-Tribromophenol	115		10-120
4-Terphenyl-d14	106		41-149

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533270**Project Number:** 0136-013-007**Report Date:** 12/28/15**SAMPLE RESULTS**

Lab ID: L1533270-04
Client ID: BCP-MW-4
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/24/15 09:40
Analyst: KV

Date Collected: 12/15/15 15:10
Date Received: 12/16/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/20/15 03:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	ND		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04	1
Pyrene	ND		ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533270**Project Number:** 0136-013-007**Report Date:** 12/28/15**SAMPLE RESULTS**

Lab ID: L1533270-04

Date Collected: 12/15/15 15:10

Client ID: BCP-MW-4

Date Received: 12/16/15

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	25		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	95		15-120
2,4,6-Tribromophenol	104		10-120
4-Terphenyl-d14	93		41-149

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533270**Project Number:** 0136-013-007**Report Date:** 12/28/15**SAMPLE RESULTS**

Lab ID: L1533270-05
Client ID: BCP-MW-5
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 12/24/15 16:13
Analyst: RC

Date Collected: 12/15/15 16:04
Date Received: 12/16/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/20/15 03:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.1	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533270**Project Number:** 0136-013-007**Report Date:** 12/28/15**SAMPLE RESULTS****Lab ID:** L1533270-05**Date Collected:** 12/15/15 16:04**Client ID:** BCP-MW-5**Date Received:** 12/16/15**Sample Location:** BUFFALO, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
2-Methylphenol	ND		ug/l	5.0	1.0	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Benzoic Acid	ND		ug/l	50	13.	1
Benzyl Alcohol	ND		ug/l	2.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	3.6	1
Atrazine	ND		ug/l	10	1.8	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	101		23-120
2-Fluorobiphenyl	111		15-120
2,4,6-Tribromophenol	95		10-120
4-Terphenyl-d14	111		41-149

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533270**Project Number:** 0136-013-007**Report Date:** 12/28/15**SAMPLE RESULTS**

Lab ID: L1533270-05
Client ID: BCP-MW-5
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/24/15 10:05
Analyst: KV

Date Collected: 12/15/15 16:04
Date Received: 12/16/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/20/15 03:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	ND		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04	1
Pyrene	ND		ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533270**Project Number:** 0136-013-007**Report Date:** 12/28/15**SAMPLE RESULTS**

Lab ID: L1533270-05

Date Collected: 12/15/15 16:04

Client ID: BCP-MW-5

Date Received: 12/16/15

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	35		21-120
Phenol-d6	23		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	94		15-120
2,4,6-Tribromophenol	90		10-120
4-Terphenyl-d14	93		41-149

Project Name: 15 LARIVIERE & 20 WILKESON WAY

Lab Number: L1533270

Project Number: 0136-013-007

Report Date: 12/28/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 12/24/15 12:00
 Analyst: RC

Extraction Method: EPA 3510C
 Extraction Date: 12/20/15 03:34

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG851454-1					
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73
1,3-Dichlorobenzene	ND		ug/l	2.0	0.73
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63
Hexachlorocyclopentadiene	ND		ug/l	20	7.8
Isophorone	ND		ug/l	5.0	0.60
Nitrobenzene	ND		ug/l	2.0	0.75
NDPA/DPA	ND		ug/l	2.0	0.64
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91
Butyl benzyl phthalate	ND		ug/l	5.0	1.3
Di-n-butylphthalate	ND		ug/l	5.0	0.69
Di-n-octylphthalate	ND		ug/l	5.0	1.1
Diethyl phthalate	ND		ug/l	5.0	0.63
Dimethyl phthalate	ND		ug/l	5.0	0.65
Biphenyl	ND		ug/l	2.0	0.76
4-Chloroaniline	ND		ug/l	5.0	0.63
2-Nitroaniline	ND		ug/l	5.0	1.1
3-Nitroaniline	ND		ug/l	5.0	1.1
4-Nitroaniline	ND		ug/l	5.0	1.3
Dibenzofuran	ND		ug/l	2.0	0.66

Project Name: 15 LARIVIERE & 20 WILKESON WAY

Lab Number: L1533270

Project Number: 0136-013-007

Report Date: 12/28/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 12/24/15 12:00
 Analyst: RC

Extraction Method: EPA 3510C
 Extraction Date: 12/20/15 03:34

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG851454-1					
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67
Acetophenone	ND		ug/l	5.0	0.85
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68
p-Chloro-m-cresol	ND		ug/l	2.0	0.62
2-Chlorophenol	ND		ug/l	2.0	0.63
2,4-Dichlorophenol	ND		ug/l	5.0	0.77
2,4-Dimethylphenol	ND		ug/l	5.0	1.6
2-Nitrophenol	ND		ug/l	10	1.5
4-Nitrophenol	ND		ug/l	10	1.8
2,4-Dinitrophenol	ND		ug/l	20	5.5
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1
Phenol	ND		ug/l	5.0	1.9
2-Methylphenol	ND		ug/l	5.0	1.0
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72
Benzoic Acid	ND		ug/l	50	13.
Benzyl Alcohol	ND		ug/l	2.0	0.72
Carbazole	ND		ug/l	2.0	0.63
Benzaldehyde	ND		ug/l	5.0	1.1
Caprolactam	ND		ug/l	10	3.6
Atrazine	ND		ug/l	10	1.8
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533270**Project Number:** 0136-013-007**Report Date:** 12/28/15**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8270D
Analytical Date: 12/24/15 12:00
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 12/20/15 03:34

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG851454-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	30		21-120
Phenol-d6	21		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	73		10-120
4-Terphenyl-d14	102		41-149

Project Name: 15 LARIVIERE & 20 WILKESON WAY

Lab Number: L1533270

Project Number: 0136-013-007

Report Date: 12/28/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D-SIM
 Analytical Date: 12/24/15 07:08
 Analyst: KV

Extraction Method: EPA 3510C
 Extraction Date: 12/20/15 03:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-05 Batch: WG851456-1					
Acenaphthene	ND		ug/l	0.20	0.04
2-Chloronaphthalene	ND		ug/l	0.20	0.04
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.04
Naphthalene	ND		ug/l	0.20	0.04
Benzo(a)anthracene	ND		ug/l	0.20	0.02
Benzo(a)pyrene	ND		ug/l	0.20	0.04
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04
Chrysene	ND		ug/l	0.20	0.04
Acenaphthylene	ND		ug/l	0.20	0.04
Anthracene	ND		ug/l	0.20	0.04
Benzo(ghi)perylene	ND		ug/l	0.20	0.04
Fluorene	ND		ug/l	0.20	0.04
Phenanthrene	ND		ug/l	0.20	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04
Pyrene	ND		ug/l	0.20	0.04
2-Methylnaphthalene	ND		ug/l	0.20	0.05
Pentachlorophenol	ND		ug/l	0.80	0.22
Hexachlorobenzene	ND		ug/l	0.80	0.03
Hexachloroethane	ND		ug/l	0.80	0.03

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533270**Project Number:** 0136-013-007**Report Date:** 12/28/15**Method Blank Analysis**
Batch Quality ControlAnalytical Method: 1,8270D-SIM
Analytical Date: 12/24/15 07:08
Analyst: KVExtraction Method: EPA 3510C
Extraction Date: 12/20/15 03:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-05 Batch: WG851456-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	30		21-120
Phenol-d6	20		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	85		10-120
4-Terphenyl-d14	104		41-149

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 15 LARIVIERE & 20 WILKESON WAY
Project Number: 0136-013-007

Lab Number: L1533270
Report Date: 12/28/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG851454-2 WG851454-3								
1,2,4-Trichlorobenzene	54		47		39-98	14		30
Bis(2-chloroethyl)ether	72		60		40-140	18		30
1,2-Dichlorobenzene	54		46		40-140	16		30
1,3-Dichlorobenzene	50		43		40-140	15		30
1,4-Dichlorobenzene	51		44		36-97	15		30
3,3'-Dichlorobenzidine	50		46		40-140	8		30
2,4-Dinitrotoluene	97	Q	83		24-96	16		30
2,6-Dinitrotoluene	90		78		40-140	14		30
4-Chlorophenyl phenyl ether	72		62		40-140	15		30
4-Bromophenyl phenyl ether	74		63		40-140	16		30
Bis(2-chloroisopropyl)ether	66		57		40-140	15		30
Bis(2-chloroethoxy)methane	74		65		40-140	13		30
Hexachlorocyclopentadiene	20	Q	18	Q	40-140	11		30
Isophorone	76		67		40-140	13		30
Nitrobenzene	73		64		40-140	13		30
NitrosoDiPhenylAmine(NDPA)/DPA	73		64		40-140	13		30
n-Nitrosodi-n-propylamine	71		61		29-132	15		30
Bis(2-Ethylhexyl)phthalate	97		80		40-140	19		30
Butyl benzyl phthalate	89		75		40-140	17		30
Di-n-butylphthalate	91		77		40-140	17		30
Di-n-octylphthalate	94		78		40-140	19		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 15 LARIVIERE & 20 WILKESON WAY
Project Number: 0136-013-007

Lab Number: L1533270
Report Date: 12/28/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG851454-2 WG851454-3								
Diethyl phthalate	87		75		40-140	15		30
Dimethyl phthalate	86		75		40-140	14		30
Biphenyl	67		58		54-104	14		30
4-Chloroaniline	57		54		40-140	5		30
2-Nitroaniline	82		72		52-143	13		30
3-Nitroaniline	57		53		25-145	7		30
4-Nitroaniline	66		58		51-143	13		30
Dibenzofuran	74		63		40-140	16		30
1,2,4,5-Tetrachlorobenzene	58		49		2-134	17		30
Acetophenone	78		69		39-129	12		30
2,4,6-Trichlorophenol	92		78		30-130	16		30
P-Chloro-M-Cresol	75		65		23-97	14		30
2-Chlorophenol	62		55		27-123	12		30
2,4-Dichlorophenol	79		69		30-130	14		30
2,4-Dimethylphenol	27	Q	24	Q	30-130	12		30
2-Nitrophenol	80		69		30-130	15		30
4-Nitrophenol	44		35		10-80	23		30
2,4-Dinitrophenol	95		71		20-130	29		30
4,6-Dinitro-o-cresol	133		107		20-164	22		30
Phenol	25		23		12-110	8		30
2-Methylphenol	45		40		30-130	12		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKESON WAY

Project Number: 0136-013-007

Lab Number: L1533270

Report Date: 12/28/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG851454-2 WG851454-3								
3-Methylphenol/4-Methylphenol	47		42		30-130	11		30
2,4,5-Trichlorophenol	83		72		30-130	14		30
Benzoic Acid	25		24		10-110	4		30
Benzyl Alcohol	50		45		15-110	11		30
Carbazole	88		75		55-144	16		30
Benzaldehyde	67		55		40-140	20		30
Caprolactam	15		13		10-130	14		30
Atrazine	106		90		40-140	16		30
2,3,4,6-Tetrachlorophenol	82		66		54-145	22		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	33		30		21-120
Phenol-d6	24		22		10-120
Nitrobenzene-d5	72		64		23-120
2-Fluorobiphenyl	77		66		15-120
2,4,6-Tribromophenol	83		74		10-120
4-Terphenyl-d14	82		71		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKESON WAY

Project Number: 0136-013-007

Lab Number: L1533270

Report Date: 12/28/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-05 Batch: WG851456-2 WG851456-3								
Acenaphthene	96		92		37-111	4		40
2-Chloronaphthalene	95		90		40-140	5		40
Fluoranthene	111		106		40-140	5		40
Hexachlorobutadiene	63		59		40-140	7		40
Naphthalene	86		82		40-140	5		40
Benzo(a)anthracene	106		101		40-140	5		40
Benzo(a)pyrene	104		99		40-140	5		40
Benzo(b)fluoranthene	122		113		40-140	8		40
Benzo(k)fluoranthene	114		111		40-140	3		40
Chrysene	99		94		40-140	5		40
Acenaphthylene	89		82		40-140	8		40
Anthracene	94		90		40-140	4		40
Benzo(ghi)perylene	119		113		40-140	5		40
Fluorene	105		99		40-140	6		40
Phenanthrene	108		99		40-140	9		40
Dibenzo(a,h)anthracene	127		120		40-140	6		40
Indeno(1,2,3-cd)Pyrene	128		120		40-140	6		40
Pyrene	110		103		26-127	7		40
2-Methylnaphthalene	90		85		40-140	6		40
Pentachlorophenol	76		61		9-103	22		40
Hexachlorobenzene	88		83		40-140	6		40

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533270**Project Number:** 0136-013-007**Report Date:** 12/28/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-05 Batch: WG851456-2 WG851456-3								
Hexachloroethane	67		64		40-140	5		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	40		36		21-120
Phenol-d6	27		24		10-120
Nitrobenzene-d5	87		81		23-120
2-Fluorobiphenyl	85		80		15-120
2,4,6-Tribromophenol	95		84		10-120
4-Terphenyl-d14	93		88		41-149

PCBS

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533270**Project Number:** 0136-013-007**Report Date:** 12/28/15**SAMPLE RESULTS**

Lab ID: L1533270-01
Client ID: BCP-MW-1
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 12/24/15 10:23
Analyst: JT

Date Collected: 12/15/15 14:21
Date Received: 12/16/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/21/15 16:09
Cleanup Method: EPA 3665A
Cleanup Date: 12/24/15
Cleanup Method: EPA 3660B
Cleanup Date: 12/24/15

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	A
Decachlorobiphenyl	42		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	41		30-150	B

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533270**Project Number:** 0136-013-007**Report Date:** 12/28/15**SAMPLE RESULTS**

Lab ID: L1533270-03
Client ID: BCP-MW-3
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 12/27/15 11:33
Analyst: JT

Date Collected: 12/15/15 12:12
Date Received: 12/16/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/21/15 16:09
Cleanup Method: EPA 3665A
Cleanup Date: 12/24/15
Cleanup Method: EPA 3660B
Cleanup Date: 12/24/15

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	53		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	50		30-150	B
Decachlorobiphenyl	46		30-150	B

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533270**Project Number:** 0136-013-007**Report Date:** 12/28/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 12/23/15 17:16
 Analyst: JT

Extraction Method: EPA 3510C
 Extraction Date: 12/21/15 16:09
 Cleanup Method: EPA 3665A
 Cleanup Date: 12/23/15
 Cleanup Method: EPA 3660B
 Cleanup Date: 12/23/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01,03 Batch: WG851816-1						
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	46		30-150	A
Decachlorobiphenyl	40		30-150	A
2,4,5,6-Tetrachloro-m-xylene	46		30-150	B
Decachlorobiphenyl	38		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKESON WAY
Project Number: 0136-013-007

Lab Number: L1533270
Report Date: 12/28/15

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>	<i>Column</i>
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01,03 QC Batch ID: WG851816-4 WG851816-5 QC Sample: L1533553-02 Client ID:													
MS Sample													
Aroclor 1016	ND	2.6	1.38	53		1.70	65		40-140	21		50	A
Aroclor 1260	ND	2.6	1.10	42		1.15	44		40-140	4		50	A

<i>Surrogate</i>	<i>MS % Recovery</i>	<i>Qualifier</i>	<i>MSD % Recovery</i>	<i>Qualifier</i>	<i>Acceptance Criteria</i>	<i>Column</i>
2,4,5,6-Tetrachloro-m-xylene	47		51		30-150	A
Decachlorobiphenyl	39		35		30-150	A
2,4,5,6-Tetrachloro-m-xylene	42		50		30-150	B
Decachlorobiphenyl	34		34		30-150	B

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533270**Project Number:** 0136-013-007**Report Date:** 12/28/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01,03 Batch: WG851816-2 WG851816-3									
Aroclor 1016	78		86		40-140	9		50	A
Aroclor 1260	55		70		40-140	25		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	42		56		30-150	A
Decachlorobiphenyl	36		48		30-150	A
2,4,5,6-Tetrachloro-m-xylene	40		54		30-150	B
Decachlorobiphenyl	37		47		30-150	B

PESTICIDES

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533270**Project Number:** 0136-013-007**Report Date:** 12/28/15**SAMPLE RESULTS**

Lab ID: L1533270-01
Client ID: BCP-MW-1
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 12/22/15 19:32
Analyst: EC

Date Collected: 12/15/15 14:21
Date Received: 12/16/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/19/15 23:51
Cleanup Method: EPA 3620B
Cleanup Date: 12/22/15

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	ND		ug/l	0.020	0.003	1	A
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 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	82		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: 15 LARIVIERE & 20 WILKESON WAY
Project Number: 0136-013-007

Lab Number: L1533270
Report Date: 12/28/15

SAMPLE RESULTS

Lab ID: L1533270-01
Client ID: BCP-MW-1
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 12/23/15 14:22
Analyst: EC

Date Collected: 12/15/15 14:21
Date Received: 12/16/15
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 12/21/15 19:00

Methylation Date: 12/22/15 22:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	119		30-150	A
DCAA	103		30-150	B

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533270**Project Number:** 0136-013-007**Report Date:** 12/28/15**SAMPLE RESULTS**

Lab ID: L1533270-03
Client ID: BCP-MW-3
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 12/23/15 14:43
Analyst: EC

Date Collected: 12/15/15 12:12
Date Received: 12/16/15
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 12/21/15 19:00

Methylation Date: 12/22/15 22:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	92		30-150	A
DCAA	85		30-150	B

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533270**Project Number:** 0136-013-007**Report Date:** 12/28/15**SAMPLE RESULTS**

Lab ID: L1533270-03 D
Client ID: BCP-MW-3
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 12/23/15 13:34
Analyst: AM

Date Collected: 12/15/15 12:12
Date Received: 12/16/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/19/15 23:51
Cleanup Method: EPA 3620B
Cleanup Date: 12/22/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.100	0.023	5	A
Lindane	ND		ug/l	0.100	0.022	5	A
Alpha-BHC	ND		ug/l	0.100	0.022	5	A
Beta-BHC	ND		ug/l	0.100	0.028	5	A
Heptachlor	ND		ug/l	0.100	0.016	5	A
Aldrin	ND		ug/l	0.100	0.011	5	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	5	A
Endrin	ND		ug/l	0.200	0.021	5	A
Endrin ketone	ND		ug/l	0.200	0.024	5	A
Dieldrin	ND		ug/l	0.200	0.021	5	A
4,4'-DDE	ND		ug/l	0.200	0.019	5	A
4,4'-DDD	ND		ug/l	0.200	0.023	5	A
4,4'-DDT	ND		ug/l	0.200	0.022	5	A
Endosulfan I	ND		ug/l	0.100	0.017	5	A
Endosulfan II	ND		ug/l	0.200	0.026	5	A
Endosulfan sulfate	ND		ug/l	0.200	0.024	5	A
Methoxychlor	ND		ug/l	1.00	0.034	5	A
Toxaphene	ND		ug/l	1.00	0.314	5	A
cis-Chlordane	ND		ug/l	0.100	0.033	5	A
trans-Chlordane	ND		ug/l	0.100	0.031	5	A
Chlordane	ND		ug/l	1.00	0.232	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	107		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	46		30-150	B

Project Name: 15 LARIVIERE & 20 WILKESON WAY

Lab Number: L1533270

Project Number: 0136-013-007

Report Date: 12/28/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 12/22/15 14:49
 Analyst: EC

Extraction Method: EPA 3510C
 Extraction Date: 12/19/15 23:51
 Cleanup Method: EPA 3620B
 Cleanup Date: 12/22/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01,03 Batch: WG851442-1						
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 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

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	90		30-150	B

Project Name: 15 LARIVIERE & 20 WILKESON WAY

Lab Number: L1533270

Project Number: 0136-013-007

Report Date: 12/28/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8151A
 Analytical Date: 12/23/15 10:28
 Analyst: EC

Extraction Method: EPA 8151A
 Extraction Date: 12/21/15 18:53

Methylation Date: 12/22/15 22:14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01,03 Batch: WG851862-1						
2,4-D	ND		ug/l	10.0	0.498	A
2,4,5-T	ND		ug/l	2.00	0.531	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	100		30-150	A
DCAA	85		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKESON WAY

Project Number: 0136-013-007

Lab Number: L1533270

Report Date: 12/28/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01,03 Batch: WG851442-2 WG851442-3									
Delta-BHC	104		106		30-150	2		20	A
Lindane	93		98		30-150	6		20	A
Alpha-BHC	101		106		30-150	5		20	A
Beta-BHC	81		87		30-150	6		20	A
Heptachlor	101		100		30-150	1		20	A
Aldrin	92		97		30-150	5		20	A
Heptachlor epoxide	89		92		30-150	3		20	A
Endrin	112		117		30-150	4		20	A
Endrin ketone	103		106		30-150	3		20	A
Dieldrin	103		109		30-150	6		20	A
4,4'-DDE	88		93		30-150	6		20	A
4,4'-DDD	109		115		30-150	5		20	A
4,4'-DDT	111		118		30-150	6		20	A
Endosulfan I	96		102		30-150	6		20	A
Endosulfan II	104		111		30-150	7		20	A
Endosulfan sulfate	105		105		30-150	0		20	A
Methoxychlor	110		128		30-150	15		20	A
cis-Chlordane	91		95		30-150	5		20	A
trans-Chlordane	98		101		30-150	3		20	A

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533270**Project Number:** 0136-013-007**Report Date:** 12/28/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01,03 Batch: WG851442-2 WG851442-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	98		116		30-150	A
Decachlorobiphenyl	110		118		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		93		30-150	B
Decachlorobiphenyl	127		128		30-150	B

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 15 LARIVIERE & 20 WILKESON WAY**Project Number:** 0136-013-007**Lab Number:** L1533270**Report Date:** 12/28/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01,03 Batch: WG851862-2 WG851862-3									
2,4-D	75		83		30-150	10		25	A
2,4,5-T	79		84		30-150	6		25	A
2,4,5-TP (Silvex)	77		81		30-150	5		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	100		104		30-150	A
DCAA	91		94		30-150	B

Matrix Spike Analysis**Batch Quality Control****Project Name:** 15 LARIVIERE & 20 WILKESON WAY**Project Number:** 0136-013-007**Lab Number:** L1533270**Report Date:** 12/28/15

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>	<i>Column</i>
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01,03 QC Batch ID: WG851862-4 WG851862-5 QC Sample: L1533553-02 Client ID: MS Sample													
2,4-D	ND	10	7.23J	72		7.95J	80		30-150	9		25	A
2,4,5-T	ND	10	7.57	76		8.32	83		30-150	9		25	A
2,4,5-TP (Silvex)	ND	10	7.29	73		8.05	80		30-150	10		25	A

<i>Surrogate</i>	<i>MS % Recovery</i>	<i>Qualifier</i>	<i>MSD % Recovery</i>	<i>Qualifier</i>	<i>Acceptance Criteria</i>	<i>Column</i>
DCAA	86		95		30-150	A
DCAA	104		118		30-150	B

METALS

Project Name: 15 LARIVIERE & 20 WILKESON WAY

Lab Number: L1533270

Project Number: 0136-013-007

Report Date: 12/28/15

SAMPLE RESULTS

Lab ID: L1533270-01

Date Collected: 12/15/15 14:21

Client ID: BCP-MW-1

Date Received: 12/16/15

Sample Location: BUFFALO, NY

Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.236		mg/l	0.010	0.002	1	12/24/15 09:33	12/26/15 11:20	EPA 3005A	1,6020A	KL
Antimony, Total	0.0007	J	mg/l	0.0020	0.0001	1	12/24/15 09:33	12/26/15 11:20	EPA 3005A	1,6020A	KL
Arsenic, Total	0.0114		mg/l	0.0005	0.0001	1	12/24/15 09:33	12/26/15 11:20	EPA 3005A	1,6020A	KL
Barium, Total	0.0595		mg/l	0.0005	0.0001	1	12/24/15 09:33	12/26/15 11:20	EPA 3005A	1,6020A	KL
Beryllium, Total	ND		mg/l	0.0005	0.0002	1	12/24/15 09:33	12/26/15 11:20	EPA 3005A	1,6020A	KL
Cadmium, Total	ND		mg/l	0.0002	0.0001	1	12/24/15 09:33	12/26/15 11:20	EPA 3005A	1,6020A	KL
Calcium, Total	97.3		mg/l	2.00	0.640	20	12/24/15 09:33	12/26/15 11:23	EPA 3005A	1,6020A	KL
Chromium, Total	0.0024	J	mg/l	0.0030	0.0003	1	12/24/15 09:33	12/26/15 11:20	EPA 3005A	1,6020A	KL
Cobalt, Total	0.0004	J	mg/l	0.0005	0.0001	1	12/24/15 09:33	12/26/15 11:20	EPA 3005A	1,6020A	KL
Copper, Total	0.0008	J	mg/l	0.0010	0.0003	1	12/24/15 09:33	12/26/15 11:20	EPA 3005A	1,6020A	KL
Iron, Total	1.14		mg/l	0.050	0.012	1	12/24/15 09:33	12/26/15 11:20	EPA 3005A	1,6020A	KL
Lead, Total	0.0021		mg/l	0.0010	0.0001	1	12/24/15 09:33	12/26/15 11:20	EPA 3005A	1,6020A	KL
Magnesium, Total	10.0		mg/l	0.070	0.022	1	12/24/15 09:33	12/26/15 11:20	EPA 3005A	1,6020A	KL
Manganese, Total	0.0668		mg/l	0.0010	0.0003	1	12/24/15 09:33	12/26/15 11:20	EPA 3005A	1,6020A	KL
Mercury, Total	ND		mg/l	0.00020	0.00006	1	12/22/15 14:43	12/24/15 21:17	EPA 7470A	1,7470A	EA
Nickel, Total	0.0042		mg/l	0.0020	0.0001	1	12/24/15 09:33	12/26/15 11:20	EPA 3005A	1,6020A	KL
Potassium, Total	11.3		mg/l	0.100	0.019	1	12/24/15 09:33	12/26/15 11:20	EPA 3005A	1,6020A	KL
Selenium, Total	ND		mg/l	0.005	0.001	1	12/24/15 09:33	12/26/15 11:20	EPA 3005A	1,6020A	KL
Silver, Total	ND		mg/l	0.0004	0.0001	1	12/24/15 09:33	12/26/15 11:20	EPA 3005A	1,6020A	KL
Sodium, Total	450		mg/l	3.00	0.322	20	12/24/15 09:33	12/26/15 11:23	EPA 3005A	1,6020A	KL
Thallium, Total	ND		mg/l	0.0005	0.0001	1	12/24/15 09:33	12/26/15 11:20	EPA 3005A	1,6020A	KL
Vanadium, Total	0.0027	J	mg/l	0.0050	0.0006	1	12/24/15 09:33	12/26/15 11:20	EPA 3005A	1,6020A	KL
Zinc, Total	0.0065	J	mg/l	0.0100	0.0026	1	12/24/15 09:33	12/26/15 11:20	EPA 3005A	1,6020A	KL



Project Name: 15 LARIVIERE & 20 WILKESON WAY

Lab Number: L1533270

Project Number: 0136-013-007

Report Date: 12/28/15

SAMPLE RESULTS

Lab ID: L1533270-02

Date Collected: 12/15/15 13:14

Client ID: BCP-MW-2

Date Received: 12/16/15

Sample Location: BUFFALO, NY

Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.993		mg/l	0.200	0.034	20	12/24/15 09:33	12/26/15 11:35	EPA 3005A	1,6020A	KL
Antimony, Total	0.0002	J	mg/l	0.0020	0.0001	1	12/24/15 09:33	12/26/15 11:26	EPA 3005A	1,6020A	KL
Arsenic, Total	0.0046		mg/l	0.0005	0.0001	1	12/24/15 09:33	12/26/15 11:26	EPA 3005A	1,6020A	KL
Barium, Total	0.1182		mg/l	0.0005	0.0001	1	12/24/15 09:33	12/26/15 11:26	EPA 3005A	1,6020A	KL
Beryllium, Total	ND		mg/l	0.0005	0.0002	1	12/24/15 09:33	12/26/15 11:26	EPA 3005A	1,6020A	KL
Cadmium, Total	0.0001	J	mg/l	0.0002	0.0001	1	12/24/15 09:33	12/26/15 11:26	EPA 3005A	1,6020A	KL
Calcium, Total	374		mg/l	2.00	0.640	20	12/24/15 09:33	12/26/15 11:35	EPA 3005A	1,6020A	KL
Chromium, Total	0.0030	J	mg/l	0.0030	0.0003	1	12/24/15 09:33	12/26/15 11:26	EPA 3005A	1,6020A	KL
Cobalt, Total	0.0037		mg/l	0.0005	0.0001	1	12/24/15 09:33	12/26/15 11:26	EPA 3005A	1,6020A	KL
Copper, Total	0.0044		mg/l	0.0010	0.0003	1	12/24/15 09:33	12/26/15 11:26	EPA 3005A	1,6020A	KL
Iron, Total	5.08		mg/l	0.050	0.012	1	12/24/15 09:33	12/26/15 11:26	EPA 3005A	1,6020A	KL
Lead, Total	0.0014		mg/l	0.0010	0.0001	1	12/24/15 09:33	12/26/15 11:26	EPA 3005A	1,6020A	KL
Magnesium, Total	93.6		mg/l	1.40	0.446	20	12/24/15 09:33	12/26/15 11:35	EPA 3005A	1,6020A	KL
Manganese, Total	4.532		mg/l	0.0200	0.0060	20	12/24/15 09:33	12/26/15 11:35	EPA 3005A	1,6020A	KL
Mercury, Total	ND		mg/l	0.00020	0.00006	1	12/22/15 14:43	12/24/15 21:23	EPA 7470A	1,7470A	EA
Nickel, Total	0.0083		mg/l	0.0020	0.0001	1	12/24/15 09:33	12/26/15 11:26	EPA 3005A	1,6020A	KL
Potassium, Total	4.51		mg/l	0.100	0.019	1	12/24/15 09:33	12/26/15 11:26	EPA 3005A	1,6020A	KL
Selenium, Total	ND		mg/l	0.005	0.001	1	12/24/15 09:33	12/26/15 11:26	EPA 3005A	1,6020A	KL
Silver, Total	ND		mg/l	0.0004	0.0001	1	12/24/15 09:33	12/26/15 11:26	EPA 3005A	1,6020A	KL
Sodium, Total	112		mg/l	3.00	0.322	20	12/24/15 09:33	12/26/15 11:35	EPA 3005A	1,6020A	KL
Thallium, Total	ND		mg/l	0.0005	0.0001	1	12/24/15 09:33	12/26/15 11:26	EPA 3005A	1,6020A	KL
Vanadium, Total	0.0018	J	mg/l	0.0050	0.0006	1	12/24/15 09:33	12/26/15 11:26	EPA 3005A	1,6020A	KL
Zinc, Total	0.0152		mg/l	0.0100	0.0026	1	12/24/15 09:33	12/26/15 11:26	EPA 3005A	1,6020A	KL



Project Name: 15 LARIVIERE & 20 WILKESON WAY

Lab Number: L1533270

Project Number: 0136-013-007

Report Date: 12/28/15

SAMPLE RESULTS

Lab ID: L1533270-03

Date Collected: 12/15/15 12:12

Client ID: BCP-MW-3

Date Received: 12/16/15

Sample Location: BUFFALO, NY

Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.535		mg/l	0.200	0.034	20	12/24/15 09:33	12/26/15 11:41	EPA 3005A	1,6020A	KL
Antimony, Total	0.0004	J	mg/l	0.0020	0.0001	1	12/24/15 09:33	12/26/15 11:38	EPA 3005A	1,6020A	KL
Arsenic, Total	0.0035		mg/l	0.0005	0.0001	1	12/24/15 09:33	12/26/15 11:38	EPA 3005A	1,6020A	KL
Barium, Total	0.1048		mg/l	0.0005	0.0001	1	12/24/15 09:33	12/26/15 11:38	EPA 3005A	1,6020A	KL
Beryllium, Total	ND		mg/l	0.0005	0.0002	1	12/24/15 09:33	12/26/15 11:38	EPA 3005A	1,6020A	KL
Cadmium, Total	0.0001	J	mg/l	0.0002	0.0001	1	12/24/15 09:33	12/26/15 11:38	EPA 3005A	1,6020A	KL
Calcium, Total	236		mg/l	2.00	0.640	20	12/24/15 09:33	12/26/15 11:41	EPA 3005A	1,6020A	KL
Chromium, Total	0.0026	J	mg/l	0.0030	0.0003	1	12/24/15 09:33	12/26/15 11:38	EPA 3005A	1,6020A	KL
Cobalt, Total	0.0035		mg/l	0.0005	0.0001	1	12/24/15 09:33	12/26/15 11:38	EPA 3005A	1,6020A	KL
Copper, Total	0.0024		mg/l	0.0010	0.0003	1	12/24/15 09:33	12/26/15 11:38	EPA 3005A	1,6020A	KL
Iron, Total	3.42		mg/l	0.050	0.012	1	12/24/15 09:33	12/26/15 11:38	EPA 3005A	1,6020A	KL
Lead, Total	0.0060		mg/l	0.0010	0.0001	1	12/24/15 09:33	12/26/15 11:38	EPA 3005A	1,6020A	KL
Magnesium, Total	42.4		mg/l	0.070	0.022	1	12/24/15 09:33	12/26/15 11:38	EPA 3005A	1,6020A	KL
Manganese, Total	1.707		mg/l	0.0200	0.0060	20	12/24/15 09:33	12/26/15 11:41	EPA 3005A	1,6020A	KL
Mercury, Total	ND		mg/l	0.00020	0.00006	1	12/22/15 14:43	12/24/15 21:24	EPA 7470A	1,7470A	EA
Nickel, Total	0.0083		mg/l	0.0020	0.0001	1	12/24/15 09:33	12/26/15 11:38	EPA 3005A	1,6020A	KL
Potassium, Total	8.88		mg/l	0.100	0.019	1	12/24/15 09:33	12/26/15 11:38	EPA 3005A	1,6020A	KL
Selenium, Total	ND		mg/l	0.005	0.001	1	12/24/15 09:33	12/26/15 11:38	EPA 3005A	1,6020A	KL
Silver, Total	ND		mg/l	0.0004	0.0001	1	12/24/15 09:33	12/26/15 11:38	EPA 3005A	1,6020A	KL
Sodium, Total	84.8		mg/l	3.00	0.322	20	12/24/15 09:33	12/26/15 11:41	EPA 3005A	1,6020A	KL
Thallium, Total	ND		mg/l	0.0005	0.0001	1	12/24/15 09:33	12/26/15 11:38	EPA 3005A	1,6020A	KL
Vanadium, Total	0.0017	J	mg/l	0.0050	0.0006	1	12/24/15 09:33	12/26/15 11:38	EPA 3005A	1,6020A	KL
Zinc, Total	0.0123		mg/l	0.0100	0.0026	1	12/24/15 09:33	12/26/15 11:38	EPA 3005A	1,6020A	KL



Project Name: 15 LARIVIERE & 20 WILKESON WAY

Lab Number: L1533270

Project Number: 0136-013-007

Report Date: 12/28/15

SAMPLE RESULTS

Lab ID: L1533270-04

Date Collected: 12/15/15 15:10

Client ID: BCP-MW-4

Date Received: 12/16/15

Sample Location: BUFFALO, NY

Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.100		mg/l	0.010	0.002	1	12/24/15 09:33	12/26/15 11:44	EPA 3005A	1,6020A	KL
Antimony, Total	0.0002	J	mg/l	0.0020	0.0001	1	12/24/15 09:33	12/26/15 11:44	EPA 3005A	1,6020A	KL
Arsenic, Total	0.0051		mg/l	0.0005	0.0001	1	12/24/15 09:33	12/26/15 11:44	EPA 3005A	1,6020A	KL
Barium, Total	0.0946		mg/l	0.0005	0.0001	1	12/24/15 09:33	12/26/15 11:44	EPA 3005A	1,6020A	KL
Beryllium, Total	ND		mg/l	0.0005	0.0002	1	12/24/15 09:33	12/26/15 11:44	EPA 3005A	1,6020A	KL
Cadmium, Total	ND		mg/l	0.0002	0.0001	1	12/24/15 09:33	12/26/15 11:44	EPA 3005A	1,6020A	KL
Calcium, Total	339		mg/l	2.00	0.640	20	12/24/15 09:33	12/26/15 11:47	EPA 3005A	1,6020A	KL
Chromium, Total	0.0023	J	mg/l	0.0030	0.0003	1	12/24/15 09:33	12/26/15 11:44	EPA 3005A	1,6020A	KL
Cobalt, Total	0.0038		mg/l	0.0002	0.0001	1	12/24/15 09:33	12/26/15 11:44	EPA 3005A	1,6020A	KL
Copper, Total	0.0012		mg/l	0.0010	0.0003	1	12/24/15 09:33	12/26/15 11:44	EPA 3005A	1,6020A	KL
Iron, Total	7.92		mg/l	0.050	0.012	1	12/24/15 09:33	12/26/15 11:44	EPA 3005A	1,6020A	KL
Lead, Total	0.0002	J	mg/l	0.0010	0.0001	1	12/24/15 09:33	12/26/15 11:44	EPA 3005A	1,6020A	KL
Magnesium, Total	88.7		mg/l	1.40	0.446	20	12/24/15 09:33	12/26/15 11:47	EPA 3005A	1,6020A	KL
Manganese, Total	3.453		mg/l	0.0200	0.0060	20	12/24/15 09:33	12/26/15 11:47	EPA 3005A	1,6020A	KL
Mercury, Total	ND		mg/l	0.00020	0.00006	1	12/22/15 14:43	12/24/15 21:26	EPA 7470A	1,7470A	EA
Nickel, Total	0.0091		mg/l	0.0020	0.0001	1	12/24/15 09:33	12/26/15 11:44	EPA 3005A	1,6020A	KL
Potassium, Total	23.5		mg/l	0.100	0.019	1	12/24/15 09:33	12/26/15 11:44	EPA 3005A	1,6020A	KL
Selenium, Total	ND		mg/l	0.005	0.001	1	12/24/15 09:33	12/26/15 11:44	EPA 3005A	1,6020A	KL
Silver, Total	ND		mg/l	0.0004	0.0001	1	12/24/15 09:33	12/26/15 11:44	EPA 3005A	1,6020A	KL
Sodium, Total	304		mg/l	3.00	0.322	20	12/24/15 09:33	12/26/15 11:47	EPA 3005A	1,6020A	KL
Thallium, Total	ND		mg/l	0.0005	0.0001	1	12/24/15 09:33	12/26/15 11:44	EPA 3005A	1,6020A	KL
Vanadium, Total	ND		mg/l	0.0050	0.0006	1	12/24/15 09:33	12/26/15 11:44	EPA 3005A	1,6020A	KL
Zinc, Total	0.0048	J	mg/l	0.0100	0.0026	1	12/24/15 09:33	12/26/15 11:44	EPA 3005A	1,6020A	KL



Project Name: 15 LARIVIERE & 20 WILKESON WAY

Lab Number: L1533270

Project Number: 0136-013-007

Report Date: 12/28/15

SAMPLE RESULTS

Lab ID: L1533270-05

Date Collected: 12/15/15 16:04

Client ID: BCP-MW-5

Date Received: 12/16/15

Sample Location: BUFFALO, NY

Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.302		mg/l	0.010	0.002	1	12/24/15 09:33	12/26/15 11:50	EPA 3005A	1,6020A	KL
Antimony, Total	0.0002	J	mg/l	0.0020	0.0001	1	12/24/15 09:33	12/26/15 11:50	EPA 3005A	1,6020A	KL
Arsenic, Total	0.0009		mg/l	0.0005	0.0001	1	12/24/15 09:33	12/26/15 11:50	EPA 3005A	1,6020A	KL
Barium, Total	0.2090		mg/l	0.0005	0.0001	1	12/24/15 09:33	12/26/15 11:50	EPA 3005A	1,6020A	KL
Beryllium, Total	ND		mg/l	0.0005	0.0002	1	12/24/15 09:33	12/26/15 11:50	EPA 3005A	1,6020A	KL
Cadmium, Total	ND		mg/l	0.0002	0.0001	1	12/24/15 09:33	12/26/15 11:50	EPA 3005A	1,6020A	KL
Calcium, Total	275		mg/l	2.00	0.640	20	12/24/15 09:33	12/26/15 11:54	EPA 3005A	1,6020A	KL
Chromium, Total	0.0032		mg/l	0.0030	0.0003	1	12/24/15 09:33	12/26/15 11:50	EPA 3005A	1,6020A	KL
Cobalt, Total	0.0006		mg/l	0.0005	0.0001	1	12/24/15 09:33	12/26/15 11:50	EPA 3005A	1,6020A	KL
Copper, Total	0.0013		mg/l	0.0010	0.0003	1	12/24/15 09:33	12/26/15 11:50	EPA 3005A	1,6020A	KL
Iron, Total	4.64		mg/l	0.050	0.012	1	12/24/15 09:33	12/26/15 11:50	EPA 3005A	1,6020A	KL
Lead, Total	0.0009	J	mg/l	0.0010	0.0001	1	12/24/15 09:33	12/26/15 11:50	EPA 3005A	1,6020A	KL
Magnesium, Total	89.1		mg/l	1.40	0.446	20	12/24/15 09:33	12/26/15 11:54	EPA 3005A	1,6020A	KL
Manganese, Total	0.8594		mg/l	0.0200	0.0060	20	12/24/15 09:33	12/26/15 11:54	EPA 3005A	1,6020A	KL
Mercury, Total	ND		mg/l	0.00020	0.00006	1	12/22/15 14:43	12/24/15 21:28	EPA 7470A	1,7470A	EA
Nickel, Total	0.0021		mg/l	0.0020	0.0001	1	12/24/15 09:33	12/26/15 11:50	EPA 3005A	1,6020A	KL
Potassium, Total	31.4		mg/l	0.100	0.019	1	12/24/15 09:33	12/26/15 11:50	EPA 3005A	1,6020A	KL
Selenium, Total	ND		mg/l	0.005	0.001	1	12/24/15 09:33	12/26/15 11:50	EPA 3005A	1,6020A	KL
Silver, Total	ND		mg/l	0.0004	0.0001	1	12/24/15 09:33	12/26/15 11:50	EPA 3005A	1,6020A	KL
Sodium, Total	330		mg/l	3.00	0.322	20	12/24/15 09:33	12/26/15 11:54	EPA 3005A	1,6020A	KL
Thallium, Total	ND		mg/l	0.0005	0.0001	1	12/24/15 09:33	12/26/15 11:50	EPA 3005A	1,6020A	KL
Vanadium, Total	0.0016	J	mg/l	0.0050	0.0006	1	12/24/15 09:33	12/26/15 11:50	EPA 3005A	1,6020A	KL
Zinc, Total	0.0036	J	mg/l	0.0100	0.0026	1	12/24/15 09:33	12/26/15 11:50	EPA 3005A	1,6020A	KL



Project Name: 15 LARIVIERE & 20 WILKESON WAY

Lab Number: L1533270

Project Number: 0136-013-007

Report Date: 12/28/15

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: WG852193-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	12/22/15 14:43	12/24/15 20:53	1,7470A	EA

Prep Information

Digestion Method: EPA 7470A

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: WG852842-1										
Aluminum, Total	ND		mg/l	0.010	0.002	1	12/24/15 09:33	12/26/15 10:21	1,6020A	KL
Antimony, Total	0.0002	J	mg/l	0.0020	0.0001	1	12/24/15 09:33	12/26/15 10:21	1,6020A	KL
Arsenic, Total	ND		mg/l	0.0005	0.0001	1	12/24/15 09:33	12/26/15 10:21	1,6020A	KL
Barium, Total	ND		mg/l	0.0005	0.0001	1	12/24/15 09:33	12/26/15 10:21	1,6020A	KL
Beryllium, Total	ND		mg/l	0.0005	0.0002	1	12/24/15 09:33	12/26/15 10:21	1,6020A	KL
Cadmium, Total	ND		mg/l	0.0002	0.0001	1	12/24/15 09:33	12/26/15 10:21	1,6020A	KL
Calcium, Total	ND		mg/l	0.100	0.032	1	12/24/15 09:33	12/26/15 10:21	1,6020A	KL
Chromium, Total	0.0029	J	mg/l	0.0030	0.0003	1	12/24/15 09:33	12/26/15 10:21	1,6020A	KL
Cobalt, Total	ND		mg/l	0.0005	0.0001	1	12/24/15 09:33	12/26/15 10:21	1,6020A	KL
Copper, Total	ND		mg/l	0.0010	0.0003	1	12/24/15 09:33	12/26/15 10:21	1,6020A	KL
Iron, Total	ND		mg/l	0.050	0.012	1	12/24/15 09:33	12/26/15 10:21	1,6020A	KL
Lead, Total	ND		mg/l	0.0010	0.0001	1	12/24/15 09:33	12/26/15 10:21	1,6020A	KL
Magnesium, Total	ND		mg/l	0.070	0.022	1	12/24/15 09:33	12/26/15 10:21	1,6020A	KL
Manganese, Total	0.0003	J	mg/l	0.0010	0.0003	1	12/24/15 09:33	12/26/15 10:21	1,6020A	KL
Nickel, Total	0.0014	J	mg/l	0.0020	0.0001	1	12/24/15 09:33	12/26/15 10:21	1,6020A	KL
Potassium, Total	ND		mg/l	0.100	0.019	1	12/24/15 09:33	12/26/15 10:21	1,6020A	KL
Selenium, Total	ND		mg/l	0.005	0.001	1	12/24/15 09:33	12/26/15 10:21	1,6020A	KL
Silver, Total	ND		mg/l	0.0004	0.0001	1	12/24/15 09:33	12/26/15 10:21	1,6020A	KL
Sodium, Total	ND		mg/l	0.150	0.016	1	12/24/15 09:33	12/26/15 10:21	1,6020A	KL
Thallium, Total	ND		mg/l	0.0005	0.0001	1	12/24/15 09:33	12/26/15 10:21	1,6020A	KL
Vanadium, Total	ND		mg/l	0.0050	0.0006	1	12/24/15 09:33	12/26/15 10:21	1,6020A	KL
Zinc, Total	ND		mg/l	0.0100	0.0026	1	12/24/15 09:33	12/26/15 10:21	1,6020A	KL

Project Name: 15 LARIVIERE & 20 WILKESON WAY

Lab Number: L1533270

Project Number: 0136-013-007

Report Date: 12/28/15

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533270**Project Number:** 0136-013-007**Report Date:** 12/28/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-05 Batch: WG852193-2								
Mercury, Total	100		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKESON WAY

Project Number: 0136-013-007

Lab Number: L1533270

Report Date: 12/28/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-05 Batch: WG852842-2					
Aluminum, Total	100	-	80-120	-	
Antimony, Total	96	-	80-120	-	
Arsenic, Total	105	-	80-120	-	
Barium, Total	97	-	80-120	-	
Beryllium, Total	90	-	80-120	-	
Cadmium, Total	108	-	80-120	-	
Calcium, Total	101	-	80-120	-	
Chromium, Total	94	-	80-120	-	
Cobalt, Total	98	-	80-120	-	
Copper, Total	106	-	80-120	-	
Iron, Total	100	-	80-120	-	
Lead, Total	101	-	80-120	-	
Magnesium, Total	107	-	80-120	-	
Manganese, Total	96	-	80-120	-	
Nickel, Total	103	-	80-120	-	
Potassium, Total	96	-	80-120	-	
Selenium, Total	102	-	80-120	-	
Silver, Total	100	-	80-120	-	
Sodium, Total	106	-	80-120	-	
Thallium, Total	96	-	80-120	-	
Vanadium, Total	97	-	80-120	-	

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533270**Project Number:** 0136-013-007**Report Date:** 12/28/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-05 Batch: WG852842-2					
Zinc, Total	102	-	80-120	-	

Matrix Spike Analysis Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKESON WAY

Lab Number: L1533270

Project Number: 0136-013-007

Report Date: 12/28/15

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: WG852193-4 QC Sample: L1533270-01 Client ID: BCP-MW-1												
Mercury, Total	ND	0.005	0.00417	83		-	-		75-125	-		20

Matrix Spike Analysis **Batch Quality Control**

Project Name: 15 LARIVIERE & 20 WILKESON WAY
Project Number: 0136-013-007

Lab Number: L1533270
Report Date: 12/28/15

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: WG852842-3 WG852842-4 QC Sample: L1533294-02 Client ID: MS Sample									
Aluminum, Total	0.003J	2	1.95	98	2.18	109	75-125	11	20
Antimony, Total	0.0014J	0.5	0.4712	94	0.5477	110	75-125	15	20
Arsenic, Total	ND	0.12	0.1207	100	0.1410	118	75-125	16	20
Barium, Total	0.0227	2	1.899	94	2.188	108	75-125	14	20
Beryllium, Total	ND	0.05	0.0493	99	0.0576	115	75-125	15	20
Cadmium, Total	ND	0.051	0.0527	103	0.0627	123	75-125	17	20
Calcium, Total	15.6	10	22.5	69	Q 26.7	111	75-125	17	20
Chromium, Total	0.0029	0.2	0.1827	91	0.2238	112	75-125	20	20
Cobalt, Total	0.0002J	0.5	0.4698	94	0.5636	113	75-125	18	20
Copper, Total	0.0017	0.25	0.2578	102	0.3079	122	75-125	18	20
Iron, Total	ND	1	0.840	84	1.03	103	75-125	20	20
Lead, Total	ND	0.51	0.5073	99	0.5740	112	75-125	12	20
Magnesium, Total	6.61	10	17.5	109	18.8	122	75-125	7	20
Manganese, Total	0.0044	0.5	0.4833	96	0.5850	116	75-125	19	20
Nickel, Total	0.0024	0.5	0.4770	95	0.5920	118	75-125	22	Q 20
Potassium, Total	1.08	10	11.1	100	11.4	103	75-125	3	20
Selenium, Total	ND	0.12	0.081	68	Q 0.149	124	75-125	59	Q 20
Silver, Total	ND	0.05	0.0476	95	0.0546	109	75-125	14	20
Sodium, Total	7.98	10	18.9	109	19.9	119	75-125	5	20
Thallium, Total	ND	0.12	0.1126	94	0.1289	107	75-125	13	20
Vanadium, Total	ND	0.5	0.4769	95	0.5493	110	75-125	14	20

Matrix Spike Analysis **Batch Quality Control**

Project Name: 15 LARIVIERE & 20 WILKESON WAY
Project Number: 0136-013-007

Lab Number: L1533270
Report Date: 12/28/15

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: WG852842-3 WG852842-4 QC Sample: L1533294-02 Client ID: MS Sample									
Zinc, Total	0.0060J	0.5	0.5064	101	0.6016	120	75-125	17	20

Matrix Spike Analysis **Batch Quality Control**

Project Name: 15 LARIVIERE & 20 WILKESON WAY
Project Number: 0136-013-007

Lab Number: L1533270
Report Date: 12/28/15

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: WG852842-7 WG852842-8 QC Sample: L1533553-02 Client ID: MS Sample										
Aluminum, Total	0.323	2	2.66	117		2.66	117	75-125	0	20
Antimony, Total	0.0002J	0.5	0.6310	126	Q	0.5858	117	75-125	7	20
Arsenic, Total	0.0047	0.12	0.1627	132	Q	0.1492	120	75-125	9	20
Barium, Total	0.1347	2	2.543	120		2.346	110	75-125	8	20
Beryllium, Total	ND	0.05	0.0612	122		0.0589	118	75-125	4	20
Cadmium, Total	0.0001J	0.051	0.0673	132	Q	0.0599	117	75-125	12	20
Calcium, Total	210.	10	222	120		196	0	Q 75-125	12	20
Chromium, Total	0.0028J	0.2	0.2345	117		0.2136	107	75-125	9	20
Cobalt, Total	0.0016	0.5	0.5886	117		0.5603	112	75-125	5	20
Copper, Total	0.0029	0.25	0.3253	129	Q	0.2874	114	75-125	12	20
Iron, Total	4.24	1	6.16	192	Q	5.95	171	Q 75-125	3	20
Lead, Total	0.0014	0.51	0.6269	123		0.5783	113	75-125	8	20
Magnesium, Total	44.4	10	67.1	227	Q	63.3	189	Q 75-125	6	20
Manganese, Total	0.9488	0.5	1.478	106		1.377	86	75-125	7	20
Nickel, Total	0.0062	0.5	0.6155	122		0.5599	111	75-125	9	20
Potassium, Total	10.8	10	26.5	157	Q	24.0	132	Q 75-125	10	20
Selenium, Total	ND	0.12	0.102	85		0.127	106	75-125	22	Q 20
Silver, Total	ND	0.05	0.0575	115		0.0523	104	75-125	9	20
Sodium, Total	388.	10	407	190	Q	375	0	Q 75-125	8	20
Thallium, Total	ND	0.12	0.1430	119		0.1355	113	75-125	5	20
Vanadium, Total	0.0011J	0.5	0.5741	115		0.5253	105	75-125	9	20

Matrix Spike Analysis Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKESON WAY
Project Number: 0136-013-007

Lab Number: L1533270
Report Date: 12/28/15

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: WG852842-7 WG852842-8 QC Sample: L1533553-02 Client ID: MS Sample									
Zinc, Total	0.0083J	0.5	0.6206	124	0.5514	110	75-125	12	20

Project Name: 15 LARIVIERE & 20 WILKESON WAY
Project Number: 0136-013-007

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L1533270
Report Date: 12/28/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG852193-3 QC Sample: L1533270-01 Client ID: BCP-MW-1						
Mercury, Total	ND	ND	mg/l	NC		20

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Project Number:** 0136-013-007**Lab Number:** L1533270**Report Date:** 12/28/15**Sample Receipt and Container Information**

Were project specific reporting limits specified? YES

Cooler Information Custody Seal**Cooler**

A Absent

B Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1533270-01A	Vial HCl preserved	B	N/A	4.2	Y	Absent	NYTCL-8260(14)
L1533270-01B	Vial HCl preserved	B	N/A	4.2	Y	Absent	NYTCL-8260(14)
L1533270-01C	Vial HCl preserved	B	N/A	4.2	Y	Absent	NYTCL-8260(14)
L1533270-01D	Plastic 250ml HNO3 preserved	B	<2	4.2	Y	Absent	BA-6020T(180),BE-TI(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),AS-TI(180),BA-TI(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),AG-TI(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),AL-TI(180),CR-TI(180),NI-TI(180),PB-6020T(180),TL-TI(180),BE-6020T(180),CU-TI(180),MN-6020T(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),AS-6020T(180),CO-TI(180),SB-6020T(180),V-6020T(180),V-TI(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),FE-TI(180),HG-T(28),MG-6020T(180),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),CO-6020T(180),K-TI(180),NA-TI(180)
L1533270-01E	Amber 500ml unpreserved	B	7	4.2	Y	Absent	NYTCL-8081(7)
L1533270-01F	Amber 500ml unpreserved	B	7	4.2	Y	Absent	NYTCL-8081(7)
L1533270-01G	Amber 1000ml unpreserved	B	7	4.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1533270-01H	Amber 1000ml unpreserved	B	7	4.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1533270-01I	Amber 1000ml unpreserved	B	7	4.2	Y	Absent	NYTCL-8082-1200ML(7)
L1533270-01J	Amber 1000ml unpreserved	B	7	4.2	Y	Absent	NYTCL-8082-1200ML(7)
L1533270-01K	Amber 1000ml unpreserved	B	7	4.2	Y	Absent	HERB-APA(7)
L1533270-01L	Amber 1000ml unpreserved	B	7	4.2	Y	Absent	HERB-APA(7)
L1533270-02A	Vial HCl preserved	B	N/A	4.2	Y	Absent	NYTCL-8260(14)
L1533270-02B	Vial HCl preserved	B	N/A	4.2	Y	Absent	NYTCL-8260(14)
L1533270-02C	Vial HCl preserved	B	N/A	4.2	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days



Project Name: 15 LARIVIERE & 20 WILKESON WAY
Project Number: 0136-013-007

Lab Number: L1533270

Report Date: 12/28/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1533270-02D	Plastic 250ml HNO3 preserved	B	<2	4.2	Y	Absent	BA-6020T(180),BE-TI(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),AS-TI(180),BA-TI(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),AG-TI(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),AL-TI(180),CR-TI(180),NI-TI(180),PB-6020T(180),TL-TI(180),BE-6020T(180),CU-TI(180),MN-6020T(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),AS-6020T(180),CO-TI(180),SB-6020T(180),V-6020T(180),V-TI(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),FE-TI(180),HG-T(28),MG-6020T(180),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),CO-6020T(180),K-TI(180),NA-TI(180)
L1533270-02E	Amber 1000ml unpreserved	B	7	4.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1533270-02F	Amber 1000ml unpreserved	B	7	4.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1533270-03A	Vial HCl preserved	A	N/A	4.6	Y	Absent	NYTCL-8260(14)
L1533270-03B	Vial HCl preserved	A	N/A	4.6	Y	Absent	NYTCL-8260(14)
L1533270-03C	Vial HCl preserved	A	N/A	4.6	Y	Absent	NYTCL-8260(14)
L1533270-03D	Plastic 250ml HNO3 preserved	A	<2	4.6	Y	Absent	BA-6020T(180),BE-TI(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),AS-TI(180),BA-TI(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),AG-TI(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),AL-TI(180),CR-TI(180),NI-TI(180),PB-6020T(180),TL-TI(180),BE-6020T(180),CU-TI(180),MN-6020T(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),AS-6020T(180),CO-TI(180),SB-6020T(180),V-6020T(180),V-TI(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),FE-TI(180),HG-T(28),MG-6020T(180),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),CO-6020T(180),K-TI(180),NA-TI(180)
L1533270-03E	Amber 500ml unpreserved	A	7	4.6	Y	Absent	NYTCL-8081(7)
L1533270-03F	Amber 500ml unpreserved	A	7	4.6	Y	Absent	NYTCL-8081(7)
L1533270-03G	Amber 1000ml unpreserved	A	7	4.6	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)

*Values in parentheses indicate holding time in days



Project Name: 15 LARIVIERE & 20 WILKESON WAY
Project Number: 0136-013-007

Lab Number: L1533270
Report Date: 12/28/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1533270-03H	Amber 1000ml unpreserved	A	7	4.6	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1533270-03I	Amber 1000ml unpreserved	A	7	4.6	Y	Absent	NYTCL-8082-1200ML(7)
L1533270-03J	Amber 1000ml unpreserved	A	7	4.6	Y	Absent	NYTCL-8082-1200ML(7)
L1533270-03K	Amber 1000ml unpreserved	A	7	4.6	Y	Absent	HERB-APA(7)
L1533270-03L	Amber 1000ml unpreserved	A	7	4.6	Y	Absent	HERB-APA(7)
L1533270-04A	Vial HCl preserved	A	N/A	4.6	Y	Absent	NYTCL-8260(14)
L1533270-04B	Vial HCl preserved	A	N/A	4.6	Y	Absent	NYTCL-8260(14)
L1533270-04C	Vial HCl preserved	A	N/A	4.6	Y	Absent	NYTCL-8260(14)
L1533270-04D	Plastic 250ml HNO3 preserved	A	<2	4.6	Y	Absent	BA-6020T(180),BE-TI(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),AS-TI(180),BA-TI(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),AG-TI(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),AL-TI(180),CR-TI(180),NI-TI(180),PB-6020T(180),TL-TI(180),BE-6020T(180),CU-TI(180),MN-6020T(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),AS-6020T(180),CO-TI(180),SB-6020T(180),V-6020T(180),V-TI(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),FE-TI(180),HG-T(28),MG-6020T(180),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),CO-6020T(180),K-TI(180),NA-TI(180)
L1533270-04E	Amber 1000ml unpreserved	A	7	4.6	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1533270-04F	Amber 1000ml unpreserved	A	7	4.6	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1533270-05A	Vial HCl preserved	B	N/A	4.2	Y	Absent	NYTCL-8260(14)
L1533270-05B	Vial HCl preserved	B	N/A	4.2	Y	Absent	NYTCL-8260(14)
L1533270-05C	Vial HCl preserved	B	N/A	4.2	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days



Project Name: 15 LARIVIERE & 20 WILKESON WAY**Project Number:** 0136-013-007**Lab Number:** L1533270**Report Date:** 12/28/15**Container Information**

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1533270-05D	Plastic 250ml HNO3 preserved	B	<2	4.2	Y	Absent	BA-6020T(180),BE-TI(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),AS-TI(180),BA-TI(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),AG-TI(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),AL-TI(180),CR-TI(180),NI-TI(180),PB-6020T(180),TL-TI(180),BE-6020T(180),CU-TI(180),MN-6020T(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),AS-6020T(180),CO-TI(180),SB-6020T(180),V-6020T(180),V-TI(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),FE-TI(180),HG-T(28),MG-6020T(180),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),CO-6020T(180),K-TI(180),NA-TI(180)
L1533270-05E	Amber 1000ml unpreserved	B	7	4.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1533270-05F	Amber 1000ml unpreserved	B	7	4.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1533270-06A	Vial HCl preserved	A	N/A	4.6	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 15 LARIVIERE & 20 WILKESON WAY
Project Number: 0136-013-007

Lab Number: L1533270
Report Date: 12/28/15

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.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

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

Terms

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).

Report Format: DU Report with 'J' Qualifiers



Project Name: 15 LARIVIERE & 20 WILKESON WAY
Project Number: 0136-013-007

Lab Number: L1533270
Report Date: 12/28/15

Data Qualifiers

- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: 15 LARIVIERE & 20 WILKESON WAY
Project Number: 0136-013-007

Lab Number: L1533270
Report Date: 12/28/15

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

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

Westborough Facility

EPA 524.2: 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane, m/p-xylene, o-xylene
EPA 624: 2-Butanone (MEK), 1,4-Dioxane, tert-Amylmethyl Ether, tert-Butyl Alcohol, m/p-xylene, o-xylene
EPA 625: Aniline, Benzoic Acid, Benzyl Alcohol, 4-Chloroaniline, 3-Methylphenol, 4-Methylphenol.
EPA 1010A: NPW: Ignitability
EPA 6010C: NPW: Strontium; SCM: Strontium
EPA 8151A: NPW: 2,4-DB, Dicamba, Dichloroprop, MCPA, MCPP; SCM: 2,4-DB, Dichloroprop, MCPA, MCPP
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene, Isopropanol; SCM: Iodomethane (methyl iodide), Methyl methacrylate (soil); 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Pentachloronitrobenzene, 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Pentachloronitrobenzene, 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.
EPA 9010: NPW: Amenable Cyanide Distillation, Total Cyanide Distillation
EPA 9038: NPW: Sulfate
EPA 9050A: NPW: Specific Conductance
EPA 9056: NPW: Chloride, Nitrate, Sulfate
EPA 9065: NPW: Phenols
EPA 9251: NPW: Chloride
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO₂, NO₃.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility

EPA 8270D: NPW: Biphenyl; SCM: 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, Ti; **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, SM4500CI-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, Ti, 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.

Service Centers

Page

of

12/17/15

ALPHA Job #

L15 33270

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

Client Information

Project # 0136 - 013-007

(Use Project name as Project #) 

Project Manager: Wife Mumb

ALPHAQuote #:

Turn-Around Time

Standard ☐

Due Date:

Rush (only if pre approved) ☐

of Days:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

CAT B

Please specify Metals or TAL.

[illegible]

Preservative Code:

A = None
B = HCl
C = HNO₃
D = H₂SO₄
E = NaOH
F = MeOH
G = NaHSO₄
H = Na₂S₂O₃
K/E = Zn Ac/NaOH
O = Other

Container Code

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

Westboro: Certification No: MA935

Mansfield: Certification No: MA015

Container Type

Preservative

Relinquished By:

Date/Time

Received By:

Date/Time

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

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.)



ANALYTICAL REPORT

Lab Number:	L1533553
Client:	Turnkey Environmental Restoration, LLC 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Nate Munley
Phone:	(716) 856-0599
Project Name:	15 LARIVIERE & 20 WILKESON WAY
Project Number:	0136-013-007
Report Date:	12/29/15

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: 15 LARIVIERE & 20 WILKESON WAY
Project Number: 0136-013-007

Lab Number: L1533553
Report Date: 12/29/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1533553-01	B/MW-3	WATER	BUFFALO, NY	12/16/15 13:26	12/17/15
L1533553-02	B/MW-2	WATER	BUFFALO, NY	12/16/15 11:17	12/17/15
L1533553-03	B/MW-1	WATER	BUFFALO, NY	12/16/15 12:27	12/17/15
L1533553-04	BLIND DUP	WATER	BUFFALO, NY	12/16/15 12:00	12/17/15
L1533553-05	B/MW-4	WATER	BUFFALO, NY	12/16/15 14:10	12/17/15
L1533553-06	BCP-MW-8	WATER	BUFFALO, NY	12/16/15 15:20	12/17/15
L1533553-07	TRIP BLANK	WATER	BUFFALO, NY	12/16/15 00:00	12/17/15
L1533553-08	BCP-MW-6	WATER	BUFFALO, NY	12/16/15 09:49	12/17/15
L1533553-09	BCP-MW-7	WATER	BUFFALO, NY	12/16/15 10:39	12/17/15

Project Name: 15 LARIVIERE & 20 WILKESON WAY
Project Number: 0136-013-007

Lab Number: L1533553
Report Date: 12/29/15

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. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

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

HOLD POLICY

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

Please contact Client Services at 800-624-9220 with any questions.

Project Name: 15 LARIVIERE & 20 WILKESON WAY
Project Number: 0136-013-007

Lab Number: L1533553
Report Date: 12/29/15

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.

Semivolatile Organics

The WG852011-2/-3 LCS/LCSD recoveries, associated with L1533553-01 through -06, -08, and -09, are below the acceptance criteria for benzoic acid (0%/0%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

The WG852011-4/-5 MS/MSD recoveries, performed on L1533553-02, are below the acceptance criteria for benzoic acid (0%/0%) due to the concentration of this compound falling below the reported detection limit.

Metals

The WG852842-7/-8 MS/MSD recoveries, performed on L1533553-02, are outside the acceptance criteria for antimony (MS 126%), arsenic (MS 132%), cadmium (MS 132%), copper (MS 129%), and potassium (157%/132%). A post digestion spike was performed and yielded unacceptable recoveries for antimony (126%), arsenic (123%), copper(126%), and potassium (126%); all other compounds were within acceptance criteria. This has been attributed to sample matrix.

The WG852842-7/-8 MS/MSD recoveries for calcium (MSD 0%), iron (192%/171%), magnesium (227%/189%), and sodium (190%/0%), performed on L1533553-02, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG852842-7/-8 MS/MSD RPD for selenium (22%) 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: 12/29/15

ORGANICS

VOLATILES

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS**

Lab ID: L1533553-01
Client ID: B/MW-3
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/24/15 17:33
Analyst: MS

Date Collected: 12/16/15 13:26
Date Received: 12/17/15
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	0.07	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: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS****Lab ID:** L1533553-01**Date Collected:** 12/16/15 13:26**Client ID:** B/MW-3**Date Received:** 12/17/15**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	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	3.3	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	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	117		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	109		70-130

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS**

Lab ID: L1533553-02
Client ID: B/MW-2
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/24/15 20:17
Analyst: MS

Date Collected: 12/16/15 11:17
Date Received: 12/17/15
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	0.07	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: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS****Lab ID:** L1533553-02**Date Collected:** 12/16/15 11:17**Client ID:** B/MW-2**Date Received:** 12/17/15**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	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	5.6		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	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	121		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	110		70-130

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS**

Lab ID: L1533553-03
Client ID: B/MW-1
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/24/15 17:57
Analyst: MS

Date Collected: 12/16/15 12:27
Date Received: 12/17/15
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	0.07	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: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS****Lab ID:** L1533553-03**Date Collected:** 12/16/15 12:27**Client ID:** B/MW-1**Date Received:** 12/17/15**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	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	2.6	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	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	119		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	109		70-130

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS**

Lab ID: L1533553-04
Client ID: BLIND DUP
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/24/15 18:20
Analyst: MS

Date Collected: 12/16/15 12:00
Date Received: 12/17/15
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	0.07	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: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS****Lab ID:** L1533553-04**Date Collected:** 12/16/15 12:00**Client ID:** BLIND DUP**Date Received:** 12/17/15**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	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	3.0	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	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	101		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	110		70-130

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS**

Lab ID: L1533553-05
Client ID: B/MW-4
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/24/15 18:44
Analyst: MS

Date Collected: 12/16/15 14:10
Date Received: 12/17/15
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	0.07	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: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS****Lab ID:** L1533553-05**Date Collected:** 12/16/15 14:10**Client ID:** B/MW-4**Date Received:** 12/17/15**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	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	2.4	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	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	118		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	109		70-130

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS**

Lab ID: L1533553-06
Client ID: BCP-MW-8
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/24/15 19:07
Analyst: MS

Date Collected: 12/16/15 15:20
Date Received: 12/17/15
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	0.07	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: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS****Lab ID:** L1533553-06**Date Collected:** 12/16/15 15:20**Client ID:** BCP-MW-8**Date Received:** 12/17/15**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	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	6.2		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	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	118		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	110		70-130

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS**

Lab ID: L1533553-07
Client ID: TRIP BLANK
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/24/15 17:10
Analyst: MS

Date Collected: 12/16/15 00:00
Date Received: 12/17/15
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	0.07	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: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS****Lab ID:** L1533553-07**Date Collected:** 12/16/15 00:00**Client ID:** TRIP BLANK**Date Received:** 12/17/15**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	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	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	92		70-130
Dibromofluoromethane	107		70-130

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS**

Lab ID: L1533553-08
Client ID: BCP-MW-6
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/24/15 19:31
Analyst: MS

Date Collected: 12/16/15 09:49
Date Received: 12/17/15
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	0.07	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: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS****Lab ID:** L1533553-08**Date Collected:** 12/16/15 09:49**Client ID:** BCP-MW-6**Date Received:** 12/17/15**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	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	5.1		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	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	122		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	111		70-130

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS**

Lab ID: L1533553-09
Client ID: BCP-MW-7
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/24/15 19:54
Analyst: MS

Date Collected: 12/16/15 10:39
Date Received: 12/17/15
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	0.07	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: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS****Lab ID:** L1533553-09**Date Collected:** 12/16/15 10:39**Client ID:** BCP-MW-7**Date Received:** 12/17/15**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	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	2.6	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	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	121		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	111		70-130

Project Name: 15 LARIVIERE & 20 WILKESON WAY

Lab Number: L1533553

Project Number: 0136-013-007

Report Date: 12/29/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 12/24/15 14:56
 Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-09 Batch: WG853006-3					
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	0.07
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: 15 LARIVIERE & 20 WILKESON WAY

Lab Number: L1533553

Project Number: 0136-013-007

Report Date: 12/29/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 12/24/15 14:56
 Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-09 Batch: WG853006-3					
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
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: 15 LARIVIERE & 20 WILKESON WAY

Lab Number: L1533553

Project Number: 0136-013-007

Report Date: 12/29/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 12/24/15 14:56

Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-09 Batch: WG853006-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	105		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKESON WAY

Project Number: 0136-013-007

Lab Number: L1533553

Report Date: 12/29/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG853006-1 WG853006-2								
Methylene chloride	101		100		70-130	1		20
1,1-Dichloroethane	97		98		70-130	1		20
Chloroform	100		100		70-130	0		20
2-Chloroethylvinyl ether	53	Q	61	Q	70-130	14		20
Carbon tetrachloride	108		107		63-132	1		20
1,2-Dichloropropane	88		91		70-130	3		20
Dibromochloromethane	99		104		63-130	5		20
1,1,2-Trichloroethane	102		107		70-130	5		20
Tetrachloroethene	101		104		70-130	3		20
Chlorobenzene	99		101		75-130	2		20
Trichlorofluoromethane	120		118		62-150	2		20
1,2-Dichloroethane	103		104		70-130	1		20
1,1,1-Trichloroethane	103		104		67-130	1		20
Bromodichloromethane	99		99		67-130	0		20
trans-1,3-Dichloropropene	89		94		70-130	5		20
cis-1,3-Dichloropropene	85		88		70-130	3		20
1,1-Dichloropropene	95		98		70-130	3		20
Bromoform	99		106		54-136	7		20
1,1,2,2-Tetrachloroethane	95		102		67-130	7		20
Benzene	94		96		70-130	2		20
Toluene	97		99		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKESON WAY

Project Number: 0136-013-007

Lab Number: L1533553

Report Date: 12/29/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG853006-1 WG853006-2								
Ethylbenzene	100		102		70-130	2		20
Chloromethane	93		72		64-130	25	Q	20
Bromomethane	99		102		39-139	3		20
Vinyl chloride	102		102		55-140	0		20
Chloroethane	112		103		55-138	8		20
1,1-Dichloroethene	98		101		61-145	3		20
trans-1,2-Dichloroethene	93		96		70-130	3		20
Trichloroethene	102		102		70-130	0		20
1,2-Dichlorobenzene	97		101		70-130	4		20
1,3-Dichlorobenzene	98		100		70-130	2		20
1,4-Dichlorobenzene	98		100		70-130	2		20
Methyl tert butyl ether	92		100		63-130	8		20
p/m-Xylene	107		108		70-130	1		20
o-Xylene	104		106		70-130	2		20
cis-1,2-Dichloroethene	92		95		70-130	3		20
Dibromomethane	96		102		70-130	6		20
1,2,3-Trichloropropane	102		110		64-130	8		20
Acrylonitrile	98		106		70-130	8		20
Isopropyl Ether	87		91		70-130	4		20
tert-Butyl Alcohol	110		120		70-130	9		20
Styrene	107		109		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKESON WAY

Project Number: 0136-013-007

Lab Number: L1533553

Report Date: 12/29/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG853006-1 WG853006-2								
Dichlorodifluoromethane	102		103		36-147	1		20
Acetone	105		115		58-148	9		20
Carbon disulfide	97		98		51-130	1		20
2-Butanone	102		111		63-138	8		20
Vinyl acetate	96		102		70-130	6		20
4-Methyl-2-pentanone	77		85		59-130	10		20
2-Hexanone	64		71		57-130	10		20
Acrolein	78		89		40-160	13		20
Bromochloromethane	105		107		70-130	2		20
2,2-Dichloropropane	105		107		63-133	2		20
1,2-Dibromoethane	98		105		70-130	7		20
1,3-Dichloropropane	96		101		70-130	5		20
1,1,1,2-Tetrachloroethane	104		106		64-130	2		20
Bromobenzene	96		99		70-130	3		20
n-Butylbenzene	97		99		53-136	2		20
sec-Butylbenzene	92		94		70-130	2		20
tert-Butylbenzene	90		93		70-130	3		20
o-Chlorotoluene	95		97		70-130	2		20
p-Chlorotoluene	94		97		70-130	3		20
1,2-Dibromo-3-chloropropane	96		101		41-144	5		20
Hexachlorobutadiene	103		103		63-130	0		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 15 LARIVIERE & 20 WILKESON WAY

Project Number: 0136-013-007

Lab Number: L1533553

Report Date: 12/29/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG853006-1 WG853006-2								
Isopropylbenzene	87		91		70-130	4		20
p-Isopropyltoluene	92		94		70-130	2		20
Naphthalene	74		84		70-130	13		20
n-Propylbenzene	94		97		69-130	3		20
1,2,3-Trichlorobenzene	107		117		70-130	9		20
1,2,4-Trichlorobenzene	88		93		70-130	6		20
1,3,5-Trimethylbenzene	99		102		64-130	3		20
1,2,4-Trimethylbenzene	94		96		70-130	2		20
Methyl Acetate	97		105		70-130	8		20
Ethyl Acetate	88		98		70-130	11		20
Cyclohexane	90		92		70-130	2		20
Ethyl-Tert-Butyl-Ether	91		97		70-130	6		20
Tertiary-Amyl Methyl Ether	81		87		66-130	7		20
1,4-Dioxane	132		140		56-162	6		20
1,1,2-Trichloro-1,2,2-Trifluoroethane	105		107		70-130	2		20
p-Diethylbenzene	90		91		70-130	1		20
p-Ethyltoluene	97		99		70-130	2		20
1,2,4,5-Tetramethylbenzene	82		84		70-130	2		20
Ethyl ether	105		108		59-134	3		20
trans-1,4-Dichloro-2-butene	89		95		70-130	7		20
Iodomethane	61	Q	68	Q	70-130	11		20

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG853006-1 WG853006-2								
Methyl cyclohexane	95		96		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	111		111		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	90		92		70-130
Dibromofluoromethane	105		104		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKESON WAY
Project Number: 0136-013-007

Lab Number: L1533553
Report Date: 12/29/15

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): 01-09 QC Batch ID: WG853006-4 WG853006-5 QC Sample: L1533553-02 Client ID: B/MW-2												
Methylene chloride	ND	10	11	107		11	109		70-130	0		20
1,1-Dichloroethane	ND	10	11	108		11	109		70-130	0		20
Chloroform	ND	10	11	110		11	112		70-130	0		20
Carbon tetrachloride	ND	10	12	118		12	117		63-132	0		20
1,2-Dichloropropane	ND	10	9.9	99		10	101		70-130	1		20
Dibromochloromethane	ND	10	11	112		12	115		63-130	9		20
1,1,2-Trichloroethane	ND	10	12	115		12	118		70-130	0		20
Tetrachloroethene	ND	10	11	111		11	114		70-130	0		20
Chlorobenzene	ND	10	11	111		11	113		75-130	0		20
Trichlorofluoromethane	ND	10	13	129		13	128		62-150	0		20
1,2-Dichloroethane	ND	10	11	114		12	115		70-130	9		20
1,1,1-Trichloroethane	ND	10	12	116		11	115		67-130	9		20
Bromodichloromethane	ND	10	11	109		11	111		67-130	0		20
trans-1,3-Dichloropropene	ND	10	9.8	98		10	102		70-130	2		20
cis-1,3-Dichloropropene	ND	10	8.0	80		8.5	85		70-130	6		20
1,1-Dichloropropene	ND	10	11	106		11	109		70-130	0		20
Bromoform	ND	10	11	109		11	114		54-136	0		20
1,1,2,2-Tetrachloroethane	ND	10	11	107		11	111		67-130	0		20
Benzene	ND	10	10	105		11	107		70-130	10		20
Toluene	ND	10	11	109		11	110		70-130	0		20
Ethylbenzene	ND	10	11	112		11	113		70-130	0		20

Matrix Spike Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKESON WAY
Project Number: 0136-013-007

Lab Number: L1533553
Report Date: 12/29/15

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): 01-09 QC Batch ID: WG853006-4 WG853006-5 QC Sample: L1533553-02 Client ID: B/MW-2												
Chloromethane	ND	10	8.1	81		7.9	79		64-130	2		20
Bromomethane	ND	10	5.1	51		6.7	67		39-139	27	Q	20
Vinyl chloride	ND	10	10	106		11	111		55-140	10		20
Chloroethane	ND	10	12	118		12	117		55-138	0		20
1,1-Dichloroethene	ND	10	11	110		11	111		61-145	0		20
trans-1,2-Dichloroethene	ND	10	10	103		11	106		70-130	10		20
Trichloroethene	ND	10	11	112		11	112		70-130	0		20
1,2-Dichlorobenzene	ND	10	11	106		11	111		70-130	0		20
1,3-Dichlorobenzene	ND	10	10	106		11	112		70-130	10		20
1,4-Dichlorobenzene	ND	10	10	106		11	110		70-130	10		20
Methyl tert butyl ether	ND	10	10	101		11	108		63-130	10		20
p/m-Xylene	ND	20	24	119		24	121		70-130	0		20
o-Xylene	ND	20	23	117		24	119		70-130	4		20
cis-1,2-Dichloroethene	ND	10	10	102		10	105		70-130	0		20
Dibromomethane	ND	10	11	108		11	109		70-130	0		20
1,2,3-Trichloropropane	ND	10	11	115		12	120		64-130	9		20
Acrylonitrile	ND	10	11	107		11	113		70-130	0		20
Isopropyl Ether	ND	10	9.6	96		10	103		70-130	4		20
tert-Butyl Alcohol	ND	50	56	113		62	124		70-130	10		20
Styrene	ND	20	24	119		24	121		70-130	0		20
Dichlorodifluoromethane	ND	10	9.9	99		10	104		36-147	1		20

Matrix Spike Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKESON WAY
Project Number: 0136-013-007

Lab Number: L1533553
Report Date: 12/29/15

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): 01-09 QC Batch ID: WG853006-4 WG853006-5 QC Sample: L1533553-02 Client ID: B/MW-2												
Acetone	5.6	10	14	81		14	90		58-148	0		20
Carbon disulfide	ND	10	11	111		11	110		51-130	0		20
2-Butanone	ND	10	11	113		12	115		63-138	9		20
Vinyl acetate	ND	10	11	106		11	111		70-130	0		20
4-Methyl-2-pentanone	ND	10	8.5	85		9.0	90		59-130	6		20
2-Hexanone	ND	10	7.3	73		7.8	78		57-130	7		20
Acrolein	ND	10	7.8	78		8.6	86		40-160	10		20
Bromochloromethane	ND	10	11	115		12	116		70-130	9		20
2,2-Dichloropropane	ND	10	10	106		11	106		63-133	10		20
1,2-Dibromoethane	ND	10	11	110		11	115		70-130	0		20
1,3-Dichloropropane	ND	10	11	109		11	113		70-130	0		20
1,1,1,2-Tetrachloroethane	ND	10	12	116		12	118		64-130	0		20
Bromobenzene	ND	10	11	106		11	112		70-130	0		20
n-Butylbenzene	ND	10	10	100		11	108		53-136	10		20
sec-Butylbenzene	ND	10	9.9	99		10	105		70-130	1		20
tert-Butylbenzene	ND	10	10	100		10	106		70-130	0		20
o-Chlorotoluene	ND	10	11	106		11	110		70-130	0		20
p-Chlorotoluene	ND	10	10	105		11	111		70-130	10		20
1,2-Dibromo-3-chloropropane	ND	10	10	102		11	110		41-144	10		20
Hexachlorobutadiene	ND	10	9.3	93		10	102		63-130	7		20
Isopropylbenzene	ND	10	9.8	98		10	104		70-130	2		20

Matrix Spike Analysis Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKESON WAY
Project Number: 0136-013-007

Lab Number: L1533553
Report Date: 12/29/15

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG853006-4 WG853006-5 QC Sample: L1533553-02 Client ID: B/MW-2												
p-Isopropyltoluene	ND	10	9.9	99		10	105		70-130	1		20
Naphthalene	ND	10	7.9	79		9.1	91		70-130	14		20
n-Propylbenzene	ND	10	10	104		11	109		69-130	10		20
1,2,3-Trichlorobenzene	ND	10	11	107		12	122		70-130	9		20
1,2,4-Trichlorobenzene	ND	10	8.8	88		9.8	98		70-130	11		20
1,3,5-Trimethylbenzene	ND	10	11	110		11	115		64-130	0		20
1,2,4-Trimethylbenzene	ND	10	10	103		11	109		70-130	10		20
Methyl Acetate	ND	10	10	103		11	108		70-130	10		20
Ethyl Acetate	ND	10	9.5J	95		10	101		70-130	5		20
Cyclohexane	ND	10	9.2J	92		9.7J	97		70-130	5		20
Ethyl-Tert-Butyl-Ether	ND	10	10	100		11	107		70-130	10		20
Tertiary-Amyl Methyl Ether	ND	10	8.9	89		9.4	94		66-130	5		20
1,4-Dioxane	ND	500	600	119		750	150		56-162	22	Q	20
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	10	103		11	108		70-130	10		20
p-Diethylbenzene	ND	10	9.4	94		10	101		70-130	6		20
p-Ethyltoluene	ND	10	11	107		11	112		70-130	0		20
1,2,4,5-Tetramethylbenzene	ND	10	8.7	87		9.3	93		70-130	7		20
Ethyl ether	ND	10	11	112		12	119		59-134	9		20
trans-1,4-Dichloro-2-butene	ND	10	8.7	87		9.2	93		70-130	6		20
Methyl cyclohexane	ND	10	8.9J	89		10	100		70-130	12		20

Matrix Spike Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKESON WAY
Project Number: 0136-013-007

Lab Number: L1533553
Report Date: 12/29/15

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG853006-4 WG853006-5 QC Sample: L1533553-02 Client ID: B/MW-2

<i>Surrogate</i>	<i>MS % Recovery</i>	<i>Qualifier</i>	<i>MSD % Recovery</i>	<i>Qualifier</i>	<i>Acceptance Criteria</i>
1,2-Dichloroethane-d4	113		109		70-130
4-Bromofluorobenzene	91		93		70-130
Dibromofluoromethane	105		104		70-130
Toluene-d8	101		101		70-130

SEMIVOLATILES

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS**

Lab ID: L1533553-01
Client ID: B/MW-3
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 12/24/15 15:37
Analyst: RC

Date Collected: 12/16/15 13:26
Date Received: 12/17/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/22/15 08:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.1	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS****Lab ID:** L1533553-01**Date Collected:** 12/16/15 13:26**Client ID:** B/MW-3**Date Received:** 12/17/15**Sample Location:** BUFFALO, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
2-Methylphenol	ND		ug/l	5.0	1.0	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Benzoic Acid	ND		ug/l	50	13.	1
Benzyl Alcohol	ND		ug/l	2.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	3.6	1
Atrazine	ND		ug/l	10	1.8	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	69		10-120
4-Terphenyl-d14	84		41-149

Project Name: 15 LARIVIERE & 20 WILKESON WAY
Project Number: 0136-013-007

Lab Number: L1533553
Report Date: 12/29/15

SAMPLE RESULTS

Lab ID: L1533553-01
Client ID: B/MW-3
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/23/15 12:47
Analyst: KV

Date Collected: 12/16/15 13:26
Date Received: 12/17/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/22/15 08:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	ND		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04	1
Pyrene	ND		ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS**

Lab ID: L1533553-01

Date Collected: 12/16/15 13:26

Client ID: B/MW-3

Date Received: 12/17/15

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	40		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	88		10-120
4-Terphenyl-d14	95		41-149

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS**

Lab ID: L1533553-02
Client ID: B/MW-2
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 12/24/15 16:04
Analyst: RC

Date Collected: 12/16/15 11:17
Date Received: 12/17/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/22/15 08:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.1	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS****Lab ID:** L1533553-02**Date Collected:** 12/16/15 11:17**Client ID:** B/MW-2**Date Received:** 12/17/15**Sample Location:** BUFFALO, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
2-Methylphenol	ND		ug/l	5.0	1.0	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Benzoic Acid	ND		ug/l	50	13.	1
Benzyl Alcohol	ND		ug/l	2.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	3.6	1
Atrazine	ND		ug/l	10	1.8	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		21-120
Phenol-d6	26		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	74		10-120
4-Terphenyl-d14	72		41-149

Project Name: 15 LARIVIERE & 20 WILKESON WAY
Project Number: 0136-013-007

Lab Number: L1533553
Report Date: 12/29/15

SAMPLE RESULTS

Lab ID: L1533553-02
Client ID: B/MW-2
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/23/15 12:22
Analyst: KV

Date Collected: 12/16/15 11:17
Date Received: 12/17/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/22/15 08:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	ND		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04	1
Pyrene	ND		ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS****Lab ID:** L1533553-02**Date Collected:** 12/16/15 11:17**Client ID:** B/MW-2**Date Received:** 12/17/15**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	26		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	85		10-120
4-Terphenyl-d14	85		41-149

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS**

Lab ID: L1533553-03
Client ID: B/MW-1
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 12/24/15 16:32
Analyst: RC

Date Collected: 12/16/15 12:27
Date Received: 12/17/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/22/15 08:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.1	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS****Lab ID:** L1533553-03**Date Collected:** 12/16/15 12:27**Client ID:** B/MW-1**Date Received:** 12/17/15**Sample Location:** BUFFALO, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
2-Methylphenol	ND		ug/l	5.0	1.0	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Benzoic Acid	ND		ug/l	50	13.	1
Benzyl Alcohol	ND		ug/l	2.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	3.6	1
Atrazine	ND		ug/l	10	1.8	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	42		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	72		10-120
4-Terphenyl-d14	70		41-149

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS**

Lab ID: L1533553-03
Client ID: B/MW-1
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/23/15 13:13
Analyst: KV

Date Collected: 12/16/15 12:27
Date Received: 12/17/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/22/15 08:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	ND		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04	1
Pyrene	ND		ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS****Lab ID:** L1533553-03**Date Collected:** 12/16/15 12:27**Client ID:** B/MW-1**Date Received:** 12/17/15**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	27		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	81		10-120
4-Terphenyl-d14	82		41-149

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS**

Lab ID: L1533553-04
Client ID: BLIND DUP
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 12/24/15 17:00
Analyst: RC

Date Collected: 12/16/15 12:00
Date Received: 12/17/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/22/15 08:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.1	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS****Lab ID:** L1533553-04**Date Collected:** 12/16/15 12:00**Client ID:** BLIND DUP**Date Received:** 12/17/15**Sample Location:** BUFFALO, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
2-Methylphenol	ND		ug/l	5.0	1.0	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Benzoic Acid	ND		ug/l	50	13.	1
Benzyl Alcohol	ND		ug/l	2.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	3.6	1
Atrazine	ND		ug/l	10	1.8	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	42		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	74		10-120
4-Terphenyl-d14	74		41-149

Project Name: 15 LARIVIERE & 20 WILKESON WAY
Project Number: 0136-013-007

Lab Number: L1533553
Report Date: 12/29/15

SAMPLE RESULTS

Lab ID: L1533553-04
Client ID: BLIND DUP
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/23/15 13:38
Analyst: KV

Date Collected: 12/16/15 12:00
Date Received: 12/17/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/22/15 08:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	ND		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04	1
Pyrene	ND		ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS**

Lab ID: L1533553-04

Date Collected: 12/16/15 12:00

Client ID: BLIND DUP

Date Received: 12/17/15

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	41		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	82		10-120
4-Terphenyl-d14	88		41-149

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS**

Lab ID: L1533553-05
Client ID: B/MW-4
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 12/24/15 17:27
Analyst: RC

Date Collected: 12/16/15 14:10
Date Received: 12/17/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/22/15 08:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.1	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS****Lab ID:** L1533553-05**Date Collected:** 12/16/15 14:10**Client ID:** B/MW-4**Date Received:** 12/17/15**Sample Location:** BUFFALO, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
2-Methylphenol	ND		ug/l	5.0	1.0	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Benzoic Acid	ND		ug/l	50	13.	1
Benzyl Alcohol	ND		ug/l	2.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	3.6	1
Atrazine	ND		ug/l	10	1.8	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	34		21-120
Phenol-d6	23		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	61		15-120
2,4,6-Tribromophenol	65		10-120
4-Terphenyl-d14	72		41-149

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS**

Lab ID: L1533553-05
Client ID: B/MW-4
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/23/15 14:03
Analyst: KV

Date Collected: 12/16/15 14:10
Date Received: 12/17/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/22/15 08:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	ND		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04	1
Pyrene	ND		ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS****Lab ID:** L1533553-05**Date Collected:** 12/16/15 14:10**Client ID:** B/MW-4**Date Received:** 12/17/15**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	35		21-120
Phenol-d6	23		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	83		10-120
4-Terphenyl-d14	89		41-149

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS**

Lab ID: L1533553-06
Client ID: BCP-MW-8
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 12/24/15 17:55
Analyst: RC

Date Collected: 12/16/15 15:20
Date Received: 12/17/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/22/15 08:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.1	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS****Lab ID:** L1533553-06**Date Collected:** 12/16/15 15:20**Client ID:** BCP-MW-8**Date Received:** 12/17/15**Sample Location:** BUFFALO, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
2-Methylphenol	ND		ug/l	5.0	1.0	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Benzoic Acid	ND		ug/l	50	13.	1
Benzyl Alcohol	ND		ug/l	2.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	3.6	1
Atrazine	ND		ug/l	10	1.8	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		21-120
Phenol-d6	24		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	59		15-120
2,4,6-Tribromophenol	61		10-120
4-Terphenyl-d14	61		41-149

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS**

Lab ID: L1533553-06
Client ID: BCP-MW-8
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/23/15 14:28
Analyst: KV

Date Collected: 12/16/15 15:20
Date Received: 12/17/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/22/15 08:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	ND		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04	1
Pyrene	ND		ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS**

Lab ID: L1533553-06

Date Collected: 12/16/15 15:20

Client ID: BCP-MW-8

Date Received: 12/17/15

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	35		21-120
Phenol-d6	23		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	70		10-120
4-Terphenyl-d14	75		41-149

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS**

Lab ID: L1533553-08
Client ID: BCP-MW-6
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 12/24/15 18:23
Analyst: RC

Date Collected: 12/16/15 09:49
Date Received: 12/17/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/22/15 08:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.1	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS****Lab ID:** L1533553-08**Date Collected:** 12/16/15 09:49**Client ID:** BCP-MW-6**Date Received:** 12/17/15**Sample Location:** BUFFALO, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
2-Methylphenol	ND		ug/l	5.0	1.0	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Benzoic Acid	ND		ug/l	50	13.	1
Benzyl Alcohol	ND		ug/l	2.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	3.6	1
Atrazine	ND		ug/l	10	1.8	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	33		21-120
Phenol-d6	23		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	63		15-120
2,4,6-Tribromophenol	54		10-120
4-Terphenyl-d14	65		41-149

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS**

Lab ID: L1533553-08
Client ID: BCP-MW-6
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/23/15 14:53
Analyst: KV

Date Collected: 12/16/15 09:49
Date Received: 12/17/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/22/15 08:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	ND		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04	1
Pyrene	ND		ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS**

Lab ID: L1533553-08

Date Collected: 12/16/15 09:49

Client ID: BCP-MW-6

Date Received: 12/17/15

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	36		21-120
Phenol-d6	24		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	69		10-120
4-Terphenyl-d14	77		41-149

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS**

Lab ID: L1533553-09
Client ID: BCP-MW-7
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 12/28/15 14:02
Analyst: RC

Date Collected: 12/16/15 10:39
Date Received: 12/17/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/22/15 08:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	1.5	J	ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.1	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS****Lab ID:** L1533553-09**Date Collected:** 12/16/15 10:39**Client ID:** BCP-MW-7**Date Received:** 12/17/15**Sample Location:** BUFFALO, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
2-Methylphenol	ND		ug/l	5.0	1.0	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Benzoic Acid	ND		ug/l	50	13.	1
Benzyl Alcohol	ND		ug/l	2.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	3.6	1
Atrazine	ND		ug/l	10	1.8	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		21-120
Phenol-d6	26		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	66		10-120
4-Terphenyl-d14	67		41-149

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS**

Lab ID: L1533553-09
Client ID: BCP-MW-7
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/23/15 15:18
Analyst: KV

Date Collected: 12/16/15 10:39
Date Received: 12/17/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/22/15 08:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	ND		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04	1
Pyrene	ND		ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS****Lab ID:** L1533553-09**Date Collected:** 12/16/15 10:39**Client ID:** BCP-MW-7**Date Received:** 12/17/15**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	40		21-120
Phenol-d6	26		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	70		10-120
4-Terphenyl-d14	69		41-149

Project Name: 15 LARIVIERE & 20 WILKESON WAY

Lab Number: L1533553

Project Number: 0136-013-007

Report Date: 12/29/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 12/24/15 11:03
 Analyst: RC

Extraction Method: EPA 3510C
 Extraction Date: 12/22/15 08:43

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06,08-09 Batch: WG852011-1					
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73
1,3-Dichlorobenzene	ND		ug/l	2.0	0.73
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63
Hexachlorocyclopentadiene	ND		ug/l	20	7.8
Isophorone	ND		ug/l	5.0	0.60
Nitrobenzene	ND		ug/l	2.0	0.75
NDPA/DPA	ND		ug/l	2.0	0.64
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91
Butyl benzyl phthalate	ND		ug/l	5.0	1.3
Di-n-butylphthalate	ND		ug/l	5.0	0.69
Di-n-octylphthalate	ND		ug/l	5.0	1.1
Diethyl phthalate	ND		ug/l	5.0	0.63
Dimethyl phthalate	ND		ug/l	5.0	0.65
Biphenyl	ND		ug/l	2.0	0.76
4-Chloroaniline	ND		ug/l	5.0	0.63
2-Nitroaniline	ND		ug/l	5.0	1.1
3-Nitroaniline	ND		ug/l	5.0	1.1
4-Nitroaniline	ND		ug/l	5.0	1.3
Dibenzofuran	ND		ug/l	2.0	0.66

Project Name: 15 LARIVIERE & 20 WILKESON WAY

Lab Number: L1533553

Project Number: 0136-013-007

Report Date: 12/29/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 12/24/15 11:03
 Analyst: RC

Extraction Method: EPA 3510C
 Extraction Date: 12/22/15 08:43

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06,08-09 Batch: WG852011-1					
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67
Acetophenone	ND		ug/l	5.0	0.85
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68
p-Chloro-m-cresol	ND		ug/l	2.0	0.62
2-Chlorophenol	ND		ug/l	2.0	0.63
2,4-Dichlorophenol	ND		ug/l	5.0	0.77
2,4-Dimethylphenol	ND		ug/l	5.0	1.6
2-Nitrophenol	ND		ug/l	10	1.5
4-Nitrophenol	ND		ug/l	10	1.8
2,4-Dinitrophenol	ND		ug/l	20	5.5
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1
Phenol	ND		ug/l	5.0	1.9
2-Methylphenol	ND		ug/l	5.0	1.0
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72
Benzoic Acid	ND		ug/l	50	13.
Benzyl Alcohol	ND		ug/l	2.0	0.72
Carbazole	ND		ug/l	2.0	0.63
Benzaldehyde	ND		ug/l	5.0	1.1
Caprolactam	ND		ug/l	10	3.6
Atrazine	ND		ug/l	10	1.8
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**Method Blank Analysis**
Batch Quality ControlAnalytical Method: 1,8270D
Analytical Date: 12/24/15 11:03
Analyst: RCExtraction Method: EPA 3510C
Extraction Date: 12/22/15 08:43

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06,08-09 Batch: WG852011-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	29		21-120
Phenol-d6	19		10-120
Nitrobenzene-d5	50		23-120
2-Fluorobiphenyl	53		15-120
2,4,6-Tribromophenol	71		10-120
4-Terphenyl-d14	78		41-149

Project Name: 15 LARIVIERE & 20 WILKESON WAY

Lab Number: L1533553

Project Number: 0136-013-007

Report Date: 12/29/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D-SIM
 Analytical Date: 12/23/15 10:18
 Analyst: KV

Extraction Method: EPA 3510C
 Extraction Date: 12/22/15 08:43

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-06,08-09 Batch: WG852388-1					
Acenaphthene	ND		ug/l	0.20	0.04
2-Chloronaphthalene	ND		ug/l	0.20	0.04
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.04
Naphthalene	ND		ug/l	0.20	0.04
Benzo(a)anthracene	ND		ug/l	0.20	0.02
Benzo(a)pyrene	ND		ug/l	0.20	0.04
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04
Chrysene	ND		ug/l	0.20	0.04
Acenaphthylene	ND		ug/l	0.20	0.04
Anthracene	ND		ug/l	0.20	0.04
Benzo(ghi)perylene	ND		ug/l	0.20	0.04
Fluorene	ND		ug/l	0.20	0.04
Phenanthrene	ND		ug/l	0.20	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04
Pyrene	ND		ug/l	0.20	0.04
2-Methylnaphthalene	ND		ug/l	0.20	0.05
Pentachlorophenol	ND		ug/l	0.80	0.22
Hexachlorobenzene	ND		ug/l	0.80	0.03
Hexachloroethane	ND		ug/l	0.80	0.03

Project Name: 15 LARIVIERE & 20 WILKESON WAY

Lab Number: L1533553

Project Number: 0136-013-007

Report Date: 12/29/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D-SIM
 Analytical Date: 12/23/15 10:18
 Analyst: KV

Extraction Method: EPA 3510C
 Extraction Date: 12/22/15 08:43

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-06,08-09 Batch: WG852388-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	29		21-120
Phenol-d6	20		10-120
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	59		15-120
2,4,6-Tribromophenol	82		10-120
4-Terphenyl-d14	96		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKESON WAY

Project Number: 0136-013-007

Lab Number: L1533553

Report Date: 12/29/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06,08-09 Batch: WG852011-2 WG852011-3								
1,2,4-Trichlorobenzene	68		60		39-98	13		30
Bis(2-chloroethyl)ether	72		62		40-140	15		30
1,2-Dichlorobenzene	63		56		40-140	12		30
1,3-Dichlorobenzene	61		53		40-140	14		30
1,4-Dichlorobenzene	62		54		36-97	14		30
3,3'-Dichlorobenzidine	59		56		40-140	5		30
2,4-Dinitrotoluene	80		72		24-96	11		30
2,6-Dinitrotoluene	84		75		40-140	11		30
4-Chlorophenyl phenyl ether	76		69		40-140	10		30
4-Bromophenyl phenyl ether	80		71		40-140	12		30
Bis(2-chloroisopropyl)ether	69		60		40-140	14		30
Bis(2-chloroethoxy)methane	76		68		40-140	11		30
Hexachlorocyclopentadiene	37	Q	30	Q	40-140	21		30
Isophorone	80		72		40-140	11		30
Nitrobenzene	76		66		40-140	14		30
NitrosoDiPhenylAmine(NDPA)/DPA	75		70		40-140	7		30
n-Nitrosodi-n-propylamine	80		71		29-132	12		30
Bis(2-Ethylhexyl)phthalate	95		85		40-140	11		30
Butyl benzyl phthalate	85		76		40-140	11		30
Di-n-butylphthalate	84		75		40-140	11		30
Di-n-octylphthalate	91		80		40-140	13		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 15 LARIVIERE & 20 WILKESON WAY

Project Number: 0136-013-007

Lab Number: L1533553

Report Date: 12/29/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06,08-09 Batch: WG852011-2 WG852011-3								
Diethyl phthalate	80		72		40-140	11		30
Dimethyl phthalate	77		70		40-140	10		30
Biphenyl	75		68		54-104	10		30
4-Chloroaniline	76		80		40-140	5		30
2-Nitroaniline	82		72		52-143	13		30
3-Nitroaniline	63		61		25-145	3		30
4-Nitroaniline	71		65		51-143	9		30
Dibenzofuran	76		69		40-140	10		30
1,2,4,5-Tetrachlorobenzene	73		65		2-134	12		30
Acetophenone	85		75		39-129	13		30
2,4,6-Trichlorophenol	92		81		30-130	13		30
P-Chloro-M-Cresol	88		78		23-97	12		30
2-Chlorophenol	74		64		27-123	14		30
2,4-Dichlorophenol	85		74		30-130	14		30
2,4-Dimethylphenol	40		72		30-130	57	Q	30
2-Nitrophenol	77		68		30-130	12		30
4-Nitrophenol	52		44		10-80	17		30
2,4-Dinitrophenol	31		34		20-130	9		30
4,6-Dinitro-o-cresol	48		43		20-164	11		30
Phenol	40		33		12-110	19		30
2-Methylphenol	65		64		30-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKESON WAY

Project Number: 0136-013-007

Lab Number: L1533553

Report Date: 12/29/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06,08-09 Batch: WG852011-2 WG852011-3								
3-Methylphenol/4-Methylphenol	72		66		30-130	9		30
2,4,5-Trichlorophenol	87		77		30-130	12		30
Benzoic Acid	0	Q	0	Q	10-110	NC		30
Benzyl Alcohol	73		60		15-110	20		30
Carbazole	80		73		55-144	9		30
Benzaldehyde	73		67		40-140	9		30
Caprolactam	26		21		10-130	21		30
Atrazine	89		80		40-140	11		30
2,3,4,6-Tetrachlorophenol	77		72		54-145	7		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	53		43		21-120
Phenol-d6	38		31		10-120
Nitrobenzene-d5	79		70		23-120
2-Fluorobiphenyl	77		69		15-120
2,4,6-Tribromophenol	83		76		10-120
4-Terphenyl-d14	78		69		41-149

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 15 LARIVIERE & 20 WILKESON WAY

Project Number: 0136-013-007

Lab Number: L1533553

Report Date: 12/29/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-06,08-09 Batch: WG852388-2 WG852388-3								
Acenaphthene	91		79		37-111	14		40
2-Chloronaphthalene	96		82		40-140	16		40
Fluoranthene	105		90		40-140	15		40
Hexachlorobutadiene	78		68		40-140	14		40
Naphthalene	81		71		40-140	13		40
Benzo(a)anthracene	100		86		40-140	15		40
Benzo(a)pyrene	103		90		40-140	13		40
Benzo(b)fluoranthene	107		87		40-140	21		40
Benzo(k)fluoranthene	101		87		40-140	15		40
Chrysene	95		81		40-140	16		40
Acenaphthylene	94		82		40-140	14		40
Anthracene	96		84		40-140	13		40
Benzo(ghi)perylene	103		86		40-140	18		40
Fluorene	97		84		40-140	14		40
Phenanthrene	96		83		40-140	15		40
Dibenzo(a,h)anthracene	108		92		40-140	16		40
Indeno(1,2,3-cd)Pyrene	108		90		40-140	18		40
Pyrene	102		88		26-127	15		40
2-Methylnaphthalene	86		75		40-140	14		40
Pentachlorophenol	75		74		9-103	1		40
Hexachlorobenzene	93		81		40-140	14		40

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-06,08-09 Batch: WG852388-2 WG852388-3								
Hexachloroethane	74		63		40-140	16		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	51		40		21-120
Phenol-d6	38		30		10-120
Nitrobenzene-d5	80		68		23-120
2-Fluorobiphenyl	87		74		15-120
2,4,6-Tribromophenol	96		79		10-120
4-Terphenyl-d14	95		80		41-149

Matrix Spike Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKESON WAY
Project Number: 0136-013-007

Lab Number: L1533553
Report Date: 12/29/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Recovery Qual	Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06,08-09 QC Batch ID: WG852011-4 WG852011-5 QC Sample: L1533553-02 Client ID: B/MW-2												
1,2,4-Trichlorobenzene	ND	40	24	60		28	70		39-98	15		30
Bis(2-chloroethyl)ether	ND	40	27	68		29	73		40-140	7		30
1,2-Dichlorobenzene	ND	40	23	58		26	65		40-140	12		30
1,3-Dichlorobenzene	ND	40	22	55		25	63		40-140	13		30
1,4-Dichlorobenzene	ND	40	22	55		25	63		36-97	13		30
3,3'-Dichlorobenzidine	ND	40	19	48		20	50		40-140	5		30
2,4-Dinitrotoluene	ND	40	30	75		32	80		24-96	6		30
2,6-Dinitrotoluene	ND	40	30	75		34	85		40-140	13		30
4-Chlorophenyl phenyl ether	ND	40	28	70		31	78		40-140	10		30
4-Bromophenyl phenyl ether	ND	40	29	73		32	80		40-140	10		30
Bis(2-chloroisopropyl)ether	ND	40	25	63		27	68		40-140	8		30
Bis(2-chloroethoxy)methane	ND	40	28	70		30	75		40-140	7		30
Hexachlorocyclopentadiene	ND	40	14J	35	Q	16.J	40		40-140	13		30
Isophorone	ND	40	29	73		32	80		40-140	10		30
Nitrobenzene	ND	40	29	73		31	78		40-140	7		30
NitrosoDiPhenylAmine(NDPA)/DPA	ND	40	28	70		31	78		40-140	10		30
n-Nitrosodi-n-propylamine	ND	40	29	73		32	80		29-132	10		30
Bis(2-Ethylhexyl)phthalate	ND	40	35	88		38	95		40-140	8		30
Butyl benzyl phthalate	ND	40	31	78		33	83		40-140	6		30
Di-n-butylphthalate	ND	40	31	78		33	83		40-140	6		30
Di-n-octylphthalate	ND	40	33	83		35	88		40-140	6		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKESON WAY
Project Number: 0136-013-007

Lab Number: L1533553
Report Date: 12/29/15

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): 01-06,08-09 QC Batch ID: WG852011-4 WG852011-5 QC Sample: L1533553-02 Client ID: B/MW-2												
Diethyl phthalate	ND	40	29	73		31	78		40-140	7		30
Dimethyl phthalate	ND	40	28	70		31	78		40-140	10		30
Biphenyl	ND	40	28	70		30	75		54-104	7		30
4-Chloroaniline	ND	40	27	68		30	75		40-140	11		30
2-Nitroaniline	ND	40	30	75		33	83		52-143	10		30
3-Nitroaniline	ND	40	22	55		26	65		25-145	17		30
4-Nitroaniline	ND	40	25	63		27	68		51-143	8		30
Dibenzofuran	ND	40	28	70		30	75		40-140	7		30
1,2,4,5-Tetrachlorobenzene	ND	40	27	68		29	73		2-134	7		30
Acetophenone	ND	40	32	80		34	85		39-129	6		30
2,4,6-Trichlorophenol	ND	40	33	83		37	93		30-130	11		30
P-Chloro-M-Cresol	ND	40	32	80		35	88		23-97	9		30
2-Chlorophenol	ND	40	28	70		30	75		27-123	7		30
2,4-Dichlorophenol	ND	40	31	78		34	85		30-130	9		30
2,4-Dimethylphenol	ND	40	15	38		19	48		30-130	24		30
2-Nitrophenol	ND	40	29	73		31	78		30-130	7		30
4-Nitrophenol	ND	40	18	45		19	48		10-80	5		30
2,4-Dinitrophenol	ND	40	20	50		23	58		20-130	14		30
4,6-Dinitro-o-cresol	ND	40	22	55		24	60		20-164	9		30
Phenol	ND	40	14	35		15	38		12-110	7		30
2-Methylphenol	ND	40	24	60		26	65		30-130	8		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKESON WAY
Project Number: 0136-013-007

Lab Number: L1533553
Report Date: 12/29/15

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): 01-06,08-09 QC Batch ID: WG852011-4 WG852011-5 QC Sample: L1533553-02 Client ID: B/MW-2												
3-Methylphenol/4-Methylphenol	ND	40	26	65		29	73		30-130	11		30
2,4,5-Trichlorophenol	ND	40	32	80		35	88		30-130	9		30
Benzoic Acid	ND	40	ND	0	Q	ND	0	Q	10-110	NC		30
Benzyl Alcohol	ND	40	26	65		29	73		15-110	11		30
Carbazole	ND	40	30	75		32	80		55-144	6		30
Benzaldehyde	ND	40	28	70		30	75		40-140	7		30
Caprolactam	ND	40	8.1J	20		9.7J	24		10-130	18		30
Atrazine	ND	40	31	78		34	85		40-140	9		30
2,3,4,6-Tetrachlorophenol	ND	40	28	70		31	78		54-145	10		30

Surrogate	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
2,4,6-Tribromophenol	77		83		10-120
2-Fluorobiphenyl	71		79		15-120
2-Fluorophenol	49		52		21-120
4-Terphenyl-d14	70		75		41-149
Nitrobenzene-d5	72		79		23-120
Phenol-d6	33		36		10-120

Matrix Spike Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKESON WAY
Project Number: 0136-013-007

Lab Number: L1533553
Report Date: 12/29/15

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): 01-06,08-09 QC Batch ID: WG852388-4 WG852388-5 QC Sample: L1533553-02 Client ID: B/MW-2												
Acenaphthene	ND	40	33	83		36	90		37-111	9		40
2-Chloronaphthalene	ND	40	34	85		37	93		40-140	8		40
Fluoranthene	ND	40	37	93		40	100		40-140	8		40
Hexachlorobutadiene	ND	40	24	60		30	75		40-140	22		40
Naphthalene	ND	40	29	73		33	83		40-140	13		40
Benzo(a)anthracene	ND	40	35	88		39	98		40-140	11		40
Benzo(a)pyrene	ND	40	37	93		41	100		40-140	10		40
Benzo(b)fluoranthene	ND	40	37	93		41	100		40-140	10		40
Benzo(k)fluoranthene	ND	40	36	90		40	100		40-140	11		40
Chrysene	ND	40	33	83		36	90		40-140	9		40
Acenaphthylene	ND	40	34	85		37	93		40-140	8		40
Anthracene	ND	40	35	88		37	93		40-140	6		40
Benzo(ghi)perylene	ND	40	35	88		40	100		40-140	13		40
Fluorene	ND	40	35	88		38	95		40-140	8		40
Phenanthrene	ND	40	34	85		37	93		40-140	8		40
Dibenzo(a,h)anthracene	ND	40	38	95		42	110		40-140	10		40
Indeno(1,2,3-cd)Pyrene	ND	40	37	93		41	100		40-140	10		40
Pyrene	ND	40	36	90		39	98		26-127	8		40
2-Methylnaphthalene	ND	40	31	78		35	88		40-140	12		40
Pentachlorophenol	ND	40	31	78		34	85		9-103	9		40
Hexachlorobenzene	ND	40	33	83		36	90		40-140	9		40

Matrix Spike Analysis Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKESON WAY
Project Number: 0136-013-007

Lab Number: L1533553
Report Date: 12/29/15

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-06,08-09 QC Batch ID: WG852388-4 WG852388-5 QC Sample: L1533553-02 Client ID: B/MW-2												
Hexachloroethane	ND	40	24	60		29	73		40-140	19		40

<i>Surrogate</i>	<i>MS % Recovery</i>	<i>Qualifier</i>	<i>MSD % Recovery</i>	<i>Qualifier</i>	<i>Acceptance Criteria</i>
2,4,6-Tribromophenol	82		91		10-120
2-Fluorobiphenyl	78		86		15-120
2-Fluorophenol	46		50		21-120
4-Terphenyl-d14	81		88		41-149
Nitrobenzene-d5	72		78		23-120
Phenol-d6	32		35		10-120

PCBS

Project Name: 15 LARIVIERE & 20 WILKESON WAY
Project Number: 0136-013-007

Lab Number: L1533553
Report Date: 12/29/15

SAMPLE RESULTS

Lab ID: L1533553-01
Client ID: B/MW-3
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 12/24/15 10:51
Analyst: JT

Date Collected: 12/16/15 13:26
Date Received: 12/17/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/21/15 18:37
Cleanup Method: EPA 3665A
Cleanup Date: 12/24/15
Cleanup Method: EPA 3660B
Cleanup Date: 12/24/15

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	54		30-150	A
Decachlorobiphenyl	42		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	44		30-150	B

Project Name: 15 LARIVIERE & 20 WILKESON WAY
Project Number: 0136-013-007

Lab Number: L1533553
Report Date: 12/29/15

SAMPLE RESULTS

Lab ID: L1533553-02
Client ID: B/MW-2
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 12/24/15 11:05
Analyst: JT

Date Collected: 12/16/15 11:17
Date Received: 12/17/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/21/15 18:37
Cleanup Method: EPA 3665A
Cleanup Date: 12/24/15
Cleanup Method: EPA 3660B
Cleanup Date: 12/24/15

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	51		30-150	A
Decachlorobiphenyl	40		30-150	A
2,4,5,6-Tetrachloro-m-xylene	52		30-150	B
Decachlorobiphenyl	41		30-150	B

Project Name: 15 LARIVIERE & 20 WILKESON WAY
Project Number: 0136-013-007

Lab Number: L1533553
Report Date: 12/29/15

SAMPLE RESULTS

Lab ID: L1533553-03
Client ID: B/MW-1
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 12/24/15 11:18
Analyst: JT

Date Collected: 12/16/15 12:27
Date Received: 12/17/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/21/15 18:37
Cleanup Method: EPA 3665A
Cleanup Date: 12/24/15
Cleanup Method: EPA 3660B
Cleanup Date: 12/24/15

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	54		30-150	A
Decachlorobiphenyl	47		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	48		30-150	B

Project Name: 15 LARIVIERE & 20 WILKESON WAY
Project Number: 0136-013-007

Lab Number: L1533553
Report Date: 12/29/15

SAMPLE RESULTS

Lab ID: L1533553-04
Client ID: BLIND DUP
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 12/24/15 11:32
Analyst: JT

Date Collected: 12/16/15 12:00
Date Received: 12/17/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/21/15 18:37
Cleanup Method: EPA 3665A
Cleanup Date: 12/24/15
Cleanup Method: EPA 3660B
Cleanup Date: 12/24/15

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	51		30-150	A
Decachlorobiphenyl	46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		30-150	B
Decachlorobiphenyl	49		30-150	B

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS**

Lab ID: L1533553-05
Client ID: B/MW-4
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 12/24/15 11:46
Analyst: JT

Date Collected: 12/16/15 14:10
Date Received: 12/17/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/21/15 18:37
Cleanup Method: EPA 3665A
Cleanup Date: 12/24/15
Cleanup Method: EPA 3660B
Cleanup Date: 12/24/15

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	61		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	58		30-150	B

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS**

Lab ID: L1533553-06
Client ID: BCP-MW-8
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 12/24/15 12:00
Analyst: JT

Date Collected: 12/16/15 15:20
Date Received: 12/17/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/21/15 18:37
Cleanup Method: EPA 3665A
Cleanup Date: 12/24/15
Cleanup Method: EPA 3660B
Cleanup Date: 12/24/15

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	56		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	51		30-150	B

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS**

Lab ID: L1533553-09
Client ID: BCP-MW-7
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 12/24/15 12:14
Analyst: JT

Date Collected: 12/16/15 10:39
Date Received: 12/17/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/21/15 18:37
Cleanup Method: EPA 3665A
Cleanup Date: 12/24/15
Cleanup Method: EPA 3660B
Cleanup Date: 12/24/15

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	58		30-150	A
Decachlorobiphenyl	47		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	43		30-150	B

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 12/23/15 17:16
 Analyst: JT

Extraction Method: EPA 3510C
 Extraction Date: 12/21/15 16:09
 Cleanup Method: EPA 3665A
 Cleanup Date: 12/23/15
 Cleanup Method: EPA 3660B
 Cleanup Date: 12/23/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-06,09 Batch: WG851816-1						
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	46		30-150	A
Decachlorobiphenyl	40		30-150	A
2,4,5,6-Tetrachloro-m-xylene	46		30-150	B
Decachlorobiphenyl	38		30-150	B

Matrix Spike Analysis**Batch Quality Control****Project Name:** 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>	<i>Column</i>
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-06,09 QC Batch ID: WG851816-4 WG851816-5 QC Sample: L1533553-02 Client ID: B/MW-2													
Aroclor 1016	ND	2.6	1.38	53		1.70	65		40-140	21		50	A
Aroclor 1260	ND	2.6	1.10	42		1.15	44		40-140	4		50	A

<i>Surrogate</i>	<i>MS % Recovery</i>	<i>Qualifier</i>	<i>MSD % Recovery</i>	<i>Qualifier</i>	<i>Acceptance Criteria</i>	<i>Column</i>
2,4,5,6-Tetrachloro-m-xylene	47		51		30-150	A
Decachlorobiphenyl	39		35		30-150	A
2,4,5,6-Tetrachloro-m-xylene	42		50		30-150	B
Decachlorobiphenyl	34		34		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKESON WAY

Lab Number: L1533553

Project Number: 0136-013-007

Report Date: 12/29/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-06,09 Batch: WG851816-2 WG851816-3									
Aroclor 1016	78		86		40-140	9		50	A
Aroclor 1260	55		70		40-140	25		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	42		56		30-150	A
Decachlorobiphenyl	36		48		30-150	A
2,4,5,6-Tetrachloro-m-xylene	40		54		30-150	B
Decachlorobiphenyl	37		47		30-150	B

PESTICIDES

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS**

Lab ID: L1533553-01
Client ID: B/MW-3
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 12/24/15 02:41
Analyst: AM

Date Collected: 12/16/15 13:26
Date Received: 12/17/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/22/15 03:36
Cleanup Method: EPA 3620B
Cleanup Date: 12/23/15

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	ND		ug/l	0.020	0.003	1	A
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 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	107		30-150	A
Decachlorobiphenyl	119		30-150	A
2,4,5,6-Tetrachloro-m-xylene	113		30-150	B
Decachlorobiphenyl	107		30-150	B

Project Name: 15 LARIVIERE & 20 WILKESON WAY
Project Number: 0136-013-007

Lab Number: L1533553
Report Date: 12/29/15

SAMPLE RESULTS

Lab ID: L1533553-01
Client ID: B/MW-3
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 12/23/15 15:04
Analyst: EC

Date Collected: 12/16/15 13:26
Date Received: 12/17/15
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 12/21/15 18:53

Methylation Date: 12/22/15 22:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	102		30-150	A
DCAA	92		30-150	B

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS**

Lab ID: L1533553-02
Client ID: B/MW-2
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 12/24/15 02:54
Analyst: AM

Date Collected: 12/16/15 11:17
Date Received: 12/17/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/22/15 03:36
Cleanup Method: EPA 3620B
Cleanup Date: 12/23/15

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	ND		ug/l	0.020	0.003	1	A
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 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	87		30-150	A
Decachlorobiphenyl	109		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	88		30-150	B

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS**

Lab ID: L1533553-02
Client ID: B/MW-2
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 12/23/15 15:26
Analyst: EC

Date Collected: 12/16/15 11:17
Date Received: 12/17/15
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 12/21/15 18:53

Methylation Date: 12/22/15 22:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	95		30-150	A
DCAA	86		30-150	B

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS**

Lab ID: L1533553-03
Client ID: B/MW-1
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 12/24/15 03:07
Analyst: AM

Date Collected: 12/16/15 12:27
Date Received: 12/17/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/22/15 03:36
Cleanup Method: EPA 3620B
Cleanup Date: 12/23/15

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	ND		ug/l	0.020	0.003	1	A
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 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	104		30-150	A
Decachlorobiphenyl	134		30-150	A
2,4,5,6-Tetrachloro-m-xylene	106		30-150	B
Decachlorobiphenyl	111		30-150	B

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS**

Lab ID: L1533553-03
Client ID: B/MW-1
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 12/23/15 16:08
Analyst: EC

Date Collected: 12/16/15 12:27
Date Received: 12/17/15
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 12/21/15 18:53

Methylation Date: 12/22/15 22:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	94		30-150	A
DCAA	86		30-150	B

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS**

Lab ID: L1533553-04
Client ID: BLIND DUP
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 12/24/15 03:20
Analyst: AM

Date Collected: 12/16/15 12:00
Date Received: 12/17/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/22/15 03:36
Cleanup Method: EPA 3620B
Cleanup Date: 12/23/15

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	ND		ug/l	0.020	0.003	1	A
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 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	87		30-150	A
Decachlorobiphenyl	118		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	96		30-150	B

Project Name: 15 LARIVIERE & 20 WILKESON WAY
Project Number: 0136-013-007

Lab Number: L1533553
Report Date: 12/29/15

SAMPLE RESULTS

Lab ID: L1533553-04
Client ID: BLIND DUP
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 12/23/15 16:30
Analyst: EC

Date Collected: 12/16/15 12:00
Date Received: 12/17/15
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 12/21/15 18:53

Methylation Date: 12/22/15 22:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	106		30-150	A
DCAA	89		30-150	B

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS**

Lab ID: L1533553-05
Client ID: B/MW-4
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 12/24/15 03:33
Analyst: AM

Date Collected: 12/16/15 14:10
Date Received: 12/17/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/22/15 03:36
Cleanup Method: EPA 3620B
Cleanup Date: 12/23/15

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	ND		ug/l	0.020	0.003	1	A
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 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	92		30-150	A
Decachlorobiphenyl	120		30-150	A
2,4,5,6-Tetrachloro-m-xylene	98		30-150	B
Decachlorobiphenyl	107		30-150	B

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS**

Lab ID: L1533553-05
Client ID: B/MW-4
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 12/23/15 16:51
Analyst: EC

Date Collected: 12/16/15 14:10
Date Received: 12/17/15
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 12/21/15 18:53

Methylation Date: 12/22/15 22:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	97		30-150	A
DCAA	88		30-150	B

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS**

Lab ID: L1533553-06
Client ID: BCP-MW-8
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 12/24/15 03:46
Analyst: AM

Date Collected: 12/16/15 15:20
Date Received: 12/17/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/22/15 03:36
Cleanup Method: EPA 3620B
Cleanup Date: 12/23/15

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	ND		ug/l	0.020	0.003	1	A
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 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	93		30-150	A
Decachlorobiphenyl	121		30-150	A
2,4,5,6-Tetrachloro-m-xylene	101		30-150	B
Decachlorobiphenyl	105		30-150	B

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS**

Lab ID: L1533553-06
Client ID: BCP-MW-8
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 12/23/15 17:12
Analyst: EC

Date Collected: 12/16/15 15:20
Date Received: 12/17/15
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 12/21/15 18:53

Methylation Date: 12/22/15 22:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	101		30-150	A
DCAA	93		30-150	B

Project Name: 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15**SAMPLE RESULTS**

Lab ID: L1533553-09
Client ID: BCP-MW-7
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 12/24/15 03:59
Analyst: AM

Date Collected: 12/16/15 10:39
Date Received: 12/17/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/22/15 03:36
Cleanup Method: EPA 3620B
Cleanup Date: 12/23/15

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	ND		ug/l	0.020	0.003	1	A
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 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	89		30-150	A
Decachlorobiphenyl	105		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	87		30-150	B

Project Name: 15 LARIVIERE & 20 WILKESON WAY
Project Number: 0136-013-007

Lab Number: L1533553
Report Date: 12/29/15

SAMPLE RESULTS

Lab ID: L1533553-09
Client ID: BCP-MW-7
Sample Location: BUFFALO, NY
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 12/23/15 17:33
Analyst: EC

Date Collected: 12/16/15 10:39
Date Received: 12/17/15
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 12/21/15 18:53

Methylation Date: 12/22/15 22:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	96		30-150	A
DCAA	85		30-150	B

Project Name: 15 LARIVIERE & 20 WILKESON WAY

Lab Number: L1533553

Project Number: 0136-013-007

Report Date: 12/29/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8151A
 Analytical Date: 12/23/15 10:28
 Analyst: EC

Extraction Method: EPA 8151A
 Extraction Date: 12/21/15 18:53

Methylation Date: 12/22/15 22:14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-06,09 Batch: WG851862-1						
2,4-D	ND		ug/l	10.0	0.498	A
2,4,5-T	ND		ug/l	2.00	0.531	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	100		30-150	A
DCAA	85		30-150	B

Project Name: 15 LARIVIERE & 20 WILKESON WAY

Lab Number: L1533553

Project Number: 0136-013-007

Report Date: 12/29/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 12/24/15 01:35
 Analyst: AM

Extraction Method: EPA 3510C
 Extraction Date: 12/22/15 03:36
 Cleanup Method: EPA 3620B
 Cleanup Date: 12/23/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-06,09 Batch: WG851917-1						
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 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

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	47		30-150	B

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-06,09 Batch: WG851862-2 WG851862-3									
2,4-D	75		83		30-150	10		25	A
2,4,5-T	79		84		30-150	6		25	A
2,4,5-TP (Silvex)	77		81		30-150	5		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	100		104		30-150	A
DCAA	91		94		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKESON WAY

Project Number: 0136-013-007

Lab Number: L1533553

Report Date: 12/29/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-06,09 Batch: WG851917-2 WG851917-3									
Delta-BHC	102		100		30-150	2		20	A
Lindane	97		90		30-150	7		20	A
Alpha-BHC	103		99		30-150	4		20	A
Beta-BHC	108		103		30-150	5		20	A
Heptachlor	93		92		30-150	1		20	A
Aldrin	99		100		30-150	1		20	A
Heptachlor epoxide	87		90		30-150	3		20	A
Endrin	95		102		30-150	7		20	A
Endrin ketone	75		80		30-150	7		20	A
Dieldrin	98		102		30-150	4		20	A
4,4'-DDE	94		102		30-150	8		20	A
4,4'-DDD	111		112		30-150	1		20	A
4,4'-DDT	84		85		30-150	2		20	A
Endosulfan I	101		109		30-150	8		20	A
Endosulfan II	90		102		30-150	12		20	A
Endosulfan sulfate	74		82		30-150	10		20	A
Methoxychlor	103		103		30-150	0		20	A
cis-Chlordane	92		96		30-150	4		20	A
trans-Chlordane	98		103		30-150	5		20	A

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15

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

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-06,09 Batch: WG851917-2 WG851917-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		81		30-150	A
Decachlorobiphenyl	104		113		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		83		30-150	B
Decachlorobiphenyl	97		95		30-150	B

Matrix Spike Analysis**Batch Quality Control****Project Name:** 15 LARIVIERE & 20 WILKESON WAY**Project Number:** 0136-013-007**Lab Number:** L1533553**Report Date:** 12/29/15

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>	<i>Column</i>
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-06,09 QC Batch ID: WG851862-4 WG851862-5 QC Sample: L1533553-02 Client ID:													
2,4-D	ND	10	7.23J	72		7.95J	80		30-150	9		25	A
2,4,5-T	ND	10	7.57	76		8.32	83		30-150	9		25	A
2,4,5-TP (Silvex)	ND	10	7.29	73		8.05	80		30-150	10		25	A

<i>Surrogate</i>	<i>MS % Recovery</i>	<i>Qualifier</i>	<i>MSD % Recovery</i>	<i>Qualifier</i>	<i>Acceptance Criteria</i>	<i>Column</i>
DCAA	86		95		30-150	A
DCAA	104		118		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKESON WAY
Project Number: 0136-013-007

Lab Number: L1533553
Report Date: 12/29/15

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): 01-06,09 QC Batch ID: WG851917-4 WG851917-5 QC Sample: L1533553-02 Client ID: B/MW-2													
Delta-BHC	ND	0.5	0.537	107		0.528	106		30-150	2		30	A
Lindane	ND	0.5	0.514	103		0.490	98		30-150	5		30	A
Alpha-BHC	ND	0.5	0.558	112		0.531	106		30-150	5		30	A
Beta-BHC	ND	0.5	0.537	107		0.521	104		30-150	3		30	A
Heptachlor	ND	0.5	0.516	103		0.496	99		30-150	4		30	A
Aldrin	ND	0.5	0.548	110		0.518	104		30-150	6		30	A
Heptachlor epoxide	ND	0.5	0.483	97		0.447	89		30-150	8		30	A
Endrin	ND	0.5	0.524	105		0.498	100		30-150	5		30	A
Endrin ketone	ND	0.5	0.392	78		0.388	78		30-150	1		30	A
Dieldrin	ND	0.5	0.529	106		0.512	102		30-150	3		30	A
4,4'-DDE	ND	0.5	0.512	102		0.492	98		30-150	4		30	A
4,4'-DDD	ND	0.5	0.596	119		0.568	114		30-150	5		30	A
4,4'-DDT	ND	0.5	0.451	90		0.445	89		30-150	1		30	A
Endosulfan I	ND	0.5	0.544	109		0.527	105		30-150	3		30	A
Endosulfan II	ND	0.5	0.485	97		0.474	95		30-150	2		30	A
Endosulfan sulfate	ND	0.5	0.402	80		0.384	77		30-150	5		30	A
Methoxychlor	ND	0.5	0.552	110		0.542	108		30-150	2		30	A
cis-Chlordane	ND	0.5	0.488	98		0.454	91		30-150	7		30	A
trans-Chlordane	ND	0.5	0.520	104		0.516	103		30-150	1		30	A

Matrix Spike Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKESON WAY
Project Number: 0136-013-007

Lab Number: L1533553
Report Date: 12/29/15

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-06,09 QC Batch ID: WG851917-4 WG851917-5 QC Sample: L1533553-02 Client ID: B/MW-2

<i>Surrogate</i>	<i>MS % Recovery</i>	<i>Qualifier</i>	<i>MSD % Recovery</i>	<i>Qualifier</i>	<i>Acceptance Criteria</i>	<i>Column</i>
2,4,5,6-Tetrachloro-m-xylene	96		94		30-150	A
Decachlorobiphenyl	109		122		30-150	A
2,4,5,6-Tetrachloro-m-xylene	108		106		30-150	B
Decachlorobiphenyl	106		125		30-150	B

METALS

Project Name: 15 LARIVIERE & 20 WILKESON WAY

Lab Number: L1533553

Project Number: 0136-013-007

Report Date: 12/29/15

SAMPLE RESULTS

Lab ID: L1533553-01

Date Collected: 12/16/15 13:26

Client ID: B/MW-3

Date Received: 12/17/15

Sample Location: BUFFALO, NY

Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.725		mg/l	0.200	0.034	20	12/24/15 09:33	12/26/15 12:18	EPA 3005A	1,6020A	KL
Antimony, Total	0.0002	J	mg/l	0.0020	0.0001	1	12/24/15 09:33	12/26/15 12:15	EPA 3005A	1,6020A	KL
Arsenic, Total	0.0019		mg/l	0.0005	0.0001	1	12/24/15 09:33	12/26/15 12:15	EPA 3005A	1,6020A	KL
Barium, Total	0.0715		mg/l	0.0005	0.0001	1	12/24/15 09:33	12/26/15 12:15	EPA 3005A	1,6020A	KL
Beryllium, Total	ND		mg/l	0.0005	0.0002	1	12/24/15 09:33	12/26/15 12:15	EPA 3005A	1,6020A	KL
Cadmium, Total	ND		mg/l	0.0002	0.0001	1	12/24/15 09:33	12/26/15 12:15	EPA 3005A	1,6020A	KL
Calcium, Total	172		mg/l	2.00	0.640	20	12/24/15 09:33	12/26/15 12:18	EPA 3005A	1,6020A	KL
Chromium, Total	0.0035		mg/l	0.0030	0.0003	1	12/24/15 09:33	12/26/15 12:15	EPA 3005A	1,6020A	KL
Cobalt, Total	0.0006		mg/l	0.0005	0.0001	1	12/24/15 09:33	12/26/15 12:15	EPA 3005A	1,6020A	KL
Copper, Total	0.0032		mg/l	0.0010	0.0003	1	12/24/15 09:33	12/26/15 12:15	EPA 3005A	1,6020A	KL
Iron, Total	4.18		mg/l	0.050	0.012	1	12/24/15 09:33	12/26/15 12:15	EPA 3005A	1,6020A	KL
Lead, Total	0.0042		mg/l	0.0010	0.0001	1	12/24/15 09:33	12/26/15 12:15	EPA 3005A	1,6020A	KL
Magnesium, Total	36.8		mg/l	0.070	0.022	1	12/24/15 09:33	12/26/15 12:15	EPA 3005A	1,6020A	KL
Manganese, Total	0.2496		mg/l	0.0010	0.0003	1	12/24/15 09:33	12/26/15 12:15	EPA 3005A	1,6020A	KL
Mercury, Total	ND		mg/l	0.00020	0.00006	1	12/23/15 14:23	12/24/15 19:10	EPA 7470A	1,7470A	EA
Nickel, Total	0.0041		mg/l	0.0020	0.0001	1	12/24/15 09:33	12/26/15 12:15	EPA 3005A	1,6020A	KL
Potassium, Total	11.3		mg/l	0.100	0.019	1	12/24/15 09:33	12/26/15 12:15	EPA 3005A	1,6020A	KL
Selenium, Total	ND		mg/l	0.005	0.001	1	12/24/15 09:33	12/26/15 12:15	EPA 3005A	1,6020A	KL
Silver, Total	ND		mg/l	0.0004	0.0001	1	12/24/15 09:33	12/26/15 12:15	EPA 3005A	1,6020A	KL
Sodium, Total	11.8		mg/l	0.150	0.016	1	12/24/15 09:33	12/26/15 12:15	EPA 3005A	1,6020A	KL
Thallium, Total	ND		mg/l	0.0005	0.0001	1	12/24/15 09:33	12/26/15 12:15	EPA 3005A	1,6020A	KL
Vanadium, Total	0.0013	J	mg/l	0.0050	0.0006	1	12/24/15 09:33	12/26/15 12:15	EPA 3005A	1,6020A	KL
Zinc, Total	0.0124		mg/l	0.0100	0.0026	1	12/24/15 09:33	12/26/15 12:15	EPA 3005A	1,6020A	KL



Project Name: 15 LARIVIERE & 20 WILKESON WAY

Lab Number: L1533553

Project Number: 0136-013-007

Report Date: 12/29/15

SAMPLE RESULTS

Lab ID: L1533553-02

Date Collected: 12/16/15 11:17

Client ID: B/MW-2

Date Received: 12/17/15

Sample Location: BUFFALO, NY

Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.323		mg/l	0.010	0.002	1	12/24/15 09:33	12/26/15 10:58	EPA 3005A	1,6020A	KL
Antimony, Total	0.0002	J	mg/l	0.0020	0.0001	1	12/24/15 09:33	12/26/15 10:58	EPA 3005A	1,6020A	KL
Arsenic, Total	0.0047		mg/l	0.0005	0.0001	1	12/24/15 09:33	12/26/15 10:58	EPA 3005A	1,6020A	KL
Barium, Total	0.1347		mg/l	0.0005	0.0001	1	12/24/15 09:33	12/26/15 10:58	EPA 3005A	1,6020A	KL
Beryllium, Total	ND		mg/l	0.0005	0.0002	1	12/24/15 09:33	12/26/15 10:58	EPA 3005A	1,6020A	KL
Cadmium, Total	0.0001	J	mg/l	0.0002	0.0001	1	12/24/15 09:33	12/26/15 10:58	EPA 3005A	1,6020A	KL
Calcium, Total	210		mg/l	2.00	0.640	20	12/24/15 09:33	12/26/15 11:01	EPA 3005A	1,6020A	KL
Chromium, Total	0.0028	J	mg/l	0.0030	0.0003	1	12/24/15 09:33	12/26/15 10:58	EPA 3005A	1,6020A	KL
Cobalt, Total	0.0016		mg/l	0.0002	0.0001	1	12/24/15 09:33	12/26/15 10:58	EPA 3005A	1,6020A	KL
Copper, Total	0.0029		mg/l	0.0010	0.0003	1	12/24/15 09:33	12/26/15 10:58	EPA 3005A	1,6020A	KL
Iron, Total	4.24		mg/l	0.050	0.012	1	12/24/15 09:33	12/26/15 10:58	EPA 3005A	1,6020A	KL
Lead, Total	0.0014		mg/l	0.0010	0.0001	1	12/24/15 09:33	12/26/15 10:58	EPA 3005A	1,6020A	KL
Magnesium, Total	44.4		mg/l	0.070	0.022	1	12/24/15 09:33	12/26/15 10:58	EPA 3005A	1,6020A	KL
Manganese, Total	0.9488		mg/l	0.0200	0.0060	20	12/24/15 09:33	12/26/15 11:01	EPA 3005A	1,6020A	KL
Mercury, Total	ND		mg/l	0.00020	0.00006	1	12/23/15 14:23	12/24/15 19:01	EPA 7470A	1,7470A	EA
Nickel, Total	0.0062		mg/l	0.0020	0.0001	1	12/24/15 09:33	12/26/15 10:58	EPA 3005A	1,6020A	KL
Potassium, Total	10.8		mg/l	0.100	0.019	1	12/24/15 09:33	12/26/15 10:58	EPA 3005A	1,6020A	KL
Selenium, Total	ND		mg/l	0.005	0.001	1	12/24/15 09:33	12/26/15 10:58	EPA 3005A	1,6020A	KL
Silver, Total	ND		mg/l	0.0004	0.0001	1	12/24/15 09:33	12/26/15 10:58	EPA 3005A	1,6020A	KL
Sodium, Total	388		mg/l	3.00	0.322	20	12/24/15 09:33	12/26/15 11:01	EPA 3005A	1,6020A	KL
Thallium, Total	ND		mg/l	0.0005	0.0001	1	12/24/15 09:33	12/26/15 10:58	EPA 3005A	1,6020A	KL
Vanadium, Total	0.0011	J	mg/l	0.0050	0.0006	1	12/24/15 09:33	12/26/15 10:58	EPA 3005A	1,6020A	KL
Zinc, Total	0.0083	J	mg/l	0.0100	0.0026	1	12/24/15 09:33	12/26/15 10:58	EPA 3005A	1,6020A	KL



Project Name: 15 LARIVIERE & 20 WILKESON WAY

Lab Number: L1533553

Project Number: 0136-013-007

Report Date: 12/29/15

SAMPLE RESULTS

Lab ID: L1533553-03

Date Collected: 12/16/15 12:27

Client ID: B/MW-1

Date Received: 12/17/15

Sample Location: BUFFALO, NY

Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.029		mg/l	0.010	0.002	1	12/24/15 09:33	12/26/15 12:21	EPA 3005A	1,6020A	KL
Antimony, Total	0.0011	J	mg/l	0.0020	0.0001	1	12/24/15 09:33	12/26/15 12:21	EPA 3005A	1,6020A	KL
Arsenic, Total	0.0015		mg/l	0.0005	0.0001	1	12/24/15 09:33	12/26/15 12:21	EPA 3005A	1,6020A	KL
Barium, Total	0.0735		mg/l	0.0005	0.0001	1	12/24/15 09:33	12/26/15 12:21	EPA 3005A	1,6020A	KL
Beryllium, Total	ND		mg/l	0.0005	0.0002	1	12/24/15 09:33	12/26/15 12:21	EPA 3005A	1,6020A	KL
Cadmium, Total	0.0001	J	mg/l	0.0002	0.0001	1	12/24/15 09:33	12/26/15 12:21	EPA 3005A	1,6020A	KL
Calcium, Total	194		mg/l	2.00	0.640	20	12/24/15 09:33	12/26/15 12:24	EPA 3005A	1,6020A	KL
Chromium, Total	0.0016	J	mg/l	0.0030	0.0003	1	12/24/15 09:33	12/26/15 12:21	EPA 3005A	1,6020A	KL
Cobalt, Total	0.0001	J	mg/l	0.0005	0.0001	1	12/24/15 09:33	12/26/15 12:21	EPA 3005A	1,6020A	KL
Copper, Total	0.0038		mg/l	0.0010	0.0003	1	12/24/15 09:33	12/26/15 12:21	EPA 3005A	1,6020A	KL
Iron, Total	0.082		mg/l	0.050	0.012	1	12/24/15 09:33	12/26/15 12:21	EPA 3005A	1,6020A	KL
Lead, Total	0.0001	J	mg/l	0.0010	0.0001	1	12/24/15 09:33	12/26/15 12:21	EPA 3005A	1,6020A	KL
Magnesium, Total	43.0		mg/l	0.070	0.022	1	12/24/15 09:33	12/26/15 12:21	EPA 3005A	1,6020A	KL
Manganese, Total	0.0103		mg/l	0.0010	0.0003	1	12/24/15 09:33	12/26/15 12:21	EPA 3005A	1,6020A	KL
Mercury, Total	ND		mg/l	0.00020	0.00006	1	12/23/15 14:23	12/24/15 19:12	EPA 7470A	1,7470A	EA
Nickel, Total	0.0035		mg/l	0.0030	0.0001	1	12/24/15 09:33	12/26/15 12:21	EPA 3005A	1,6020A	KL
Potassium, Total	9.76		mg/l	0.100	0.019	1	12/24/15 09:33	12/26/15 12:21	EPA 3005A	1,6020A	KL
Selenium, Total	ND		mg/l	0.005	0.001	1	12/24/15 09:33	12/26/15 12:21	EPA 3005A	1,6020A	KL
Silver, Total	ND		mg/l	0.0004	0.0001	1	12/24/15 09:33	12/26/15 12:21	EPA 3005A	1,6020A	KL
Sodium, Total	333		mg/l	3.00	0.322	20	12/24/15 09:33	12/26/15 12:24	EPA 3005A	1,6020A	KL
Thallium, Total	ND		mg/l	0.0005	0.0001	1	12/24/15 09:33	12/26/15 12:21	EPA 3005A	1,6020A	KL
Vanadium, Total	ND		mg/l	0.0050	0.0006	1	12/24/15 09:33	12/26/15 12:21	EPA 3005A	1,6020A	KL
Zinc, Total	ND		mg/l	0.0100	0.0026	1	12/24/15 09:33	12/26/15 12:21	EPA 3005A	1,6020A	KL



Project Name: 15 LARIVIERE & 20 WILKESON WAY

Lab Number: L1533553

Project Number: 0136-013-007

Report Date: 12/29/15

SAMPLE RESULTS

Lab ID: L1533553-04

Date Collected: 12/16/15 12:00

Client ID: BLIND DUP

Date Received: 12/17/15

Sample Location: BUFFALO, NY

Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.023		mg/l	0.010	0.002	1	12/24/15 09:33	12/26/15 12:27	EPA 3005A	1,6020A	KL
Antimony, Total	0.0009	J	mg/l	0.0020	0.0001	1	12/24/15 09:33	12/26/15 12:27	EPA 3005A	1,6020A	KL
Arsenic, Total	0.0017		mg/l	0.0005	0.0001	1	12/24/15 09:33	12/26/15 12:27	EPA 3005A	1,6020A	KL
Barium, Total	0.0758		mg/l	0.0005	0.0001	1	12/24/15 09:33	12/26/15 12:27	EPA 3005A	1,6020A	KL
Beryllium, Total	ND		mg/l	0.0005	0.0002	1	12/24/15 09:33	12/26/15 12:27	EPA 3005A	1,6020A	KL
Cadmium, Total	0.0001	J	mg/l	0.0002	0.0001	1	12/24/15 09:33	12/26/15 12:27	EPA 3005A	1,6020A	KL
Calcium, Total	197		mg/l	2.00	0.640	20	12/24/15 09:33	12/26/15 12:30	EPA 3005A	1,6020A	KL
Chromium, Total	0.0021	J	mg/l	0.0030	0.0003	1	12/24/15 09:33	12/26/15 12:27	EPA 3005A	1,6020A	KL
Cobalt, Total	0.0001	J	mg/l	0.0005	0.0001	1	12/24/15 09:33	12/26/15 12:27	EPA 3005A	1,6020A	KL
Copper, Total	0.0026		mg/l	0.0010	0.0003	1	12/24/15 09:33	12/26/15 12:27	EPA 3005A	1,6020A	KL
Iron, Total	0.073		mg/l	0.050	0.012	1	12/24/15 09:33	12/26/15 12:27	EPA 3005A	1,6020A	KL
Lead, Total	ND		mg/l	0.0010	0.0001	1	12/24/15 09:33	12/26/15 12:27	EPA 3005A	1,6020A	KL
Magnesium, Total	41.9		mg/l	0.070	0.022	1	12/24/15 09:33	12/26/15 12:27	EPA 3005A	1,6020A	KL
Manganese, Total	0.0068		mg/l	0.0010	0.0003	1	12/24/15 09:33	12/26/15 12:27	EPA 3005A	1,6020A	KL
Mercury, Total	ND		mg/l	0.00020	0.00006	1	12/23/15 14:23	12/24/15 19:14	EPA 7470A	1,7470A	EA
Nickel, Total	0.0033		mg/l	0.0020	0.0001	1	12/24/15 09:33	12/26/15 12:27	EPA 3005A	1,6020A	KL
Potassium, Total	9.45		mg/l	0.100	0.019	1	12/24/15 09:33	12/26/15 12:27	EPA 3005A	1,6020A	KL
Selenium, Total	ND		mg/l	0.005	0.001	1	12/24/15 09:33	12/26/15 12:27	EPA 3005A	1,6020A	KL
Silver, Total	ND		mg/l	0.0004	0.0001	1	12/24/15 09:33	12/26/15 12:27	EPA 3005A	1,6020A	KL
Sodium, Total	328		mg/l	3.00	0.322	20	12/24/15 09:33	12/26/15 12:30	EPA 3005A	1,6020A	KL
Thallium, Total	ND		mg/l	0.0005	0.0001	1	12/24/15 09:33	12/26/15 12:27	EPA 3005A	1,6020A	KL
Vanadium, Total	ND		mg/l	0.0050	0.0006	1	12/24/15 09:33	12/26/15 12:27	EPA 3005A	1,6020A	KL
Zinc, Total	ND		mg/l	0.0100	0.0026	1	12/24/15 09:33	12/26/15 12:27	EPA 3005A	1,6020A	KL



Project Name: 15 LARIVIERE & 20 WILKESON WAY

Lab Number: L1533553

Project Number: 0136-013-007

Report Date: 12/29/15

SAMPLE RESULTS

Lab ID: L1533553-05

Date Collected: 12/16/15 14:10

Client ID: B/MW-4

Date Received: 12/17/15

Sample Location: BUFFALO, NY

Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.011		mg/l	0.010	0.002	1	12/24/15 09:33	12/26/15 12:33	EPA 3005A	1,6020A	KL
Antimony, Total	0.0005	J	mg/l	0.0020	0.0001	1	12/24/15 09:33	12/26/15 12:33	EPA 3005A	1,6020A	KL
Arsenic, Total	0.0008		mg/l	0.0005	0.0001	1	12/24/15 09:33	12/26/15 12:33	EPA 3005A	1,6020A	KL
Barium, Total	0.0720		mg/l	0.0005	0.0001	1	12/24/15 09:33	12/26/15 12:33	EPA 3005A	1,6020A	KL
Beryllium, Total	ND		mg/l	0.0005	0.0002	1	12/24/15 09:33	12/26/15 12:33	EPA 3005A	1,6020A	KL
Cadmium, Total	ND		mg/l	0.0002	0.0001	1	12/24/15 09:33	12/26/15 12:33	EPA 3005A	1,6020A	KL
Calcium, Total	131		mg/l	2.00	0.640	20	12/24/15 09:33	12/26/15 12:37	EPA 3005A	1,6020A	KL
Chromium, Total	0.0020	J	mg/l	0.0030	0.0003	1	12/24/15 09:33	12/26/15 12:33	EPA 3005A	1,6020A	KL
Cobalt, Total	0.0003	J	mg/l	0.0005	0.0001	1	12/24/15 09:33	12/26/15 12:33	EPA 3005A	1,6020A	KL
Copper, Total	0.0020		mg/l	0.0010	0.0003	1	12/24/15 09:33	12/26/15 12:33	EPA 3005A	1,6020A	KL
Iron, Total	0.140		mg/l	0.050	0.012	1	12/24/15 09:33	12/26/15 12:33	EPA 3005A	1,6020A	KL
Lead, Total	0.0033		mg/l	0.0010	0.0001	1	12/24/15 09:33	12/26/15 12:33	EPA 3005A	1,6020A	KL
Magnesium, Total	25.7		mg/l	0.070	0.022	1	12/24/15 09:33	12/26/15 12:33	EPA 3005A	1,6020A	KL
Manganese, Total	0.0482		mg/l	0.0010	0.0003	1	12/24/15 09:33	12/26/15 12:33	EPA 3005A	1,6020A	KL
Mercury, Total	ND		mg/l	0.00020	0.00006	1	12/23/15 14:23	12/24/15 19:16	EPA 7470A	1,7470A	EA
Nickel, Total	0.0095		mg/l	0.0020	0.0001	1	12/24/15 09:33	12/26/15 12:33	EPA 3005A	1,6020A	KL
Potassium, Total	6.48		mg/l	0.100	0.019	1	12/24/15 09:33	12/26/15 12:33	EPA 3005A	1,6020A	KL
Selenium, Total	ND		mg/l	0.005	0.001	1	12/24/15 09:33	12/26/15 12:33	EPA 3005A	1,6020A	KL
Silver, Total	ND		mg/l	0.0004	0.0001	1	12/24/15 09:33	12/26/15 12:33	EPA 3005A	1,6020A	KL
Sodium, Total	123		mg/l	3.00	0.322	20	12/24/15 09:33	12/26/15 12:37	EPA 3005A	1,6020A	KL
Thallium, Total	ND		mg/l	0.0005	0.0001	1	12/24/15 09:33	12/26/15 12:33	EPA 3005A	1,6020A	KL
Vanadium, Total	ND		mg/l	0.0050	0.0006	1	12/24/15 09:33	12/26/15 12:33	EPA 3005A	1,6020A	KL
Zinc, Total	0.0326		mg/l	0.0100	0.0026	1	12/24/15 09:33	12/26/15 12:33	EPA 3005A	1,6020A	KL



Project Name: 15 LARIVIERE & 20 WILKESON WAY

Lab Number: L1533553

Project Number: 0136-013-007

Report Date: 12/29/15

SAMPLE RESULTS

Lab ID: L1533553-06

Date Collected: 12/16/15 15:20

Client ID: BCP-MW-8

Date Received: 12/17/15

Sample Location: BUFFALO, NY

Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.360		mg/l	0.010	0.002	1	12/24/15 09:33	12/26/15 12:40	EPA 3005A	1,6020A	KL
Antimony, Total	0.0002	J	mg/l	0.0020	0.0001	1	12/24/15 09:33	12/26/15 12:40	EPA 3005A	1,6020A	KL
Arsenic, Total	0.0013		mg/l	0.0005	0.0001	1	12/24/15 09:33	12/26/15 12:40	EPA 3005A	1,6020A	KL
Barium, Total	0.0502		mg/l	0.0005	0.0001	1	12/24/15 09:33	12/26/15 12:40	EPA 3005A	1,6020A	KL
Beryllium, Total	ND		mg/l	0.0005	0.0002	1	12/24/15 09:33	12/26/15 12:40	EPA 3005A	1,6020A	KL
Cadmium, Total	ND		mg/l	0.0002	0.0001	1	12/24/15 09:33	12/26/15 12:40	EPA 3005A	1,6020A	KL
Calcium, Total	79.4		mg/l	2.00	0.640	20	12/24/15 09:33	12/26/15 12:52	EPA 3005A	1,6020A	KL
Chromium, Total	0.00190	J	mg/l	0.0030	0.0003	1	12/24/15 09:33	12/26/15 12:40	EPA 3005A	1,6020A	KL
Cobalt, Total	ND		mg/l	0.0005	0.0001	1	12/24/15 09:33	12/26/15 12:40	EPA 3005A	1,6020A	KL
Copper, Total	0.0005	J	mg/l	0.0010	0.0003	1	12/24/15 09:33	12/26/15 12:40	EPA 3005A	1,6020A	KL
Iron, Total	0.194		mg/l	0.050	0.012	1	12/24/15 09:33	12/26/15 12:40	EPA 3005A	1,6020A	KL
Lead, Total	0.0013		mg/l	0.0010	0.0001	1	12/24/15 09:33	12/26/15 12:40	EPA 3005A	1,6020A	KL
Magnesium, Total	0.675		mg/l	0.070	0.022	1	12/24/15 09:33	12/26/15 12:40	EPA 3005A	1,6020A	KL
Manganese, Total	0.0345		mg/l	0.0010	0.0003	1	12/24/15 09:33	12/26/15 12:40	EPA 3005A	1,6020A	KL
Mercury, Total	ND		mg/l	0.00020	0.00006	1	12/23/15 14:23	12/24/15 19:18	EPA 7470A	1,7470A	EA
Nickel, Total	0.0013	J	mg/l	0.0020	0.0001	1	12/24/15 09:33	12/26/15 12:40	EPA 3005A	1,6020A	KL
Potassium, Total	9.60		mg/l	0.100	0.019	1	12/24/15 09:33	12/26/15 12:40	EPA 3005A	1,6020A	KL
Selenium, Total	ND		mg/l	0.005	0.001	1	12/24/15 09:33	12/26/15 12:40	EPA 3005A	1,6020A	KL
Silver, Total	ND		mg/l	0.0004	0.0001	1	12/24/15 09:33	12/26/15 12:40	EPA 3005A	1,6020A	KL
Sodium, Total	75.7		mg/l	3.00	0.322	20	12/24/15 09:33	12/26/15 12:52	EPA 3005A	1,6020A	KL
Thallium, Total	ND		mg/l	0.0005	0.0001	1	12/24/15 09:33	12/26/15 12:40	EPA 3005A	1,6020A	KL
Vanadium, Total	0.0023	J	mg/l	0.0050	0.0006	1	12/24/15 09:33	12/26/15 12:40	EPA 3005A	1,6020A	KL
Zinc, Total	ND		mg/l	0.0100	0.0026	1	12/24/15 09:33	12/26/15 12:40	EPA 3005A	1,6020A	KL



Project Name: 15 LARIVIERE & 20 WILKESON WAY

Lab Number: L1533553

Project Number: 0136-013-007

Report Date: 12/29/15

SAMPLE RESULTS

Lab ID: L1533553-08

Date Collected: 12/16/15 09:49

Client ID: BCP-MW-6

Date Received: 12/17/15

Sample Location: BUFFALO, NY

Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4.69		mg/l	0.200	0.034	20	12/24/15 09:33	12/26/15 12:58	EPA 3005A	1,6020A	KL
Antimony, Total	0.0003	J	mg/l	0.0020	0.0001	1	12/24/15 09:33	12/26/15 12:55	EPA 3005A	1,6020A	KL
Arsenic, Total	0.0091		mg/l	0.0005	0.0001	1	12/24/15 09:33	12/26/15 12:55	EPA 3005A	1,6020A	KL
Barium, Total	0.7426		mg/l	0.0100	0.0013	20	12/24/15 09:33	12/26/15 12:58	EPA 3005A	1,6020A	KL
Beryllium, Total	0.0002	J	mg/l	0.0005	0.0002	1	12/24/15 09:33	12/26/15 12:55	EPA 3005A	1,6020A	KL
Cadmium, Total	0.0004		mg/l	0.0002	0.0001	1	12/24/15 09:33	12/26/15 12:55	EPA 3005A	1,6020A	KL
Calcium, Total	556		mg/l	2.00	0.640	20	12/24/15 09:33	12/26/15 12:58	EPA 3005A	1,6020A	KL
Chromium, Total	0.0092		mg/l	0.0030	0.0003	1	12/24/15 09:33	12/26/15 12:55	EPA 3005A	1,6020A	KL
Cobalt, Total	0.0067		mg/l	0.0005	0.0001	1	12/24/15 09:33	12/26/15 12:55	EPA 3005A	1,6020A	KL
Copper, Total	0.0171		mg/l	0.0010	0.0003	1	12/24/15 09:33	12/26/15 12:55	EPA 3005A	1,6020A	KL
Iron, Total	29.2		mg/l	0.050	0.012	1	12/24/15 09:33	12/26/15 12:55	EPA 3005A	1,6020A	KL
Lead, Total	0.0175		mg/l	0.0010	0.0001	1	12/24/15 09:33	12/26/15 12:55	EPA 3005A	1,6020A	KL
Magnesium, Total	116		mg/l	1.40	0.446	20	12/24/15 09:33	12/26/15 12:58	EPA 3005A	1,6020A	KL
Manganese, Total	1.349		mg/l	0.0200	0.0060	20	12/24/15 09:33	12/26/15 12:58	EPA 3005A	1,6020A	KL
Mercury, Total	ND		mg/l	0.00020	0.00006	1	12/23/15 14:23	12/24/15 19:20	EPA 7470A	1,7470A	EA
Nickel, Total	0.0149		mg/l	0.0020	0.0001	1	12/24/15 09:33	12/26/15 12:55	EPA 3005A	1,6020A	KL
Potassium, Total	15.6		mg/l	0.100	0.019	1	12/24/15 09:33	12/26/15 12:55	EPA 3005A	1,6020A	KL
Selenium, Total	ND		mg/l	0.005	0.001	1	12/24/15 09:33	12/26/15 12:55	EPA 3005A	1,6020A	KL
Silver, Total	ND		mg/l	0.0004	0.0001	1	12/24/15 09:33	12/26/15 12:55	EPA 3005A	1,6020A	KL
Sodium, Total	1160		mg/l	30.0	3.22	200	12/24/15 09:33	12/26/15 15:45	EPA 3005A	1,6020A	KL
Thallium, Total	ND		mg/l	0.0005	0.0001	1	12/24/15 09:33	12/26/15 12:55	EPA 3005A	1,6020A	KL
Vanadium, Total	0.0127		mg/l	0.0050	0.0006	1	12/24/15 09:33	12/26/15 12:55	EPA 3005A	1,6020A	KL
Zinc, Total	0.0780		mg/l	0.0100	0.0026	1	12/24/15 09:33	12/26/15 12:55	EPA 3005A	1,6020A	KL



Project Name: 15 LARIVIERE & 20 WILKESON WAY

Lab Number: L1533553

Project Number: 0136-013-007

Report Date: 12/29/15

SAMPLE RESULTS

Lab ID: L1533553-09

Date Collected: 12/16/15 10:39

Client ID: BCP-MW-7

Date Received: 12/17/15

Sample Location: BUFFALO, NY

Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.914		mg/l	0.200	0.034	20	12/24/15 09:33	12/26/15 13:04	EPA 3005A	1,6020A	KL
Antimony, Total	0.0001	J	mg/l	0.0020	0.0001	1	12/24/15 09:33	12/26/15 13:01	EPA 3005A	1,6020A	KL
Arsenic, Total	0.0029		mg/l	0.0005	0.0001	1	12/24/15 09:33	12/26/15 13:01	EPA 3005A	1,6020A	KL
Barium, Total	0.6133		mg/l	0.0100	0.0013	20	12/24/15 09:33	12/26/15 13:04	EPA 3005A	1,6020A	KL
Beryllium, Total	ND		mg/l	0.0005	0.0002	1	12/24/15 09:33	12/26/15 13:01	EPA 3005A	1,6020A	KL
Cadmium, Total	ND		mg/l	0.0002	0.0001	1	12/24/15 09:33	12/26/15 13:01	EPA 3005A	1,6020A	KL
Calcium, Total	299		mg/l	2.00	0.640	20	12/24/15 09:33	12/26/15 13:04	EPA 3005A	1,6020A	KL
Chromium, Total	0.0045		mg/l	0.0030	0.0003	1	12/24/15 09:33	12/26/15 13:01	EPA 3005A	1,6020A	KL
Cobalt, Total	0.0015		mg/l	0.0005	0.0001	1	12/24/15 09:33	12/26/15 13:01	EPA 3005A	1,6020A	KL
Copper, Total	0.0050		mg/l	0.0010	0.0003	1	12/24/15 09:33	12/26/15 13:01	EPA 3005A	1,6020A	KL
Iron, Total	14.1		mg/l	0.050	0.012	1	12/24/15 09:33	12/26/15 13:01	EPA 3005A	1,6020A	KL
Lead, Total	0.0077		mg/l	0.0010	0.0001	1	12/24/15 09:33	12/26/15 13:01	EPA 3005A	1,6020A	KL
Magnesium, Total	45.6		mg/l	0.070	0.022	1	12/24/15 09:33	12/26/15 13:01	EPA 3005A	1,6020A	KL
Manganese, Total	0.9416		mg/l	0.0200	0.0060	20	12/24/15 09:33	12/26/15 13:04	EPA 3005A	1,6020A	KL
Mercury, Total	ND		mg/l	0.00020	0.00006	1	12/23/15 14:23	12/24/15 19:22	EPA 7470A	1,7470A	EA
Nickel, Total	0.0039		mg/l	0.0005	0.0001	1	12/24/15 09:33	12/26/15 13:01	EPA 3005A	1,6020A	KL
Potassium, Total	16.0		mg/l	0.100	0.019	1	12/24/15 09:33	12/26/15 13:01	EPA 3005A	1,6020A	KL
Selenium, Total	ND		mg/l	0.005	0.001	1	12/24/15 09:33	12/26/15 13:01	EPA 3005A	1,6020A	KL
Silver, Total	ND		mg/l	0.0004	0.0001	1	12/24/15 09:33	12/26/15 13:01	EPA 3005A	1,6020A	KL
Sodium, Total	843		mg/l	3.00	0.322	20	12/24/15 09:33	12/26/15 13:04	EPA 3005A	1,6020A	KL
Thallium, Total	ND		mg/l	0.0005	0.0001	1	12/24/15 09:33	12/26/15 13:01	EPA 3005A	1,6020A	KL
Vanadium, Total	0.0026	J	mg/l	0.0050	0.0006	1	12/24/15 09:33	12/26/15 13:01	EPA 3005A	1,6020A	KL
Zinc, Total	0.0117		mg/l	0.0100	0.0026	1	12/24/15 09:33	12/26/15 13:01	EPA 3005A	1,6020A	KL



Project Name: 15 LARIVIERE & 20 WILKESON WAY

Lab Number: L1533553

Project Number: 0136-013-007

Report Date: 12/29/15

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): 01-06,08-09 Batch: WG852583-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	12/23/15 14:23	12/24/15 18:57	1,7470A	EA

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-06,08-09 Batch: WG852842-1										
Aluminum, Total	ND		mg/l	0.010	0.002	1	12/24/15 09:33	12/26/15 10:21	1,6020A	KL
Antimony, Total	0.0002	J	mg/l	0.0020	0.0001	1	12/24/15 09:33	12/26/15 10:21	1,6020A	KL
Arsenic, Total	ND		mg/l	0.0005	0.0001	1	12/24/15 09:33	12/26/15 10:21	1,6020A	KL
Barium, Total	ND		mg/l	0.0005	0.0001	1	12/24/15 09:33	12/26/15 10:21	1,6020A	KL
Beryllium, Total	ND		mg/l	0.0005	0.0002	1	12/24/15 09:33	12/26/15 10:21	1,6020A	KL
Cadmium, Total	ND		mg/l	0.0002	0.0001	1	12/24/15 09:33	12/26/15 10:21	1,6020A	KL
Calcium, Total	ND		mg/l	0.100	0.032	1	12/24/15 09:33	12/26/15 10:21	1,6020A	KL
Chromium, Total	0.0029	J	mg/l	0.0030	0.0003	1	12/24/15 09:33	12/26/15 10:21	1,6020A	KL
Cobalt, Total	ND		mg/l	0.0005	0.0001	1	12/24/15 09:33	12/26/15 10:21	1,6020A	KL
Copper, Total	ND		mg/l	0.0010	0.0003	1	12/24/15 09:33	12/26/15 10:21	1,6020A	KL
Iron, Total	ND		mg/l	0.050	0.012	1	12/24/15 09:33	12/26/15 10:21	1,6020A	KL
Lead, Total	ND		mg/l	0.0010	0.0001	1	12/24/15 09:33	12/26/15 10:21	1,6020A	KL
Magnesium, Total	ND		mg/l	0.070	0.022	1	12/24/15 09:33	12/26/15 10:21	1,6020A	KL
Manganese, Total	0.0003	J	mg/l	0.0010	0.0003	1	12/24/15 09:33	12/26/15 10:21	1,6020A	KL
Nickel, Total	0.0014	J	mg/l	0.0020	0.0001	1	12/24/15 09:33	12/26/15 10:21	1,6020A	KL
Potassium, Total	ND		mg/l	0.100	0.019	1	12/24/15 09:33	12/26/15 10:21	1,6020A	KL
Selenium, Total	ND		mg/l	0.005	0.001	1	12/24/15 09:33	12/26/15 10:21	1,6020A	KL
Silver, Total	ND		mg/l	0.0004	0.0001	1	12/24/15 09:33	12/26/15 10:21	1,6020A	KL
Sodium, Total	ND		mg/l	0.150	0.016	1	12/24/15 09:33	12/26/15 10:21	1,6020A	KL
Thallium, Total	ND		mg/l	0.0005	0.0001	1	12/24/15 09:33	12/26/15 10:21	1,6020A	KL
Vanadium, Total	ND		mg/l	0.0050	0.0006	1	12/24/15 09:33	12/26/15 10:21	1,6020A	KL
Zinc, Total	ND		mg/l	0.0100	0.0026	1	12/24/15 09:33	12/26/15 10:21	1,6020A	KL

Project Name: 15 LARIVIERE & 20 WILKESON WAY

Lab Number: L1533553

Project Number: 0136-013-007

Report Date: 12/29/15

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 15 LARIVIERE & 20 WILKESON WAY**Lab Number:** L1533553**Project Number:** 0136-013-007**Report Date:** 12/29/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-06,08-09 Batch: WG852583-2								
Mercury, Total	110		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKESON WAY

Project Number: 0136-013-007

Lab Number: L1533553

Report Date: 12/29/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-06,08-09 Batch: WG852842-2					
Aluminum, Total	100	-	80-120	-	
Antimony, Total	96	-	80-120	-	
Arsenic, Total	105	-	80-120	-	
Barium, Total	97	-	80-120	-	
Beryllium, Total	90	-	80-120	-	
Cadmium, Total	108	-	80-120	-	
Calcium, Total	101	-	80-120	-	
Chromium, Total	94	-	80-120	-	
Cobalt, Total	98	-	80-120	-	
Copper, Total	106	-	80-120	-	
Iron, Total	100	-	80-120	-	
Lead, Total	101	-	80-120	-	
Magnesium, Total	107	-	80-120	-	
Manganese, Total	96	-	80-120	-	
Nickel, Total	103	-	80-120	-	
Potassium, Total	96	-	80-120	-	
Selenium, Total	102	-	80-120	-	
Silver, Total	100	-	80-120	-	
Sodium, Total	106	-	80-120	-	
Thallium, Total	96	-	80-120	-	
Vanadium, Total	97	-	80-120	-	

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 15 LARIVIERE & 20 WILKESON WAY**Project Number:** 0136-013-007**Lab Number:** L1533553**Report Date:** 12/29/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-06,08-09 Batch: WG852842-2					
Zinc, Total	102	-	80-120	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKESON WAY
Project Number: 0136-013-007

Lab Number: L1533553
Report Date: 12/29/15

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): 01-06,08-09 QC Batch ID: WG852583-3 WG852583-4 QC Sample: L1533553-02 Client ID: B/MW-2												
Mercury, Total	ND	0.005	0.00510	102		0.00512	102		75-125	0		20

Matrix Spike Analysis **Batch Quality Control**

Project Name: 15 LARIVIERE & 20 WILKESON WAY
Project Number: 0136-013-007

Lab Number: L1533553
Report Date: 12/29/15

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): 01-06,08-09 QC Batch ID: WG852842-3 WG852842-4 QC Sample: L1533294-02 Client ID: MS Sample									
Aluminum, Total	0.003J	2	1.95	98	2.18	109	75-125	11	20
Antimony, Total	0.0014J	0.5	0.4712	94	0.5477	110	75-125	15	20
Arsenic, Total	ND	0.12	0.1207	100	0.1410	118	75-125	16	20
Barium, Total	0.0227	2	1.899	94	2.188	108	75-125	14	20
Beryllium, Total	ND	0.05	0.0493	99	0.0576	115	75-125	15	20
Cadmium, Total	ND	0.051	0.0527	103	0.0627	123	75-125	17	20
Calcium, Total	15.6	10	22.5	69	Q 26.7	111	75-125	17	20
Chromium, Total	0.0029	0.2	0.1827	91	0.2238	112	75-125	20	20
Cobalt, Total	0.0002J	0.5	0.4698	94	0.5636	113	75-125	18	20
Copper, Total	0.0017	0.25	0.2578	102	0.3079	122	75-125	18	20
Iron, Total	ND	1	0.840	84	1.03	103	75-125	20	20
Lead, Total	ND	0.51	0.5073	99	0.5740	112	75-125	12	20
Magnesium, Total	6.61	10	17.5	109	18.8	122	75-125	7	20
Manganese, Total	0.0044	0.5	0.4833	96	0.5850	116	75-125	19	20
Nickel, Total	0.0024	0.5	0.4770	95	0.5920	118	75-125	22	Q 20
Potassium, Total	1.08	10	11.1	100	11.4	103	75-125	3	20
Selenium, Total	ND	0.12	0.081	68	Q 0.149	124	75-125	59	Q 20
Silver, Total	ND	0.05	0.0476	95	0.0546	109	75-125	14	20
Sodium, Total	7.98	10	18.9	109	19.9	119	75-125	5	20
Thallium, Total	ND	0.12	0.1126	94	0.1289	107	75-125	13	20
Vanadium, Total	ND	0.5	0.4769	95	0.5493	110	75-125	14	20

Matrix Spike Analysis Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKESON WAY
Project Number: 0136-013-007

Lab Number: L1533553
Report Date: 12/29/15

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): 01-06,08-09 QC Batch ID: WG852842-3 WG852842-4 QC Sample: L1533294-02 Client ID: MS Sample									
Zinc, Total	0.0060J	0.5	0.5064	101	0.6016	120	75-125	17	20

Matrix Spike Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKESON WAY
Project Number: 0136-013-007

Lab Number: L1533553
Report Date: 12/29/15

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): 01-06,08-09 QC Batch ID: WG852842-7 WG852842-8 QC Sample: L1533553-02 Client ID: B/MW-2										
Aluminum, Total	0.323	2	2.66	117		2.66	117	75-125	0	20
Antimony, Total	0.0002J	0.5	0.6310	126	Q	0.5858	117	75-125	7	20
Arsenic, Total	0.0047	0.12	0.1627	132	Q	0.1492	120	75-125	9	20
Barium, Total	0.1347	2	2.543	120		2.346	110	75-125	8	20
Beryllium, Total	ND	0.05	0.0612	122		0.0589	118	75-125	4	20
Cadmium, Total	0.0001J	0.051	0.0673	132	Q	0.0599	117	75-125	12	20
Calcium, Total	210.	10	222	120		196	0	Q 75-125	12	20
Chromium, Total	0.0028J	0.2	0.2345	117		0.2136	107	75-125	9	20
Cobalt, Total	0.0016	0.5	0.5886	117		0.5603	112	75-125	5	20
Copper, Total	0.0029	0.25	0.3253	129	Q	0.2874	114	75-125	12	20
Iron, Total	4.24	1	6.16	192	Q	5.95	171	Q 75-125	3	20
Lead, Total	0.0014	0.51	0.6269	123		0.5783	113	75-125	8	20
Magnesium, Total	44.4	10	67.1	227	Q	63.3	189	Q 75-125	6	20
Manganese, Total	0.9488	0.5	1.478	106		1.377	86	75-125	7	20
Nickel, Total	0.0062	0.5	0.6155	122		0.5599	111	75-125	9	20
Potassium, Total	10.8	10	26.5	157	Q	24.0	132	Q 75-125	10	20
Selenium, Total	ND	0.12	0.102	85		0.127	106	75-125	22	Q 20
Silver, Total	ND	0.05	0.0575	115		0.0523	104	75-125	9	20
Sodium, Total	388.	10	407	190	Q	375	0	Q 75-125	8	20
Thallium, Total	ND	0.12	0.1430	119		0.1355	113	75-125	5	20
Vanadium, Total	0.0011J	0.5	0.5741	115		0.5253	105	75-125	9	20

Matrix Spike Analysis

Batch Quality Control

Project Name: 15 LARIVIERE & 20 WILKESON WAY
Project Number: 0136-013-007

Lab Number: L1533553
Report Date: 12/29/15

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): 01-06,08-09 QC Batch ID: WG852842-7 WG852842-8 QC Sample: L1533553-02 Client ID: B/MW-2									
Zinc, Total	0.0083J	0.5	0.6206	124	0.5514	110	75-125	12	20

Project Name: 15 LARIVIERE & 20 WILKESON WAY

Project Number: 0136-013-007

Lab Number: L1533553

Report Date: 12/29/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information Custody Seal

Cooler

A	Absent
D	Absent
B	Absent
C	Absent
E	Absent
F	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1533553-01A	Vial HCl preserved	A	N/A	4.8	Y	Absent	NYTCL-8260(14)
L1533553-01B	Vial HCl preserved	A	N/A	4.8	Y	Absent	NYTCL-8260(14)
L1533553-01C	Vial HCl preserved	A	N/A	4.8	Y	Absent	NYTCL-8260(14)
L1533553-01D	Plastic 250ml HNO3 preserved	A	<2	4.8	Y	Absent	BA-6020T(180),BE-TI(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),AS-TI(180),BA-TI(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),AG-TI(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),AL-TI(180),CR-TI(180),NI-TI(180),PB-6020T(180),TL-TI(180),BE-6020T(180),CU-TI(180),MN-6020T(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),AS-6020T(180),CO-TI(180),SB-6020T(180),V-6020T(180),V-TI(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),FE-TI(180),HG-T(28),MG-6020T(180),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),CO-6020T(180),K-TI(180),NA-TI(180)
L1533553-01E	Amber 500ml unpreserved	A	7	4.8	Y	Absent	NYTCL-8081(7)
L1533553-01F	Amber 500ml unpreserved	A	7	4.8	Y	Absent	NYTCL-8081(7)
L1533553-01G	Amber 1000ml unpreserved	A	7	4.8	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1533553-01H	Amber 1000ml unpreserved	A	7	4.8	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1533553-01I	Amber 1000ml unpreserved	A	7	4.8	Y	Absent	NYTCL-8082-1200ML(7)
L1533553-01J	Amber 1000ml unpreserved	A	7	4.8	Y	Absent	NYTCL-8082-1200ML(7)
L1533553-01K	Amber 1000ml unpreserved	A	7	4.8	Y	Absent	HERB-APA(7)

*Values in parentheses indicate holding time in days



Project Name: 15 LARIVIERE & 20 WILKESON WAY

Project Number: 0136-013-007

Lab Number: L1533553

Report Date: 12/29/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1533553-01L	Amber 1000ml unpreserved	A	7	4.8	Y	Absent	HERB-APA(7)
L1533553-02A	Vial HCl preserved	B	N/A	5.2	Y	Absent	NYTCL-8260(14)
L1533553-02A1	Vial HCl preserved	B	N/A	5.2	Y	Absent	NYTCL-8260(14)
L1533553-02A2	Vial HCl preserved	B	N/A	5.2	Y	Absent	NYTCL-8260(14)
L1533553-02B	Vial HCl preserved	B	N/A	5.2	Y	Absent	NYTCL-8260(14)
L1533553-02B1	Vial HCl preserved	B	N/A	5.2	Y	Absent	NYTCL-8260(14)
L1533553-02B2	Vial HCl preserved	B	N/A	5.2	Y	Absent	NYTCL-8260(14)
L1533553-02C	Vial HCl preserved	B	N/A	5.2	Y	Absent	NYTCL-8260(14)
L1533553-02C1	Vial HCl preserved	B	N/A	5.2	Y	Absent	NYTCL-8260(14)
L1533553-02C2	Vial HCl preserved	B	N/A	5.2	Y	Absent	NYTCL-8260(14)
L1533553-02D	Plastic 250ml HNO3 preserved	F	<2	4.9	Y	Absent	BA-6020T(180),BE-TI(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),AS-TI(180),BA-TI(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),AG-TI(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),AL-TI(180),CR-TI(180),NI-TI(180),PB-6020T(180),TL-TI(180),BE-6020T(180),CU-TI(180),MN-6020T(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),AS-6020T(180),CO-TI(180),SB-6020T(180),V-6020T(180),V-TI(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),FE-TI(180),HG-T(28),MG-6020T(180),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),CO-6020T(180),K-TI(180),NA-TI(180)
L1533553-02D1	Plastic 250ml HNO3 preserved	F	<2	4.9	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)

*Values in parentheses indicate holding time in days



Project Name: 15 LARIVIERE & 20 WILKESON WAY

Project Number: 0136-013-007

Lab Number: L1533553

Report Date: 12/29/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1533553-02D2	Plastic 250ml HNO3 preserved	F	<2	4.9	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)
L1533553-02E	Amber 500ml unpreserved	B	7	5.2	Y	Absent	NYTCL-8081(7)
L1533553-02E1	Amber 500ml unpreserved	B	7	5.2	Y	Absent	NYTCL-8081(7)
L1533553-02E2	Amber 500ml unpreserved	F	7	4.9	Y	Absent	NYTCL-8081(7)
L1533553-02F	Amber 500ml unpreserved	F	7	4.9	Y	Absent	NYTCL-8081(7)
L1533553-02F1	Amber 500ml unpreserved	F	7	4.9	Y	Absent	NYTCL-8081(7)
L1533553-02F2	Amber 500ml unpreserved	F	7	4.9	Y	Absent	NYTCL-8081(7)
L1533553-02G	Amber 1000ml unpreserved	F	7	4.9	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1533553-02G1	Amber 1000ml unpreserved	F	7	4.9	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1533553-02G2	Amber 1000ml unpreserved	B	7	5.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1533553-02H	Amber 1000ml unpreserved	B	7	5.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1533553-02H1	Amber 1000ml unpreserved	B	7	5.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1533553-02H2	Amber 1000ml unpreserved	B	7	5.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1533553-02I	Amber 1000ml unpreserved	B	7	5.2	Y	Absent	NYTCL-8082-1200ML(7)
L1533553-02I1	Amber 1000ml unpreserved	B	7	5.2	Y	Absent	NYTCL-8082-1200ML(7)
L1533553-02I2	Amber 1000ml unpreserved	B	7	5.2	Y	Absent	NYTCL-8082-1200ML(7)
L1533553-02J	Amber 1000ml unpreserved	B	7	5.2	Y	Absent	NYTCL-8082-1200ML(7)
L1533553-02J1	Amber 1000ml unpreserved	F	7	4.9	Y	Absent	NYTCL-8082-1200ML(7)
L1533553-02J2	Amber 1000ml unpreserved	F	7	4.9	Y	Absent	NYTCL-8082-1200ML(7)
L1533553-02K	Amber 1000ml unpreserved	F	7	4.9	Y	Absent	HERB-APA(7)
L1533553-02K1	Amber 1000ml unpreserved	F	7	4.9	Y	Absent	HERB-APA(7)
L1533553-02K2	Amber 1000ml unpreserved	F	7	4.9	Y	Absent	HERB-APA(7)
L1533553-02L	Amber 1000ml unpreserved	F	7	4.9	Y	Absent	HERB-APA(7)
L1533553-02L1	Amber 1000ml unpreserved	F	7	4.9	Y	Absent	HERB-APA(7)
L1533553-02L2	Amber 1000ml unpreserved	F	7	4.9	Y	Absent	HERB-APA(7)
L1533553-03A	Vial HCl preserved	C	N/A	4.1	Y	Absent	NYTCL-8260(14)
L1533553-03B	Vial HCl preserved	C	N/A	4.1	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days



Project Name: 15 LARIVIERE & 20 WILKESON WAY

Project Number: 0136-013-007

Lab Number: L1533553

Report Date: 12/29/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1533553-03C	Vial HCl preserved	C	N/A	4.1	Y	Absent	NYTCL-8260(14)
L1533553-03D	Plastic 250ml HNO3 preserved	F	<2	4.9	Y	Absent	BA-6020T(180),BE-TI(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),AS-TI(180),BA-TI(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),AG-TI(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),AL-TI(180),CR-TI(180),NI-TI(180),PB-6020T(180),TL-TI(180),BE-6020T(180),CU-TI(180),MN-6020T(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),AS-6020T(180),CO-TI(180),SB-6020T(180),V-6020T(180),V-TI(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),FE-TI(180),HG-T(28),MG-6020T(180),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),CO-6020T(180),K-TI(180),NA-TI(180)
L1533553-03E	Amber 500ml unpreserved	C	7	4.1	Y	Absent	NYTCL-8081(7)
L1533553-03F	Amber 500ml unpreserved	F	7	4.9	Y	Absent	NYTCL-8081(7)
L1533553-03G	Amber 1000ml unpreserved	F	7	4.9	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1533553-03H	Amber 1000ml unpreserved	F	7	4.9	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1533553-03I	Amber 1000ml unpreserved	C	7	4.1	Y	Absent	NYTCL-8082-1200ML(7)
L1533553-03J	Amber 1000ml unpreserved	C	7	4.1	Y	Absent	NYTCL-8082-1200ML(7)
L1533553-03K	Amber 1000ml unpreserved	C	7	4.1	Y	Absent	HERB-APA(7)
L1533553-03L	Amber 1000ml unpreserved	C	7	4.1	Y	Absent	HERB-APA(7)
L1533553-04A	Vial HCl preserved	C	N/A	4.1	Y	Absent	NYTCL-8260(14)
L1533553-04B	Vial HCl preserved	C	N/A	4.1	Y	Absent	NYTCL-8260(14)
L1533553-04C	Vial HCl preserved	C	N/A	4.1	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days



Project Name: 15 LARIVIERE & 20 WILKESON WAY

Project Number: 0136-013-007

Lab Number: L1533553

Report Date: 12/29/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1533553-04D	Plastic 250ml HNO3 preserved	C	<2	4.1	Y	Absent	BA-6020T(180),BE-TI(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),AS-TI(180),BA-TI(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),AG-TI(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),AL-TI(180),CR-TI(180),NI-TI(180),PB-6020T(180),TL-TI(180),BE-6020T(180),CU-TI(180),MN-6020T(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),AS-6020T(180),CO-TI(180),SB-6020T(180),V-6020T(180),V-TI(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),FE-TI(180),HG-T(28),MG-6020T(180),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),CO-6020T(180),K-TI(180),NA-TI(180)
L1533553-04E	Amber 500ml unpreserved	D	7	4.4	Y	Absent	NYTCL-8081(7)
L1533553-04F	Amber 500ml unpreserved	D	7	4.4	Y	Absent	NYTCL-8081(7)
L1533553-04G	Amber 1000ml unpreserved	D	7	4.4	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1533553-04H	Amber 1000ml unpreserved	D	7	4.4	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1533553-04I	Amber 1000ml unpreserved	D	7	4.4	Y	Absent	NYTCL-8082-1200ML(7)
L1533553-04J	Amber 1000ml unpreserved	F	7	4.9	Y	Absent	NYTCL-8082-1200ML(7)
L1533553-04K	Amber 1000ml unpreserved	D	7	4.4	Y	Absent	HERB-APA(7)
L1533553-04L	Amber 1000ml unpreserved	F	7	4.9	Y	Absent	HERB-APA(7)
L1533553-05A	Vial HCl preserved	D	N/A	4.4	Y	Absent	NYTCL-8260(14)
L1533553-05B	Vial HCl preserved	D	N/A	4.4	Y	Absent	NYTCL-8260(14)
L1533553-05C	Vial HCl preserved	D	N/A	4.4	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days



Project Name: 15 LARIVIERE & 20 WILKESON WAY

Project Number: 0136-013-007

Lab Number: L1533553

Report Date: 12/29/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1533553-05D	Plastic 250ml HNO3 preserved	F	<2	4.9	Y	Absent	BA-6020T(180),BE-TI(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),AS-TI(180),BA-TI(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),AG-TI(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),AL-TI(180),CR-TI(180),NI-TI(180),PB-6020T(180),TL-TI(180),BE-6020T(180),CU-TI(180),MN-6020T(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),AS-6020T(180),CO-TI(180),SB-6020T(180),V-6020T(180),V-TI(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),FE-TI(180),HG-T(28),MG-6020T(180),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),CO-6020T(180),K-TI(180),NA-TI(180)
L1533553-05E	Amber 500ml unpreserved	A	7	4.8	Y	Absent	NYTCL-8081(7)
L1533553-05F	Amber 500ml unpreserved	A	7	4.8	Y	Absent	NYTCL-8081(7)
L1533553-05G	Amber 1000ml unpreserved	D	7	4.4	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1533553-05H	Amber 1000ml unpreserved	D	7	4.4	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1533553-05I	Amber 1000ml unpreserved	D	7	4.4	Y	Absent	NYTCL-8082-1200ML(7)
L1533553-05J	Amber 1000ml unpreserved	D	7	4.4	Y	Absent	NYTCL-8082-1200ML(7)
L1533553-05K	Amber 1000ml unpreserved	F	7	4.9	Y	Absent	HERB-APA(7)
L1533553-05L	Amber 1000ml unpreserved	A	7	4.8	Y	Absent	HERB-APA(7)
L1533553-06A	Vial HCl preserved	F	N/A	4.9	Y	Absent	NYTCL-8260(14)
L1533553-06B	Vial HCl preserved	F	N/A	4.9	Y	Absent	NYTCL-8260(14)
L1533553-06C	Vial HCl preserved	F	N/A	4.9	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days



Project Name: 15 LARIVIERE & 20 WILKESON WAY
Project Number: 0136-013-007

Lab Number: L1533553
Report Date: 12/29/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1533553-06D	Plastic 250ml HNO3 preserved	D	<2	4.4	Y	Absent	BA-6020T(180),BE-TI(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),AS-TI(180),BA-TI(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),AG-TI(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),AL-TI(180),CR-TI(180),NI-TI(180),PB-6020T(180),TL-TI(180),BE-6020T(180),CU-TI(180),MN-6020T(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),AS-6020T(180),CO-TI(180),SB-6020T(180),V-6020T(180),V-TI(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),FE-TI(180),HG-T(28),MG-6020T(180),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),CO-6020T(180),K-TI(180),NA-TI(180)
L1533553-06E	Amber 500ml unpreserved	C	10	4.1	Y	Absent	NYTCL-8081(7)
L1533553-06F	Amber 500ml unpreserved	C	10	4.1	Y	Absent	NYTCL-8081(7)
L1533553-06G	Amber 1000ml unpreserved	C	10	4.1	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1533553-06H	Amber 1000ml unpreserved	C	10	4.1	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1533553-06I	Amber 1000ml unpreserved	C	10	4.1	Y	Absent	NYTCL-8082-1200ML(7)
L1533553-06J	Amber 1000ml unpreserved	C	10	4.1	Y	Absent	NYTCL-8082-1200ML(7)
L1533553-06K	Amber 1000ml unpreserved	C	10	4.1	Y	Absent	HERB-APA(7)
L1533553-06L	Amber 1000ml unpreserved	C	10	4.1	Y	Absent	HERB-APA(7)
L1533553-07A	Vial HCl preserved	A	N/A	4.8	Y	Absent	NYTCL-8260(14)
L1533553-08A	Vial HCl preserved	E	N/A	5.0	Y	Absent	NYTCL-8260(14)
L1533553-08B	Vial HCl preserved	E	N/A	5.0	Y	Absent	NYTCL-8260(14)
L1533553-08C	Vial HCl preserved	F	N/A	4.9	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days



Project Name: 15 LARIVIERE & 20 WILKESON WAY

Project Number: 0136-013-007

Lab Number: L1533553

Report Date: 12/29/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1533553-08D	Plastic 250ml HNO3 preserved	E	<2	5.0	Y	Absent	BA-6020T(180),BE-TI(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),AS-TI(180),BA-TI(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),AG-TI(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),AL-TI(180),CR-TI(180),NI-TI(180),PB-6020T(180),TL-TI(180),BE-6020T(180),CU-TI(180),MN-6020T(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),AS-6020T(180),CO-TI(180),SB-6020T(180),V-6020T(180),V-TI(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),FE-TI(180),HG-T(28),MG-6020T(180),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),CO-6020T(180),K-TI(180),NA-TI(180)
L1533553-08E	Amber 1000ml unpreserved	E	7	5.0	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1533553-08F	Amber 1000ml unpreserved	E	7	5.0	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1533553-09A	Vial HCl preserved	E	N/A	5.0	Y	Absent	NYTCL-8260(14)
L1533553-09B	Vial HCl preserved	E	N/A	5.0	Y	Absent	NYTCL-8260(14)
L1533553-09C	Vial HCl preserved	E	N/A	5.0	Y	Absent	NYTCL-8260(14)
L1533553-09D	Plastic 250ml HNO3 preserved	E	<2	5.0	Y	Absent	BA-6020T(180),BE-TI(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),AS-TI(180),BA-TI(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),AG-TI(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),AL-TI(180),CR-TI(180),NI-TI(180),PB-6020T(180),TL-TI(180),BE-6020T(180),CU-TI(180),MN-6020T(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),AS-6020T(180),CO-TI(180),SB-6020T(180),V-6020T(180),V-TI(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),FE-TI(180),HG-T(28),MG-6020T(180),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),CO-6020T(180),K-TI(180),NA-TI(180)
L1533553-09E	Amber 500ml unpreserved	E	7	5.0	Y	Absent	NYTCL-8081(7)
L1533553-09F	Amber 500ml unpreserved	E	7	5.0	Y	Absent	NYTCL-8081(7)
L1533553-09G	Amber 1000ml unpreserved	E	7	5.0	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)

*Values in parentheses indicate holding time in days



Project Name: 15 LARIVIERE & 20 WILKESON WAY**Project Number:** 0136-013-007**Lab Number:** L1533553**Report Date:** 12/29/15**Container Information**

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1533553-09H	Amber 1000ml unpreserved	E	7	5.0	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1533553-09I	Amber 1000ml unpreserved	E	7	5.0	Y	Absent	NYTCL-8082-1200ML(7)
L1533553-09J	Amber 1000ml unpreserved	E	7	5.0	Y	Absent	NYTCL-8082-1200ML(7)
L1533553-09K	Amber 1000ml unpreserved	E	7	5.0	Y	Absent	HERB-APA(7)
L1533553-09L	Amber 1000ml unpreserved	E	7	5.0	Y	Absent	HERB-APA(7)

Container Comments

L1533553-01H

L1533553-02H

L1533553-02H1

L1533553-02H2

L1533553-03H

L1533553-04H

L1533553-05H

L1533553-06H

L1533553-08F

L1533553-09H

*Values in parentheses indicate holding time in days

Project Name: 15 LARIVIERE & 20 WILKESON WAY
Project Number: 0136-013-007

Lab Number: L1533553
Report Date: 12/29/15

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.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

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

Terms

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).

Report Format: DU Report with 'J' Qualifiers



Project Name: 15 LARIVIERE & 20 WILKESON WAY
Project Number: 0136-013-007

Lab Number: L1533553
Report Date: 12/29/15

Data Qualifiers

- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: 15 LARIVIERE & 20 WILKESON WAY
Project Number: 0136-013-007

Lab Number: L1533553
Report Date: 12/29/15

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

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

Westborough Facility

EPA 524.2: 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane, m/p-xylene, o-xylene
EPA 624: 2-Butanone (MEK), 1,4-Dioxane, tert-Amylmethyl Ether, tert-Butyl Alcohol, m/p-xylene, o-xylene
EPA 625: Aniline, Benzoic Acid, Benzyl Alcohol, 4-Chloroaniline, 3-Methylphenol, 4-Methylphenol.
EPA 1010A: NPW: Ignitability
EPA 6010C: NPW: Strontium; SCM: Strontium
EPA 8151A: NPW: 2,4-DB, Dicamba, Dichloroprop, MCPA, MCPP; SCM: 2,4-DB, Dichloroprop, MCPA, MCPP
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene, Isopropanol; SCM: Iodomethane (methyl iodide), Methyl methacrylate (soil); 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Pentachloronitrobenzene, 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Pentachloronitrobenzene, 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.
EPA 9010: NPW: Amenable Cyanide Distillation, Total Cyanide Distillation
EPA 9038: NPW: Sulfate
EPA 9050A: NPW: Specific Conductance
EPA 9056: NPW: Chloride, Nitrate, Sulfate
EPA 9065: NPW: Phenols
EPA 9251: NPW: Chloride
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO₂, NO₃.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility

EPA 8270D: NPW: Biphenyl; SCM: 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, Ti; **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, SM4500CI-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, Ti, 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 Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		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		Date Rec'd in Lab 12-18-15		ALPHA Job # L1533553																			
				1 of 1																							
Client Information Client: Turnkey Environmental Address: 2558 Hamburg Turnpike Lakewood NY 14218 Suite 300 Phone: (716) 818-8358 Fax: (716) 856-0583 Email: T30@turnkeyenv.com		Project Information Project Name: 15 La Riviera & 20 Wilkeson Way Project Location: Buffalo NY Project # 0136-013-007 (Use Project name as Project #) ☒		Deliverables ☐ ASP-A ☐ ASP-B ☐ EQUIS (1 File) ☐ EQUIS (4 File) ☐ Other		Billing Information ☐ Same as Client Info PO #																					
		Project Manager: Nate Marley ALPHAQuote #: Turn-Around Time Standard ☐ Due Date: Rush (only if pre approved) ☐ # of Days:		Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other:																					
These samples have been previously analyzed by Alpha ☐ Other project specific requirements/comments: CAT B						ANALYSIS <table border="1" style="width:100%; border-collapse: collapse; text-align: center;"> <tr> <th style="writing-mode: vertical-rl; transform: rotate(180deg);">TAL</th> <th style="writing-mode: vertical-rl; transform: rotate(180deg);">TAL</th> <th style="writing-mode: vertical-rl; transform: rotate(180deg);">TAL METALS</th> <th style="writing-mode: vertical-rl; transform: rotate(180deg);">PCBs / Herb</th> <th style="writing-mode: vertical-rl; transform: rotate(180deg);">PEST</th> <th></th> <th></th> <th></th> <th></th> </tr> <tr> <td>0928</td> <td>0270</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		TAL	TAL	TAL METALS	PCBs / Herb	PEST					0928	0270								Sample Filtration ☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below)	
TAL	TAL	TAL METALS	PCBs / Herb	PEST																							
0928	0270																										
ALPHA Lab ID (Lab Use Only)						Sample ID		Collection Date Time		Sample Matrix		Sampler's Initials		Sample Specific Comments		Total Bottles											
33553-01		B/MW-3		12/16/15 1326		Waters		T+B		3		2		1			4		2		12						
02		B/MW-2 (ms/msd)		12/17/15 1217						9		6		3			12		6		36						
03		B/MW-1		12/17/15 1227						3		2		1			4		2		12						
04		Blind Dcp		12/17/15 1200						3		2		1			4		2		12						
05		B/MW-4		12/17/15 1410						3		2		1			4		2		12						
06		BCP-MW-8		12/17/15 1520						3		2		1			4		2		12						
07		Trip Blank								1											1						
08		BCP-MW-6		12/17/15 949						3		2		1							6						
09		BCP-MW-7		12/17/15 1039						3		2		1			4		2		12						
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type Preservative		V A P A A B A C A A		Relinquished By: [Signature] Date/Time: 12/17/15 1435		Received By: [Signature] Date/Time: 12/18/15 0230		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.)													

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

May 16, 2016

Caroline Bukowski
Turnkey Environmental Restoration
2558 Hamburg Turnpike Suite 300
Buffalo, NY 14218

RE: Data Usability Summary Report for the 15 LaRiviere Drive and 20 Wilkeson Way Sites
Alpha Analytical SDG Nos. 1518182, L1530137, L1530234, L1533270, and L1533553

Dear Ms. Bukowski:

Review has been completed for the data generated by Alpha Analytical that pertain to samples collected between 07/30/15 and 12/17/15 at the 15 LaRiviere Drive and 20 Wilkeson Way sites. Two soil samples, seven aqueous samples, and field duplicates of each matrix were processed for TCL and CP51 volatiles, TCL semivolatiles, TCL pesticides, TCL PCBs, TCL herbicides, and TAL metals. Twenty two soil samples and a field duplicate were processed for TCL semivolatiles, TCL pesticides, TCL PCBs, TCL herbicides, and TAL metals. Four aqueous samples were processed for TCL + CP-51 volatiles, TCL semivolatiles, and TAL metals. Five soil samples were processed for TCL semivolatiles and TAL metals. One soil sample was processed for TCL semivolatiles, TCL PCBs, and TAL metals, and nine soil samples were processed for TCL and CP-51 volatiles. The analytical protocols utilized are those of the USEPA SW846.

The data packages submitted contain full deliverables for validation, and this usability report is generated from review of the summary form information, with full review of sample raw data, and limited review of associated QC raw data. The reported summary forms have been reviewed for application of validation qualifiers, using guidance from the USEPA Region 2 validation SOPs, the USEPA National Functional Guidelines for Data Review, the specific laboratory methodologies, and professional judgment, as affects the usability of the data. The following items were reviewed:

- * Laboratory Narrative Discussion
- * Custody Documentation
- * Holding Times
- * Surrogate and Internal Standard Recoveries
- * Matrix Spike Recoveries/Duplicate Correlations
- * Blind Field Duplicate
- * Preparation and Calibration/Blanks
- * Control Spike/Laboratory Control Samples
- * Instrumental Tunes
- * Calibration/Low Level Standards
- * ICP Serial Dilution
- * Instrument IDLs
- * 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 sample results are usable either as reported, with edit, or with qualification. However, the following items of concern are noted:

- results for one volatile analyte (1,4-dioxane) in all samples are rejected and not usable.
- the selenium result for one sample is rejected due to an apparent matrix effect

Data completeness, representativeness, accuracy, precision, sensitivity, and the analytical method comparability are acceptable. However, it is noted that the laboratory does not utilize acceptance ranges for accuracy and precision as described in the analytical protocols.

Included with this report are listings of sample identifications covered in this report and client results tables hand-annotated to reflect qualifications recommended within this report.

The following text discusses quality issues of concern.

Chains-of-Custody

The final relinquish entry on the custody for samples reported in L1518182 does not include the year.

Blind Field Duplicate Evaluations

The field duplicate evaluations for BCP-MW-4(12-16), SS-6, and B/MW-1 show acceptable correlations, with the exception of that for the following, the results for which are qualified as estimated in the indicate parent sample and its duplicate:

- calcium and copper in BCP-MW-4(12-16)
- calcium and magnesium in SS-6
- copper and manganese in B/MW-1

TCL and CP51 Volatile Analyses by EPA 8260C

The result for o-xylene in SB-21(18-20) has been qualified as tentative in identification and estimated in value due to poor mass spectral quality.

The result for n-butylbenzene in SB-21(18-20) has been edited to non-detection due to very poor mass spectral quality.

The matrix spikes of BCP-MW-5(6-8) shows numerous outlying recoveries, and the results for nineteen of the analytes have been therefore qualified as estimated in value, with a likely low bias. Although all of the duplicate correlations were flagged as outlying, the RPD values were incorrectly derived from absolute concentrations, which is not applicable as they were spiked at different levels. Evaluation of the recovery values show acceptable correlations.

Matrix spikes of B/MW-2 show acceptable recoveries and correlations.

The results for 1,4-dioxane are rejected in the samples due to outlying low responses (low RRF<0.01), inherent in the methodology. Other calibration standards show acceptable responses, with the exception of those for chloromethane and bromomethane (28%D and 41%D) in the calibration associated with the samples reported in SDG L1533270, results for which are qualified as estimated in those samples.

Holding times were met, and blanks show no contamination. Internal standard recoveries are within the required range. Surrogate standard recoveries are within the range utilized by the laboratory.

TCL Semivolatiles by EPA 8270C

Internal standard recoveries are within the required range. Surrogate standard recoveries are within the range utilized by the laboratory. Blanks show no contamination. Holding times were met.

The result for benzo(a)anthracene in SS-4 has been qualified as tentative in identification and estimated in value due to poor mass spectral quality.

Due to low recoveries in the associated LCSs, the following results are qualified as estimated in the indicated samples:

- hexachlorocyclopentadiene and 2,4-dimethylphenol (18% to 27%) in the samples reported in L1533270
- hexachlorocyclopentadiene (30% and 37%) in the samples reported in L1533553

Matrix spikes of BCP-MW-5(6-8), B/MW-2, and SS-7 show recoveries and correlations within the ranges utilized by the laboratory, with the exception of those for hexachlorocyclopentadiene. The results for that compound are to be qualified as estimated, with a low bias, in those three parent samples.

Results for the analytes initially flagged by the laboratory with the “E” flag have been derived from the dilution analyses of those samples.

Calibration standards show acceptable responses, with the exception of the following results for which are qualified as estimated in the indicated associated samples:

- hexachlorocyclopentadiene (44%D and 48%D) in samples SB-21 (18-20'), SB-22 (3-9'), SB-23 (4-8'), SB-24 (3.5-8'), SB-25 (2-5'), BCP-MW-1 (4-6), BCP-MW-2 (5.5-7.5), BCP-MW-3 (2-6), BCP-MW-4 (12-16), BLIND DUP #1, BCP-MW-6 (2-4), and BCP-MW-7 (4-6)
- chrysene (24%D) in all samples reported in SDG L1533553

Aroclor PCBs, TCL Pesticides, and TC Herbicides by EPA methods 8081B, 8082A, and 8150B

Many of the reported pesticide detections exhibit elevated dual column quantitative correlations (>25%D), indicating matrix interferences that may result in false positives or elevated quantitative values. Those results have been qualified estimated in value, as tentative in identification and estimated in value (NJ), or edited to non-detection, depending on the degree of variance and subsequent lack of confidence in those identifications.

Detections of PCBs in samples reporting multiple Aroclor mixture detections have been qualified as estimated, with a possible high bias, due to contribution from common congeners.

Due to presence in the associated method blank, the detections of heptachlor, a-chlordane, g-chlordane, and chlordane in the samples reported in SDG L1518182 have been edited to reflect non-detection. These sample detections should have been flagged as "B" by the laboratory.

The pesticide and Aroclor 1016/1260 matrix spikes of SS-7, BCP-MW-5(6-8), and B/MW-2 show recoveries and correlations within the acceptance ranges/limits utilized by the laboratory, with the exception of the recoveries of Aroclor 1260 (21% to 33%) in the former two. The results for that mixture have been qualified as estimated in parent samples SS-7 and BCP-MSW-(6-8).

The matrix spikes of herbicides in B/MW-2 show recoveries and correlations within the acceptance ranges/limits utilized by the laboratory. Herbicide matrix spikes were not evaluated for the soil matrix.

Surrogate standard recoveries are within the range utilized by the laboratory.

Holding times were met, and blanks show no contamination.

TAL Metals, Total Arsenic, and Total Mercury by EPA 6010C and 7471

The result for selenium in rejected in TP15(5-11) due to lack of recovery in the matrix spike of the sample. Other outlying recoveries and correlations are noted below, and results for those elements have been qualified as estimated in the indicated parent sample:

<u>Parent Sample</u>	<u>Element</u>	<u>Outlying % Recoveries</u>	<u>Outlying %RPD</u>
TP-15 (5-11')	arsenic	370	
	potassium	73	
	thallium	60	
	barium		37
	copper		37
TP-12(6-7)	mercury	0	
SS-7	antimony	73,72	
	magnesium		55
	calcium		62
BCP-MW-5 (6-8)	mercury	187,139	33
B/MW-2	potassium	157,132	

The matrix spikes/duplicates of mercury in BCP-MW-1(4-6) and BCP-MW-1 show acceptable accuracy and precision.

Detections of antimony in the samples reported in SDGs L1518182 and L1530137 are qualified as estimated, with a high bias, due to elevated recoveries (129% to 153%) in the associated low level standards.

The ICP serial dilution evaluations show the following outliers, results for which are qualified as estimated in the indicated parent samples:

<u>Parent Sample</u>	<u>Element</u>	<u>%Difference</u>
TP-15 (5-11')	aluminum	33
	barium	35
	iron	33
	manganese	37
SS-7	magnesium	17
B/MW-2	calcium	28
	sodium	18

The ICP serial dilution evaluation of BCP-MW-4(6-8) shows acceptable correlations.

Instrument performance was compliant. Blanks show no contamination affecting sample reported results.

Please do not hesitate to contact me if you have comments or questions regarding this report.

Very truly yours,



Judy Harry

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: 15 LARIVIERE + 20 WILKESON
Project Number: 0136-013-002

Lab Number: L1518182
Report Date: 02/29/16

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1518182-01	TP-12 (6-7')	SOIL	15 LARIVIERE DR.+20 WILKESON WAY	07/30/15 11:30	08/03/15
L1518182-02	TP-12 (6-7')	SOIL	15 LARIVIERE DR.+20 WILKESON WAY	08/03/15 08:00	08/03/15
L1518182-03	TP-13 (1.5-5')	SOIL	15 LARIVIERE DR.+20 WILKESON WAY	07/30/15 10:30	08/03/15
L1518182-04	TP-13 (1.5-5')	SOIL	15 LARIVIERE DR.+20 WILKESON WAY	08/03/15 08:30	08/03/15
L1518182-05	TP-14 (4-7')	SOIL	15 LARIVIERE DR.+20 WILKESON WAY	07/30/15 13:00	08/03/15
L1518182-06	TP-14 (4-7')	SOIL	15 LARIVIERE DR.+20 WILKESON WAY	08/03/15 09:00	08/03/15
L1518182-07	TP-15 (.5-5')	SOIL	15 LARIVIERE DR.+20 WILKESON WAY	07/30/15 13:50	08/03/15
L1518182-08	TP-15 (.5-5')	SOIL	15 LARIVIERE DR.+20 WILKESON WAY	08/03/15 09:15	08/03/15
L1518182-09	TP-15 (5-11')	SOIL	15 LARIVIERE DR.+20 WILKESON WAY	07/30/15 14:00	08/03/15
L1518182-10	TP-15 (5-11')	SOIL	15 LARIVIERE DR.+20 WILKESON WAY	08/03/15 09:30	08/03/15
~~L1518182-11~~	~~TP-16 (.5-5')~~	~~SOIL~~	~~15 LARIVIERE DR.+20 WILKESON WAY~~	~~07/30/15 15:00~~	~~08/03/15~~
~~L1518182-12~~	~~TP-16 (.5-5')~~	~~SOIL~~	~~15 LARIVIERE DR.+20 WILKESON WAY~~	~~08/03/15 09:45~~	~~08/03/15~~
~~L1518182-13~~	~~TP-17 (2.5-3.5')~~	~~SOIL~~	~~15 LARIVIERE DR.+20 WILKESON WAY~~	~~07/30/15 16:00~~	~~08/03/15~~
L1518182-14	SB-17 (1-6')	SOIL	15 LARIVIERE DR.+20 WILKESON WAY	07/31/15 15:30	08/03/15
L1518182-15	SB-18 (1-8.5')	SOIL	15 LARIVIERE DR.+20 WILKESON WAY	07/31/15 16:00	08/03/15
L1518182-16	SB-18 (1-8.5')	SOIL	15 LARIVIERE DR.+20 WILKESON WAY	08/03/15 10:00	08/03/15
L1518182-17	SB-19 (1-4')	SOIL	15 LARIVIERE DR.+20 WILKESON WAY	07/31/15 09:30	08/03/15
L1518182-18	SB-26 (4-8')	SOIL	15 LARIVIERE DR.+20 WILKESON WAY	07/31/15 12:00	08/03/15
L1518182-19	SB-20 (1-6')	SOIL	15 LARIVIERE DR.+20 WILKESON WAY	07/31/15 10:00	08/03/15
L1518182-20	SB-21 (2-4')	SOIL	15 LARIVIERE DR.+20 WILKESON WAY	07/31/15 10:40	08/03/15
L1518182-21	SB-21 (2-4')	SOIL	15 LARIVIERE DR.+20 WILKESON WAY	08/03/15 10:15	08/03/15
L1518182-22	SB-21 (18-20')	SOIL	15 LARIVIERE DR.+20 WILKESON WAY	07/31/15 11:05	08/03/15
L1518182-23	SB-21 (18-20')	SOIL	15 LARIVIERE DR.+20 WILKESON WAY	08/03/15 10:30	08/03/15
L1518182-24	SB-22 (3-9')	SOIL	15 LARIVIERE DR.+20 WILKESON WAY	07/31/15 14:00	08/03/15

Project Name: 15 LA RIVIERE DR AND WILKESON
Project Number: 0136-013-007

Lab Number: L1530137
Report Date: 11/25/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1530137-01	BCP-MW-1 (4-6)	SOIL	BUFFALO, NY	11/16/15 11:56	11/17/15
L1530137-02	BCP-MW-2 (5.5-7.5)	SOIL	BUFFALO, NY	11/16/15 10:37	11/17/15
L1530137-03	BCP-MW-3 (2-6)	SOIL	BUFFALO, NY	11/16/15 09:34	11/17/15
L1530137-04	BCP-MW-4 (12-16)	SOIL	BUFFALO, NY	11/16/15 15:39	11/17/15
L1530137-05	BLIND DUP #1	SOIL	BUFFALO, NY	11/16/15 12:00	11/17/15
L1530137-06	BCP-MW-6 (2-4)	SOIL	BUFFALO, NY	11/16/15 13:13	11/17/15
L1530137-07	BCP-MW-7 (4-6)	SOIL	BUFFALO, NY	11/16/15 14:09	11/17/15
~~L1530137-08~~	~~BCP-MW-8 (8-12)~~	~~SOIL~~	~~BUFFALO, NY~~	~~11/16/15 15:10~~	~~11/17/15~~
L1530137-09	SS-3 (0-0.5)	SOIL	BUFFALO, NY	11/17/15 09:51	11/17/15
L1530137-10	SS-2 (0-0.5)	SOIL	BUFFALO, NY	11/17/15 09:58	11/17/15

Project Name: 15 LARIVIERE & 20 WILKINSON
Project Number: 0136-013-007

Lab Number: L1530234
Report Date: 11/30/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1530234-01	BCP-MW-5(6-8)	SOIL	BUFFALO, NY	11/17/15 13:07	11/18/15
L1530234-02	SS-1	SOIL	BUFFALO, NY	11/17/15 08:45	11/18/15
L1530234-03	SS-4	SOIL	BUFFALO, NY	11/17/15 15:45	11/18/15
L1530234-04	SS-5	SOIL	BUFFALO, NY	11/17/15 15:48	11/18/15
L1530234-05	SS-6	SOIL	BUFFALO, NY	11/17/15 15:34	11/18/15
L1530234-06	BLIND DUP #2	SOIL	BUFFALO, NY	11/17/15 12:00	11/18/15
L1530234-07	SS-7	SOIL	BUFFALO, NY	11/17/15 15:25	11/18/15
~~L1530234-08~~	~~SS-8~~	~~SOIL~~	~~BUFFALO, NY~~	~~11/17/15 15:35~~	~~11/18/15~~
~~L1530234-09~~	~~SS-9~~	~~SOIL~~	~~BUFFALO, NY~~	~~11/17/15 15:52~~	~~11/18/15~~

Project Name: 15 LARIVIERE & 20 WILKESON WAY
Project Number: 0136-013-007

Lab Number: L1533270
Report Date: 12/28/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1533270-01	BCP-MW-1	WATER	BUFFALO, NY	12/15/15 14:21	12/16/15
L1533270-02	BCP-MW-2	WATER	BUFFALO, NY	12/15/15 13:14	12/16/15
L1533270-03	BCP-MW-3	WATER	BUFFALO, NY	12/15/15 12:12	12/16/15
L1533270-04	BCP-MW-4	WATER	BUFFALO, NY	12/15/15 15:10	12/16/15
L1533270-05	BCP-MW-5	WATER	BUFFALO, NY	12/15/15 16:04	12/16/15
L1533270-06	TRIP BLANK	WATER	BUFFALO, NY	12/15/15 00:00	12/16/15

Project Name: 15 LARIVIERE & 20 WILKESON WAY
Project Number: 0136-013-007

Lab Number: L1533553
Report Date: 12/29/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1533553-01	B/MW-3	WATER	BUFFALO, NY	12/16/15 13:26	12/17/15
L1533553-02	B/MW-2	WATER	BUFFALO, NY	12/16/15 11:17	12/17/15
L1533553-03	B/MW-1	WATER	BUFFALO, NY	12/16/15 12:27	12/17/15
L1533553-04	BLIND DUP	WATER	BUFFALO, NY	12/16/15 12:00	12/17/15
L1533553-05	B/MW-4	WATER	BUFFALO, NY	12/16/15 14:10	12/17/15
~~L1533553-06~~	~~BCP-MW-8~~	~~WATER~~	~~BUFFALO, NY~~	~~12/16/15 15:20~~	~~12/17/15~~
L1533553-07	TRIP BLANK	WATER	BUFFALO, NY	12/16/15 00:00	12/17/15
L1533553-08	BCP-MW-6	WATER	BUFFALO, NY	12/16/15 09:49	12/17/15
L1533553-09	BCP-MW-7	WATER	BUFFALO, NY	12/16/15 10:39	12/17/15

APPENDIX E

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