



June 4, 2013

Mr. Chad Staniszewski, P.E.
New York State Department of Environmental Conservation
Division of Environmental Remediation
270 Michigan Avenue
Buffalo, New York 14203

Re: 285-295 Niagara Street Site (C915259)
Buffalo, New York
RI/IRM/AA Report

Dear Mr. Staniszewski:

Please find attached the revised Remedial Investigation/Interim Remedial Measures/Alternative Analysis Report (RI/IRM/AAR) for the above-referenced Site. The RI/IRM/AAR was revised in accordance with the Department's comments. A complete electronic copy is included in Appendix F of the report for your review.

Please do not hesitate to contact me at (716) 856-0635 with any questions.

Sincerely,

TurnKey Environmental Restoration, LLC

A handwritten signature in blue ink, appearing to read "M Lesakowski".

Michael Lesakowski
Project Manager

c: F. LoFaso
M Forcucci (NYSDOH)

File: 0236-001-102

Remedial Investigation / Interim Remedial Measures / Alternatives Analysis Report (RI/IRM/AAR)

285-295 Niagara Street Site
Buffalo, New York

Revised May 2013

0236-001-102

Prepared For:

285 Niagara Operating Co., LLC



Prepared By:



REMEDIAL INVESTIGATION / INTERIM REMEDIAL MEASURES / ALTERNATIVES ANALYSIS REPORT

285-295 NIAGARA STREET SITE
BUFFALO, NEW YORK
BCP SITE No. C915259

Revised May 2013

0236-001-102

Prepared for:

285 Niagara Operating Co., LLC

Prepared By:



In Association With:



RI/IRM/AA REPORT
285-295 Niagara Street Site

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Certification

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

Thomas Forbes

6-3-13

Date



1.0 INTRODUCTION

This Remedial Investigation/Interim Remedial Measures/Alternatives Analysis Report (RI/IRM/AAR) has been prepared on behalf of 285 Niagara Operating Co., LLC (285 Niagara Operating Co.), for the 285-295 Niagara Street Site, in the City of Buffalo, Erie County, New York (Site; see Figures 1 and 2).

285 Niagara Operating Co. elected to pursue cleanup and redevelopment of the Site under the New York State Brownfield Cleanup Program (BCP), and the amended Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC) was executed on March 6, 2012 (BCP Site No. C915259). The RI/IRM Work Plan was approved by the NYSDEC, with concurrence of the New York State Department of Health (NYSDOH), on May 30, 2012. TurnKey Environmental Restoration, LLC (TurnKey) in association with Benchmark Environmental Engineering and Science, PLLC (Benchmark) performed RI activities at the Site during April 2012, and IRM activities were completed at the Site in December 2012 through January 2013.

1.1 Purpose and Scope

This RI/IRM/AAR has been prepared on behalf of 285 Niagara Operating Co. to describe and present the findings of the RI and IRM activities, and evaluate remedial alternatives for the Site.

This report contains the following sections:

- Section 2.0 presents the approach for the RI
- Section 3.0 describes the physical characteristics of the Site as they pertain to the investigation findings
- Section 4.0 presents the investigation results by media
- Section 5.0 summarizes the IRM activities
- Section 6.0 describes the fate and transport of the constituents of primary concern (COPCs).
- Section 7.0 presents the qualitative risk assessment.
- Section 8.0 evaluates remedial alternatives for the Site.

- Section 9.0 presents the RI/IRM/AA summary and conclusions
- Section 10.0 provides a list of references for this report.

1.2 Background

1.2.1 Property and Site Description

The BCP property is addressed from 285-295 Niagara Street, in the City of Buffalo, New York (Erie County S.B.L. Nos. 110.44-1-15.1/-17.1, respectively) totaling an approximate 0.68 acre parcel. The Site is bound by Fell Alley to the north, Niagara Street to the south, an apartment building to the east, and commercial property to the west. The northern portion of the Site (295 Niagara St. parcel) was historically used as a carriage and bicycle manufacturing operation; and the southern portion of the Site (285 Niagara St. parcel) was an automobile filling station and car wash operation, including multiple underground storage tanks (USTs) and fuel dispensers. The Site is currently improved with a single building located on the northern portion of the Site, and planned for mixed-use residential and commercial redevelopment. Former buildings previously located in the center and southern portions of the Site were demolished as part of the Site redevelopment (see Figure 2).

1.2.2 Previous Investigations

A summary of the investigations that have occurred at the Site are presented below.

October 2009 – Remedial Excavation Report

Nature's Way Environmental Consultants and Contractors, Inc. (NWECC&C) conducted preliminary excavation activities on a portion of the 285 Niagara Street parcel.

The findings of the report are summarized below.

- Removal activities included the excavation of former underground storage tanks and filling dispensers, and excavation of approximately 4360 tons of contaminated soil/fill on the 285 Niagara Street parcel.
- Post-excavation soil samples show elevated VOCs exceeding NYSDEC CP-51 soil cleanup objectives (SCOs) remained on-Site at that time. NYSDEC Spill No.

0904123 was opened. The NYSDEC Spills file (0904123) was administratively closed upon acceptance in the BCP. All remedial measures related to the Spill were completed under the BCP with NYSDEC approval.

- Approximately 20,000 gallons of contaminated groundwater was extracted and discharged to the municipal sewer with permission from Buffalo Sewer Authority (BSA) during the remedial excavation.

December 2009 –Off-Site Subsurface Investigation (295 Niagara Street)

Nature's Way Environmental Consultants and Contractors, Inc. (NWECC&C) conducted a limited subsurface investigation on a portion of the 295 Niagara Street parcel (identified as 305 within the letter-report), and the findings are summarized below.

- Elevated photoionization detector (PID) readings for volatile organic compounds (VOCs) were detected in multiple locations across the site, with readings as high as 1,460 ppm being detected. Elevated PID readings were noted in seven (7) out of nine (9) boring locations.

1.3 Constituents of Potential Concern (COPCs)

Based on the findings related to historic use of the Site, the constituents of potential concern (COPCs) are presented below:

- ***Soil:*** Petroleum VOCs.
- ***Groundwater and Sub-slab Vapor:*** Petroleum VOCs

2.0 INVESTIGATION APPROACH

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

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

The investigation activities are described below. Figure 3 presents the RI sample locations; as well as identifying historic sample locations.

2.1 Soil/Fill Investigation

A soil/fill investigation was completed across the site to supplement previous environmental data and to further delineate contamination on-Site. The Soil/Fill Investigation included the advancement of soil borings across the Site. No surface samples were collected as the Site is primarily covered by buildings and asphalt parking areas.

2.1.1 Subsurface Soil/Fill

The subsurface soil/fill investigation included the advancement of soil borings and test pits to investigate and characterize the Site. A total of nineteen (19) soil borings identified as SB-1 through SB-19 (see Figure 3). . were advanced using direct-push drilling techniques to a target depth of 16 feet below ground surface (fbgs) or refusal for exterior boring locations and building interior borings were advanced by hand auger to a target depth of 2 feet below the slab. Three test pit locations, identified as TP-A, TP-A(R) and TP-B

where advanced within the previously completed NYSDEC Spill excavation area to investigate and characterize the placed backfill material using an excavator.

Subsurface soil/fill samples were field-screened for the presence of VOCs using a field photoionization detector (PID), and samples were collected from 18 of the borings locations. 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 ELAP-certified analytical laboratory.

2.1.2 Soil/Fill Sample Analyses

Nineteen (19) subsurface soil/fill samples were analyzed for Target Compound List (TCL) SVOCs including tentatively identified compounds (TICs), and ten (10) sample locations, (SB-3, SB-4, SB-5, SB-6, SB-11(7-9'), SB-11(14-15'), SB-15, SB-17, SB-18, and TP-A) were analyzed for TCL plus STARS List VOCs including TICs. Site characterization samples for pesticides, herbicides, polychlorinated biphenyls (PCBs), and Target Analyte List (TAL) metals were collected from SB-3, SB-4, SB-6, SB-7, SB-15, SB-17 and TP-A. TP-A(R) and TP-B were analyzed for pesticides. (Table 1 doesn't reflect these test pits)

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.

2.2 Groundwater Investigation

TurnKey personnel provided oversight for the installation of five new groundwater monitoring wells (i.e., MW-1 through MW-5) to investigate groundwater flow and quality. Details of the well installation, well development and groundwater sampling are provided below. Figure 4 presents the location of the monitoring well network.

2.2.1 Monitoring Well Installation

After completion of the subsurface investigation, five (5) soil boring locations, were subsequently converted to monitoring wells, identified as SB-1/MW-1, SB-4/MW-2, SB-7/MW-3, SB-10/MW-4, and SB-14/MW-5 (see Figure 4). The monitoring wells were installed using a direct-push drill rig capable of advancing hollow-stem augers to install two-

inch inside diameter (ID) monitoring wells in accordance with the approved RI/IRM Work Plan. Monitoring well construction details are presented on the Borehole Logs in Appendix B. Locations of the monitoring wells are presented on Figures 3 and 4.

2.2.2 Groundwater Sample Collection

The five newly installed monitoring wells were developed on April 18th, 2012, in general accordance with the approved Work Plan. After completion of well development, TurnKey personnel purged and sampled monitoring wells using a pump and dedicated pump tubing following low-flow/minimal drawdown purge and sample collection procedures on April 23rd, 2013. Field measurements for pH, specific conductance, temperature, turbidity, dissolved oxygen, and water level, as well as visual and olfactory field observations, were periodically recorded and monitored for stabilization. All collected groundwater samples were placed in pre-cleaned, pre-preserved laboratory provided sample bottles, cooled to 4°C in the field, and transported under chain-of-custody command to a NYSDOH ELAP-certified analytical laboratory.

2.2.3 Groundwater Sample Analyses

All groundwater samples collected from wells MW-1 through MW-5 were analyzed for TCL plus STARS VOCs, TCL SVOCs, dissolved metals, and PCBs. Samples from MW-1 through MW-4 were also sampled for pesticides and herbicides. All sampling was performed in accordance with USEPA SW-846 methodology with equivalent NYSDOC Category B deliverables to allow for independent third-party data usability assessment.

2.3 Soil Vapor Investigation

Based on the historical use of Building No. 1, a soil vapor investigation was completed in accordance with the approved Work Plan.

2.3.1 Sub-Slab Vapor, Indoor Air and Outdoor Air Sampling

On April 23, 2012, TurnKey conducted sub-slab vapor sampling in accordance with the approved Work Plan. Sample locations included two sub-slab and two indoor air samples collected within Building No.1. In addition, one outdoor ambient air sample was collected along the eastern boundary of the Site adjacent to Fell Alley (see Figure 3).

At each subslab sample location, TurnKey used a hand-held hammer drill to advance a 3/4-inch diameter hole through the concrete floor (approximately 6-inches thick). Following advancement through the concrete, an appropriately sized silicone stopper fitted with a 1/4-inch hollow Teflon tube was immediately inserted into the concrete core hole and secured. A laboratory supplied Summa Canister fitted with an 8-hour regulator was attached to the opposite end of the Teflon tubing. Concurrent with each sub-slab sample location, an indoor ambient air sample was prepared by staging a second summa canister on a ladder (approximately 5 feet above ground surface) adjacent to the sub-slab sample location. Indoor air sample locations were assembled similar to the outdoor ambient air sample.

2.3.2 Sample Collection

All Summa Canister valves remained closed until the borings were complete and all the canisters were in their respective positions. The valves were then opened for the required 8-hour collection period. Because the building was vacant and sealed for over a year, the building ventilation system was not fully functional at the time of the sampling. Doors and windows were shut throughout the sampling event.

2.3.3 Sample Analysis

Following sample collection, TurnKey personnel closed and capped each canister valve. The air samples were shipped to and transported under chain-of-custody command to a NYSDOH ELAP-certified analytical laboratory for VOC analysis in accordance with USEPA Method TO-15. All concrete openings were repaired with a cement patch.

2.4 On-Site Soil Reuse and Backfill Source Assessment

Shallow overburden on-Site soils, approximately 0.5 to 2 fbgs, located north of the former Building #2, were removed and stockpiled on-Site prior to completion of the IRM excavation. Approximately 150 cubic yards of clean overburden soil was stockpiled and sampled in accordance in DER-10, Table 5.4(e), including three (3) discreet grab samples for analysis of TCL plus STARS VOCs, and one composite sample for analysis of TCL SVOCs, TAL metals, PCBs, herbicides and pesticides. All analytical results were below Unrestricted

Use SCOs (see Table 7), demonstrating conformance with reuse criteria. The stockpiled soils were approved for use as backfill by the Department.

Approximately 4,268 tons of recycled concrete originating from Battaglia Demolition, Inc., located at 1037 Seneca Street, Buffalo NY (registered facility – 15W31) was transported to the Site by R. E. Lorenz for use as backfill. The recycled concrete source material was characterized in accordance with the approved work plan, DER-10 and/or correspondence with the Department. Analytical results for the recycled concrete are presented on Table 7.

2.5 Field Specific Quality Assurance/Quality Control Sampling

In addition to the subsurface soil/fill, groundwater, and sub-slab vapor samples described above, field-specific quality assurance/quality control (QA/QC) samples were collected and analyzed to ensure the reliability of the generated data as described in the QAPP and to support the required third-party data usability assessment effort. Site-specific QA/QC samples included matrix spikes, matrix spike duplicates, blind duplicates, and trip blanks.

2.6 Site Mapping

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

3.0 SITE PHYSICAL CHARACTERISTICS

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

3.1 Site Topography and Drainage

The Site is generally flat lying with limited distinguishable Site features. The surface was predominately covered with pavement (i.e. asphalt and concrete), and Building No. 1. It should be noted that the former Building No. 2 and Building No. 3 were demolished to grade (see Figure 2). Precipitation (i.e., rain or melting snow) moves to the storm drains in the roadways 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 U.S. Department of Agriculture Soil Conservation Service soil survey map of Erie County describes the general soil type at the Site as Urban Land (Ud) with 0-3 percent slopes. This is indicative of the level to gently sloping land with at least 40 percent of the soil surface covered by asphalt, concrete, buildings, or other impervious structures typical of an urban environment.

The geology at the Site was investigated during the RI and is generally described as asphalt and subbase fill overlying reddish-brown sandy lean clay.

3.2.2 Bedrock

Based on the bedrock geologic map of Erie County (Ref. 4), the Site is situated over the Hamilton Group Formation of the Middle Devonian Series. The Hamilton Group, Skaneateles Formation is comprised of Levanna Shale, and Stratford Limestone. The unit has an approximate thickness of 200 to 500 feet. Structurally, the bedrock formations strike in an east-west direction and exhibit a regional dip that approximates 50 feet per mile (3 to 5 degrees) toward the south and southwest. Bedrock was not encountered during RI/IRM activities.

3.2.3 Hydrogeology

Based on the groundwater gauging completed during the RI, localized groundwater flow was determined to be to the southwest. Groundwater was typically encountered between 5.5 to 6.0 fbgs during the soil boring investigation. Figure 4 depicts the groundwater isopotential map, and monitoring well and groundwater elevation data are shown on Table 4.

4.0 INVESTIGATION RESULTS BY MEDIA

The following sections discuss the analytical results of the Remedial Investigation. Tables 2 through 5 summarize the soil/fill, groundwater, and soil vapor and air analytical data, respectively. Appendix C includes the laboratory analytical data packages. Sample locations are shown on Figure 3.

4.1 Subsurface Soil/Fill

The soil/fill investigation completed during the RI is discussed in the following section. Table 2 presents a comparison of the detected soil parameters to the 6NYCRR Part 375 Soil Cleanup Objectives (SCOs) for Unrestricted Use (December 2006).

4.1.1 Volatile Organic Compounds

No VOCs were detected above Unrestricted Use SCOs during the RI, with the exception of xylene in SB-5, SB-11, and SB-18; and, 1,2,4-trimethylbenzene in SB-18 (see Table 2). These boring locations were subsequently excavated and disposed off-site during the IRM activities (see Section 5, below).

4.1.2 Semi-Volatile Organic Compounds

No SVOCs were detected above Unrestricted Use SCOs, with the exception of SB-5 (see Table 2). The vast majority of the analytes were reported as non-detectable or at trace (estimated) concentrations below the sample quantitation limit by the analytical laboratory.

As noted above, this boring location was excavated and disposed off-site during IRM activities. Details of the IRM are provided in Section 5.0, below.

4.1.3 Inorganic Compounds

No metals were detected above Unrestricted Use SCOs.

4.1.4 Pesticides, Herbicides and Polychlorinated Biphenyls

No PCBs, herbicides or pesticides were detected above Unrestricted Use SCOs, with the minor exceptions of 4,4'-DDE and 4,4'-DDT in select test pit location TP-A, TP-A(R), and/or TP-B. As noted above, test pits were advanced within an area of the Site that was previously remediated to characterize historic backfill material. No pesticides and herbicides

were detected above Unrestricted Use SCOs in the soil boring locations. All results were detected below Residential Use SCOs.

4.1.5 Subsurface Soil Summary

As described above, no VOCs, SVOCs, pesticides, herbicides, PCBs or inorganic compounds (metals) were detected above Unrestricted Use SCOs, with the exception of SB-5, SB-11 and SB-18. These boring locations were subsequently excavated and disposed off-site during IRM activities (see Section 5.0, below). 4,4-DDE and 4,4-DDT were detected above Unrestricted Use SCOs in TP-A, TP-A(R) and/or TP-B; which were completed within the historic backfill. All results were below their respective Residential Use SCOs.

4.2 Groundwater

The sampling results for groundwater monitoring completed during the RI are discussed in the following sections. Table 3 presents a comparison of the detected groundwater parameters to the Class GA Groundwater Quality Standards (GWQS) per NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations (June 1988). The groundwater results were collected prior to IRM excavation of impacted soil/fill and the extraction and permitted discharge of groundwater from within the IRM excavation.

4.2.1 Volatile Organic Compounds

The majority of analytes were reported as non-detectable or trace (estimated) concentrations below the laboratory quantitation limit. Two VOCs, 1,3,5-trimethylbenzene and xylene, were detected slightly above their respective GWQS in one well (MW-2; see Table 3). It should be noted that MW-2 and the surrounding soil was excavated to a depth approximately 16 fbg and laterally to the adjacent northern and eastern property boundaries during IRM activities (see Section 5, below).

4.2.2 Semi-Volatile Organic Compounds

No SVOCs were detected above the GWQS. All analytes were reported as non-detectable or trace (estimated) concentrations below the laboratory quantitation limit (see Table 3).

4.2.3 Inorganic Compounds

Metals detected at concentrations above GWQS were primarily limited to naturally-occurring minerals, including iron, magnesium, manganese, nickel and sodium.

4.2.4 Pesticides, Herbicides and Polychlorinated Biphenyls

No pesticides, herbicides, or PCBs were detected above GWQS (see Table 3).

4.2.5 Summary

As described above and shown on Table 3 VOCs, SVOCs, PCBs, pesticides, and herbicides were predominantly reported as non-detectable, trace (estimated), or detected at concentrations below the GWQS. Two VOCs were detected slightly above GWQS in MW-2. Metals detected at concentrations above GWQS are primarily naturally occurring minerals.

It should be noted that IRM activities removed MW-2, and the surrounding soil was excavated to approximately 16 fbg and to the adjacent northern and eastern property boundaries (see Section 5, below). Furthermore, approximately 20,000-gallons of groundwater was extracted and discharged with permission from BSA during the IRM. All apparent sources of petroleum contamination were removed during the IRM and any residual VOCs that may remain will naturally attenuate over time.

4.3 Sub-Slab Vapor, Indoor Air and Outdoor Air

A total of five air samples were collected on April 23rd, 2012. The sampling included two sub-slab vapor samples, two indoor air samples (taken adjacent the sub-slab sample points), and one outdoor ambient air sample. Table 5 compares the analytical results to the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York (October 2006).

4.3.1 Volatile Organic Compounds

Utilizing NYSDOH Matrix 1 and Matrix 2, the majority of the results indicate “No Further Action (NFA)” (see Table 5). One constituent, carbon tetrachloride, was detected at a level indicating “Take reasonable and practicable actions to identify source(s) and reduce exposure (I.R)”. Carbon tetrachloride results were reported as non-detect (ND) from the

SSV samples, and Interior air sample results were less than the Outdoor Ambient air sample result.

4.3.2 Summary

The majority of air results indicate “No Further Action” (NFA), with one minor exception of carbon tetrachloride which was designated as “Take reasonable and practical actions to identify source(s) and reduce exposures (I,R). Both SSV results were reported as non-detect (ND), and both Interior air sample results were less than the Outdoor Ambient air result for carbon tetrachloride.

4.4 Data Usability Summary

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

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

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

In summary, sample analyses were primarily conducted in compliance with the required analytical protocols. Most sample results are usable either as reported or with qualification. One volatile analyte (1,4-dioxane) in all samples was rejected, one volatile analyte (isopropyl alcohol) in all aqueous samples was rejected; and one semi-volatile analyte (3,3-dichlorobenzidine) in one sample (MW-4) was rejected. Some data were further qualified during the data validation. Qualifications of the data have been incorporated to the summary data tables. Appendix D includes the DUSR.

5.0 INTERIM REMEDIAL MEASURES

In accordance with the NYSDEC-approved RI/IRM Work Plan, following the completion of RI fieldwork, an IRM was implemented based on the nature and extent of the impacts identified during the RI. As stated in the approved RI/IRM Work Plan, 285 Niagara Operating Co.'s intent was for the IRM to substantially or completely constitute the final NYSDEC-approved BCP remedy for the Site. Figure 5 presents the location of IRM excavation areas.

Specific elements of the IRM, as implemented, included:

- Demolition and off-Site disposal of Buildings No.2 and 3.
- Removal and off-site recycling of approximately 374 tons of non-impacted asphalt and concrete.
- Excavation of approximately 4,360 tons of non-hazardous petroleum-impacted soil followed by off-site transportation by R. E. Lorenz for biotreatment at Tonawanda Terminal Biotreatment facility, located in Tonawanda, New York.
- Collection of a total of 48 post-excavation confirmatory soil samples including: thirty-five (35) side wall samples, and thirteen (13) bottom samples. Analytical results indicate that all remaining on-Site side wall and bottom samples were below Part 375 Unrestricted Use SCOs, with the minor exception of B-6 (16 fbgs).
- During IRM excavation activities, two (2) abandoned underground storage tanks (USTs) were discovered. UST-1 was an approximate 500 gallon steel UST discovered under the former Bldg. No. 3. UST-2 was an approximate 100 gallon steel UST discovered in the vicinity of SB-6. USTs were inspected, cleaned, and transported off-site by R. E. Lorenz for recycling as scrap at Gateway Recycling, located in Cheektowaga, NY.
- Approximately 20,000 gallons of groundwater from the on-Site excavation areas was extracted and transferred to an on-Site temporary storage tank during IRM activities. The accumulated excavation water was discharged to the sewer under approved temporary discharge permit from the Buffalo Sewer Authority (BSA).
- Placement and compaction of approximately 4,268 tons of approved recycled concrete backfill originating from Battaglia, located in Buffalo, NY

The Final Engineering Report, to be submitted as a separate document, includes additional details and supporting documentation of the IRM.

6.0 FATE AND TRANSPORT OF COPCs

The subsurface soil/fill, groundwater, and air sample analytical results were incorporated with the physical characterization of the Site to evaluate the fate and transport of COPCs in Site media. The mechanisms by which the COPCs can migrate to other areas or media are briefly outlined below. In all instances, the potential pathways are evaluated in the context of post-IRM conditions.

6.1 Fugitive Dust Generation

Volatile and non-volatile chemicals present in soil can be released to ambient air as a result of fugitive dust generation. Impacted soil/fill was excavated/removed and disposed of off-Site as part of the IRM activities and the completed remedial action achieved an Unrestricted Use cleanup.

Based on the achieved Unrestricted Use cleanup, which is deemed fully protective of human and environmental health, and the planned redevelopment of the Site with the majority of the Site covered by buildings, concrete, and asphalt, this migration pathway is not considered relevant..

6.2 Volatilization

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

A soil vapor investigation was completed as part of the RI. Utilizing the NYSDOH Matrix 1 and Matrix 2 guidelines, the majority of results indicated "No Further Action (NFA)." One constituent, carbon tetrachloride, was detected in the indoor air at a level which indicated "Take reasonable and practicable actions to identify source(s) and reduce exposure (I.R)" utilizing NYSDOH Matrix 1, however, subslab vapor samples were reported by the laboratory as non-detect (ND) for carbon tetrachloride, and indoor air samples were detected below the outdoor ambient air sample result for carbon tetrachloride. As such, soil volatilization to the existing Building No. 1 is not considered a migration pathway.

Two petroleum VOCs were detected in on-Site groundwater at concentrations slightly above Class GA GWQS in MW-2. Based on the completed IRM in the vicinity of MW-2, which removed the petroleum impacted soil/fill to the property boundaries and to a

depth of approximately 16 fbgs, with on-Site post-excavation sample results below Unrestricted Use SCO, it is expected that any residual groundwater concentrations to decrease naturally over time.

No volatile organic compounds were detected in any on-Site post-excavation sidewall and bottom samples above Unrestricted Use SCO, with the minor exception of benzene in B-6 at approximately 16 fbgs, which was below the Residential Use SCO. Therefore, the release of VOCs from soils is not considered relevant in current and future use scenarios.

Based on the achieved Unrestricted Use cleanup, and results of the Building No. 1 soil vapor investigation, volatilization from soil and/or groundwater is not considered a relevant pathway.

6.3 Surface Water Runoff

The potential for soil particle transport with surface water runoff is low, as the majority of the Site is planned to be covered by concrete, asphalt and/or buildings. Precipitation waters are collected in on-Site catch basins, and transmitted to the municipal sewer and treated by 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. As such, surface water runoff is not considered a relevant migration pathway.

6.4 Leaching

Leaching refers to chemicals present in soil/fill migrating downward to groundwater as a result of infiltration of precipitation. The completed IRM excavation/removal and off-Site disposal of impacted soil/fill from the Site which achieved an Unrestricted Use cleanup mitigates any potential leaching of chemicals to groundwater. Furthermore, the majority of the Site is planned to be covered by impermeable surfaces (i.e., asphalt, concrete, and buildings) which limit infiltration of precipitation. As such, leaching is not considered a relevant migration pathway.

6.5 Groundwater Transport

Regional groundwater migrates southwest towards Lake Erie. Groundwater on-Site may be influenced by underground utilities and building foundations. Volatile chemicals

detected in groundwater are present at relatively low concentrations (i.e., 16 ug/L was the maximum individual VOC concentration detected). Groundwater flows through a relatively low permeability sandy lean clay geologic unit, with an estimated hydraulic conductivity of 1×10^{-5} to 1×10^{-6} centimeters per second (cm/s) and porosity range of 0.3 and 0.4 (Ref. 6); and a measured average hydraulic gradient of approximately 0.01419 ft/ft. Darcy's velocity calculation indicates that shallow overburden groundwater migrates to the southwest at a rate of approximately 1.15×10^{-3} to 1.15×10^{-4} ft/day.

The completed IRM activities effectively removed potential source areas, with all remaining groundwater monitoring wells analytical results below GWQS for VOCs and SVOCs. Dissolved metals that were detected above GWQS are mainly natural occurring minerals. The surrounding areas in the vicinity of the Site are serviced by a municipal (supplied) water service by Buffalo Water Authority, with no evidence of potable wells in the area of the subject property. As such, transport off-site via groundwater migration is not a relevant migration pathway.

6.6 Exposure Pathways

Based on the analysis of chemical fate and transport provided above, and the achieved Unrestricted Use cleanup, whereby no COPCs and/or pathways were identified as potential migration pathways or receptors. The achieved Unrestricted Use cleanup is fully protective of human health and the environment.

7.0 QUALITATIVE RISK ASSESSMENT

7.1 Potential Human Health Risks

Based on the achieved Unrestricted Use cleanup, the 285-295 Niagara Street Site is fully protective of human health. The planned mixed-use residential and commercial redevelopment is consistent with the surrounding property use and zoning. As such, under current conditions (i.e., redevelopment) human contact with the Site can be expected to occur primarily by two types of receptors: trespassers who may traverse the property during redevelopment, and construction workers. Trespassers may be comprised of adolescents or adults, whereas construction workers would be limited to adults. In both instances, exposure frequency is expected to be negligible with remaining on-Site samples below Part 375 Unrestricted Use SCO values with minor exceptions.

Three constituents were identified above their respective Part 375 Unrestricted Use SCO values, including benzene at B-6 (16 fbgs), and 4,4'-DDE and 4,4-DDT were detected in TP-A, TP-A(R), and/or TP-B (see Table 2)

The NYSDEC Part 375 Unrestricted Use SCO values were developed to be fully protective of human health and the environment, regardless of the end use of the property. In establishing the final Unrestricted Use SCO values, the Department utilized the lowest value from the final human-health based screening, the protection of groundwater, and the protection of ecological resources values. Based on Part 375-6, the utilization of the protection of groundwater SCO values would not be applicable for this Site as the three constituents were reported as non-detect (ND) in site-specific groundwater samples. Accordingly the groundwater data show that site soils do not impair or threaten groundwater quality. Additionally, the protection of ecological resources SCO values are not applicable as the Site is located in a highly developed urban area of the City of Buffalo, and the former and planned redevelopment of the Site includes primarily impervious surfaces cover (i.e. asphalt and concrete paving and buildings), whereby the Site does not provide suitable habitat to support flora or fauna. Therefore, the remedial SCO values are directed by the human health-based soil values.

Final human-health based SCO values, as presented in Table 5.6-1 of the Technical Support Document (2006) list unrestricted human-health based SCO values for benzene of 2.0 mg/Kg, 4,4'-DDE of 0.18 mg/Kg, and 0.17 mg/Kg 4,4-DDT. All results from this investigation

and remediation were below the final human health based SCOs. Therefore, the site has met the requirements for an Unrestricted Use cleanup.

For groundwater, given the extent of soil/fill excavated during the IRMs, particularly when the excavation was continued to the property boundaries in the vicinity of MW-2, and no exceedance of VOCs or SVOCs above GWQS were detected in the remaining wells; and, the availability of municipal water source at the Site, 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) is highly unlikely. Non-routine contact with Site groundwater is expected to be limited to short durations under specific construction conditions (e.g., a construction worker managing groundwater during deep excavation work below the 6 to 8 fbg's groundwater table). Given the limited frequency and duration of these non-routine activities direct groundwater exposure pathways for on-Site receptors are not considered significant. Municipally supplied potable water is provided, and required to be used in the City of Buffalo.

The IRMs were completed to reduce/eliminate exposure to COPCs and were successful in achieving an Unrestricted Use cleanup.

7.2 Potential Ecological Risks

The 285-295 Niagara Street BCP Site is a former commercial facility located within a highly developed area in the City of Buffalo. The Site was primarily covered with asphalt, concrete and buildings, which provide little or no wildlife habitat or food value. No natural waterways are present on or adjacent to the Site. The reasonably anticipated future use of the Site is a mixed-use residential and commercial redevelopment with the majority of the Site covered by buildings, concrete sidewalks and asphalt. IRM activities eliminated source areas and achieved an Unrestricted Use cleanup. As such, no unacceptable ecological risks are anticipated under the current or reasonably anticipated future use scenario.

7.3 Potential Off-Site Exposure Risk

As a Volunteer, 285 Niagara Operating Co. did not perform off-site investigation or sampling activities during the RI; however, results from the RI and IRM have been reviewed to assess the potential of off-site contamination.

Based on the lateral extents of the IRM excavation, which was continued to the property boundary along portions of the northeast, east, and southwest boundaries (see Figure 5), sidewall confirmatory post-excavation soil samples collected off-site (i.e. property boundary) can be used to assess potential residual offsite impacts. Post-excavation confirmatory soil analytical results indicate that only two (2) sidewall samples collected off-site were detected above Unrestricted Use SCOs, identified as SW-2 and SW-22 (see Table 6). Elevated VOCs were detected above Unrestricted Use SCOs in SW-2 and SW-22, and elevated VOCs were detected above Residential Use SCOs in SW-2. One VOC constituent, 1,2,4-trimethylbenzene was detected slightly above its Restricted-Residential Use SCO (59 mg/Kg vs. 52 mg/Kg SCO, respectively) in SW-2. Elevated PID readings and odors were noted at SW-2.

Though potential off-site subsurface soil contamination may be present in the vicinity of SW-2, exposure to the low-level contamination is highly unlikely due to the impermeable surface cover (asphalt) and current use as parking and driveway off of Fell Alley. Potential exposure would be limited to subgrade excavation (e.g. utilities); however, contaminant concentrations in SW-2 are below Commercial Use SCOs which are protective of the utility worker.

Based on groundwater gauging collected during the RI, groundwater is estimated to flow in a south and southwest direction. Upgradient on-Site monitoring wells MW-2 and MW-4 analytical results were primarily below GWQS, with minor exception of naturally occurring metals, including iron, magnesium, manganese and sodium; and, slight exceedance of two VOCs in MW-2, including 1,3,5-trimethylbenzene (16 ug/L vs. 5 ug/l GWQS) and xylene (5.7 ug/L vs. 5 ug/L GWQS). The groundwater samples were collected prior to completion of the IRMs, which effectively removed the potential source area and achieved Protection of Groundwater SCOs; with all remaining groundwater monitoring wells analytical results below GWQS for VOCs and SVOCs. Any residual groundwater impacts are expected to naturally degrade over time.

8.0 REMEDIAL ALTERNATIVES EVALUATION

8.1 Remedial Action Objectives

The final remedial measures for the 285-295 Niagara Street Site must satisfy Remedial Action Objectives (RAOs). Remedial Action Objectives are site-specific statements that convey the goals for minimizing or eliminating substantial risks to public health and the environment. Appropriate RAOs for the 285-295 Niagara Street Site are:

- Prevent ingestion of or direct contact with groundwater containing contaminant levels exceeding drinking water standards.
- Prevent contact with, or inhalation of, volatiles emanating from contaminated groundwater.
- Remove the source of ground water contamination.
- Prevent ingestion/direct contact with contaminated soil.
- Prevent inhalation of or exposure from contaminants volatilizing from contaminants in soil.
- Prevent migration of contaminants that would result in groundwater or surface water contamination.
- Mitigate impacts to public health resulting from existing, or the potential for, soil vapor intrusion into buildings at a site.

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

- **Overall Protection of Public Health and the Environment.** This criterion is an evaluation of the remedy's ability to protect public health and the environment, assessing how risks posed through each existing or potential pathway of exposure

are eliminated, reduced, or controlled through removal, treatment, engineering controls, or institutional controls.

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

the necessary personnel and material is evaluated along with potential difficulties in obtaining specific operating approvals, access for construction, etc.

- **Cost.** Capital, operation, maintenance, and monitoring costs are estimated for the remedy and presented on a present worth basis.
- **Community Acceptance.** This criterion evaluates the public's comments, concerns, and overall perception of the remedy.

8.2 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 285-295 Niagara Street Site are presented in the Land Use Evaluation presented in Appendix E. As indicated, this evaluation supports residential/commercial use as the reasonably anticipated future use of the Site, which is consistent with past use.

Although the Site is intended to be used for residential/commercial purposes, the IRM effectively achieved an Unrestricted Use cleanup. Therefore, Tables 2 and 6 present a comparison of the soil/fill analytical data to Part 375 Unrestricted Use SCOs, and the only alternatives discussed in detail in Section 8.3 is:

- No Further Action beyond which was completed as IRMs; Unrestricted Use Cleanup

8.3 Alternatives Evaluation

8.3.1 IRM/Unrestricted Use/No Further Action

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

Overall Protection of Public Health and the Environment – The Site is fully protective of human health and the environment, based on the achieved level of cleanup (i.e. Unrestricted Use). Accordingly, no further action is protective of public health and does satisfy the RAOs.

Compliance with SCGs – Under the current and reasonably anticipated future use scenario (residential/commercial), the concentrations of constituents detected in the soil/fill, groundwater, and air generally comply with applicable SCO and GWQS.

Long-Term Effectiveness and Permanence – The no further action alternative involves no additional equipment, institutional controls or facilities subject to maintenance. Based on the extent of removal completed during the IRMs, this alternative does provide long-term effectiveness, and achieves the RAOs.

Reduction of Toxicity, Mobility, or Volume with Treatment – The IRMs completed at the Site have reduced the toxicity, mobility and volume of COPCs. The IRMs were successful in achieving Unrestricted Use SCO, and therefore this alternative is protective of public health and satisfies the RAOs.

Short-Term Effectiveness – No short-term adverse impacts and risks to the community, workers, or the environment attributable to implementation of the IRM/no further action alternative.

Implementation – No technical or administrative implementation issues are associated with the no further action alternative.

Cost – The capital cost of the IRM was approximately \$500,000. There would be no capital or long-term operation, maintenance, or monitoring costs associated with the no further action alternative.

Community Acceptance – The RI/IRM Work Plan was made available for comment from February 16, 2012 through March 16, 2012. No comments opposing the work were received. The Site was remediated to Unrestricted Use SCO.

8.4 Recommended Remedial Measure

Based on the Alternatives Analysis evaluation, the completed IRM/No Further Action fully satisfies the remedial action objectives, achieved Unrestricted Use SCOs, and is therefore fully protective of human health and the environment.

Accordingly, the completed IRM/No Further Action is the recommended final remedial approach for the 285-295 Niagara Street Site.

9.0 RI/IRM/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 sub-surface soil data, concentrations of VOCs, SVOCs, metals, pesticides, herbicides, and PCBs were below Part 375 Unrestricted Use SCOs, with the minor exception of one analyte at B-6 (16 fbgs), and 4,4-DDE and 4,4-DDT identified selectively in TP-A, TP-A(R), and/or TP-B. All values were below the NYSDEC Unrestricted Final Human Health Based SCOs.
- Based on the groundwater data, the vast majority of analytes were detected below GWQS. Two VOCs and certain naturally-occurring metals were detected slight above GWQS. However, no VOCs or SVOCs were detected above GWQS in the remaining on-Site wells. Furthermore, on-Site groundwater is not used for potable or other purposes, further reducing any potential contact with or ingestion of groundwater.
- Based on the nature and extent of the impacts identified during the RI, as well as previously known conditions (e.g., former site use including: gasoline station, car wash, and manufacturing operations; open Spill file, and elevated VOCs in soil/fill), planned IRMs were discussed with and approved by NYSDEC with concurrence from the NYSDOH. The IRMs included: excavation and off-site treatment of approximately 4,360 tons of petroleum impacted soil/fill; excavation, cleaning and off-site recycling as scrap of two, approximate 100 and 500 gallon, respectively, steel abandoned USTs; extraction and permitted discharge of approximately 20,000-gallons of excavation water; and placement and compaction of approved recycled concrete backfill material.
- Post-excavation confirmatory soil sample results indicate that all confirmatory samples are below Part 375 Unrestricted Use SCOs with the minor exception of benzene at B-6, which was below its Part 375 Residential Use SCO. Based on the RI and IRM data, the remedial work effectively achieved an Unrestricted Use cleanup.

The Final Engineering Report, to be submitted as a separate document, includes additional details and supporting documentation of the IRMs.

- As stated in the approved RI/IRM Work Plan, 285 Niagara Operating Co.'s intent was for the IRMs to substantially or completely constitute the final NYSDEC-approved BCP remedy for the Site. The remedial work achieved an Unrestricted Use cleanup. Based on the Alternatives Analysis evaluation, the completed IRMs fully satisfies the remedial action objectives and is protective of human health and the environment. Accordingly, the completed IRM is the recommended final remedy for the 285-295 Niagara Street Site.

10.0 REFERENCES

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TABLES



TABLE 1
SUMMARY OF SAMPLING AND ANALYSIS PROGRAM
285-295 NIAGARA STREET SITE
BUFFALO, NY

Sample Identifier	Data Source	Depth Sampled/ Screened (fbgs)	Analysis						Date Sampled	Comments
			TCL VOCs	TCL SVOCs	PCBs	TAL Metals	Pesticides	Herbicides		
Subsurface Soil/Fill										
SB-1	Remedial Investigation	0-2		X					04/16/2012	
SB-2	Remedial Investigation	3-5		X					04/16/2012	
SB-3	Remedial Investigation	5-7	X	X	X	X	X	X	04/16/2012	
SB-4	Remedial Investigation	9-11	X	X	X	X	X	X	04/16/2012	
SB-5	Remedial Investigation	0-4		X	X	X	X	X	04/16/2012	MS/MSD
SB-5	Remedial Investigation	7-9	X	X					04/16/2012	
SB-6	Remedial Investigation	7-9	X	X	X	X	X	X	04/16/2012	
SB-7	Remedial Investigation	5-7		X	X	X	X	X	04/16/2012	
SB-8	Remedial Investigation	3-5		X					04/16/2012	
SB-9	Remedial Investigation	10-12		X					04/16/2012	
SB-10	Remedial Investigation	0-1		X					04/16/2012	
SB-11	Remedial Investigation	7-9	X						04/17/2012	
SB-11	Remedial Investigation	14-15	X						04/17/2012	
SB-13	Remedial Investigation	1-3		X					04/17/2012	
SB-14	Remedial Investigation	5-7		X					04/17/2012	
SB-15	Remedial Investigation	0-2	X	X	X	X	X	X	04/17/2012	
SB-16	Remedial Investigation	0-2		X					04/17/2012	
SB-17	Remedial Investigation	0-2	X	X	X	X	X	X	04/17/2012	
SB-18	Remedial Investigation	7-9	X	X					04/17/2012	
SB-19	Remedial Investigation	3-5		X					04/17/2012	
TP-A	Remedial Investigation	--	X	X	X	X	X	X	01/15/2013	
TP-A (R)	Remedial Investigation	--					X		05/01/2013	
TP-B	Remedial Investigation	--					X		05/01/2013	
SW-1	Interim Remedial Measures	--	X						12/27/2012	
SW-2	Interim Remedial Measures	--	X						12/27/2012	
SW-3	Interim Remedial Measures	--	X						12/27/2012	
SW-4	Interim Remedial Measures	--	X						12/27/2012	
SW-5	Interim Remedial Measures	--	X						12/31/2012	
SW-6	Interim Remedial Measures	--	X						12/31/2012	
SW-7	Interim Remedial Measures	--	X						12/31/2012	
SW-8	Interim Remedial Measures	--	X						01/02/2013	
SW-11	Interim Remedial Measures	--	X						01/02/2013	
SW-12	Interim Remedial Measures	--	X						01/02/2013	
SW-13	Interim Remedial Measures	--	X						01/02/2013	
SW-14	Interim Remedial Measures	--	X						01/02/2013	
SW-15	Interim Remedial Measures	--	X						01/03/2013	
SW-16	Interim Remedial Measures	--	X						01/07/2013	MS/MSD
SW-17	Interim Remedial Measures	--	X						01/07/2013	
SW-18	Interim Remedial Measures	--	X						01/08/2013	
SW-19	Interim Remedial Measures	--	X						01/07/2013	
SW-22	Interim Remedial Measures	--	X						01/09/2013	
SW-23	Interim Remedial Measures	--	X						01/09/2013	
SW-24	Interim Remedial Measures	--	X						01/09/2013	
SW-25	Interim Remedial Measures	--	X						01/09/2013	



TABLE 1
SUMMARY OF SAMPLING AND ANALYSIS PROGRAM
285-295 NIAGARA STREET SITE
BUFFALO, NY

Sample Identifier	Data Source	Depth Sampled/ Screened (fbgs)	Analysis						Date Sampled	Comments
			TCL VOCs	TCL SVOCs	PCBs	TAL Metals	Pesticides	Herbicides		
Subsurface Soil/Fill (continued)										
SW-26	Interim Remedial Measures	--	X						01/09/2013	
SW-27	Interim Remedial Measures	--	X						01/09/2013	
SW-29	Interim Remedial Measures	--	X						01/10/2013	
SW-30	Interim Remedial Measures	--	X	X					01/10/2013	
SW-31	Interim Remedial Measures	--	X						01/10/2013	
SW-32	Interim Remedial Measures	--	X						01/10/2013	
SW-33	Interim Remedial Measures	--	X						01/16/2013	
SW-34	Interim Remedial Measures	--	X						01/16/2013	
SW-35	Interim Remedial Measures	--	X						01/16/2013	
Bottom-1	Interim Remedial Measures	--	X						12/27/2012	MS/MSD
Bottom-2	Interim Remedial Measures	--	X						12/31/2012	
Bottom-3	Interim Remedial Measures	--	X						01/02/2013	
Bottom-4	Interim Remedial Measures	--	X						01/02/2013	
Bottom-5	Interim Remedial Measures	--	X						01/03/2013	
Bottom-6	Interim Remedial Measures	--	X						01/07/2013	
Bottom-7	Interim Remedial Measures	--	X						01/08/2013	
Bottom-8	Interim Remedial Measures	--	X						01/09/2013	
Bottom-9	Interim Remedial Measures	--	X						01/09/2013	
Bottom-10	Interim Remedial Measures	--	X						01/09/2013	
Bottom-11	Interim Remedial Measures	--	X						01/10/2013	
Bottom-12	Interim Remedial Measures	--	X						01/10/2013	MS/MSD
Bottom-13	Interim Remedial Measures	--	X						01/16/2013	
Soil Reuse Grab 1	Interim Remedial Measures	--	X						01/08/2013	
Soil Reuse Grab 2	Interim Remedial Measures	--	X						01/08/2013	
Soil Reuse Grab 3	Interim Remedial Measures	--	X						01/08/2013	
Soil Reuse Comp 1	Interim Remedial Measures	--	X	X	X	X	X	X	01/08/2013	
Groundwater										
MW-1	Remedial Investigation	--	X	X	X	X	X	X	04/23/2012	
MW-2	Remedial Investigation	--	X	X	X	X	X	X	04/23/2012	
MW-3	Remedial Investigation	--	X	X	X	X	X	X	04/23/2012	
MW-4	Remedial Investigation	--	X	X	X	X	X	X	04/23/2012	MS/MSD
MW-5	Remedial Investigation	--	X	X	X	X			04/23/2012	
Air										
SSV-1	Remedial Investigation	--	X						04/23/2012	
SSV-2	Remedial Investigation	--	X						04/23/2012	
Interior-1	Remedial Investigation	--	X						04/23/2012	
Interior-2	Remedial Investigation	--	X						04/23/2012	
Outdoor	Remedial Investigation	--	X						04/23/2012	
Totals:			67	26	14	14	15	13		



TABLE 2
SUMMARY OF SUBSURFACE SOIL ANALYTICAL RESULTS

285-295 NIAGARA STREET SITE

BUFFALO, NY

PARAMETER ¹	Unrestricted Use SCOs ²	Residential Use SCOs ²	SAMPLE LOCATION (DEPTH)																				TP-A	TP-A(R)	TP-B
			SB-01 (0-2')	SB-02 (3-5')	SB-03 (5-7')	SB-04 (9-11')	SB-05 (0-4')	SB-05 (7-9)	SB-06 (7-9')	SB-07 (5-7')	SB-08 (3-5')	SB-09 (10-12')	SB-10 (1-2')	SB-11 (7-9')	SB-11 (14-15')	SB-13 (1-3')	SB-14 (5-7')	SB-15 (0-2')	SB-16 (0-2')	SB-17 (0-2')	SB-18 (7-9')	SB-19 (3-5')			
Volatile Organic Compounds (VOCs) - mg/Kg ³																									
1,2,4-Trimethylbenzene	3.6	47	--	--	ND	0.0056 J	--	10	3.3	--	--	--	ND	0.94	0.62	--	--	ND	--	ND	6.4	--	ND	--	--
1,2,4,5-Tetramethylbenzene	--	--	--	--	0.00058 J	ND	--	1.7	2.2	--	--	--	ND	0.14	0.088	--	--	ND	--	ND	4.5	--	ND	--	--
1,3,5-Trimethylbenzene	8.4	47	--	--	ND	0.0042 J	--	3.1	6.1	--	--	--	ND	0.44	0.26	--	--	ND	--	ND	2.6	--	ND	--	--
1,4-Dichlorobenzene	1.8	9.8	--	--	ND	ND	--	ND	ND	--	--	--	ND	ND	ND	--	--	0.43	--	ND	ND	--	ND	--	--
1,4-Diethylbenzene	--	--	--	--	ND	0.0057 J	--	4.2	5.2	--	--	--	ND	0.33	0.11	--	--	ND	--	ND	14	--	ND	--	--
4-Ethyltoluene	--	--	--	--	0.0013 J	0.0092 J	--	6.6	7.7	--	--	--	ND	0.61	0.3	--	--	ND	--	ND	6.4	--	ND	--	--
Acetone	0.05	1.05	--	--	ND	ND	--	ND	ND	--	--	--	ND	ND	ND	--	--	ND	--	ND	ND	--	0.0045 J	--	--
Bromomethane (Methyl bromide)	--	--	--	--	ND	ND	--	0.1 J	ND	--	--	--	ND	ND	ND	--	--	ND	--	ND	0.08 J	--	ND	--	--
Ethylbenzene	1	30	--	--	ND	ND	--	ND	0.1 J	--	--	--	ND	0.093	0.084	--	--	ND	--	ND	ND	--	ND	--	--
Isopropylbenzene (Cumene)	--	--	--	--	ND	ND	--	0.17	0.38	--	--	--	ND	0.03	0.018	--	--	ND	--	ND	0.23	--	ND	--	--
Methylene chloride	0.05	51	--	--	ND	ND	--	ND	ND	--	--	--	ND	ND	ND	--	--	0.0055 J	--	ND	ND	--	0.0093 J	--	--
n-Propylbenzene	3.9	100	--	--	ND	0.0028 J	--	1.1	2.5	--	--	--	ND	0.16	0.097	--	--	ND	--	ND	1.8	--	ND	--	--
p-Isopropyltoluene	--	--	--	--	ND	ND	--	0.097 J	0.14	--	--	--	ND	0.009	0.0042	--	--	ND	--	ND	0.44	--	ND	--	--
sec-Butylbenzene	11	100	--	--	ND	ND	--	ND	0.24	--	--	--	ND	0.014	0.008	--	--	ND	--	ND	0.81	--	ND	--	--
Toluene	0.7	100	--	--	ND	ND	--	0.045 J	ND	--	--	--	ND	ND	0.001 J	--	--	ND	--	ND	ND	--	ND	--	--
Total Xylenes	0.26	100	--	--	ND	0.0016 J	--	3.03	ND	--	--	--	ND	0.2724	0.125	--	--	ND	--	ND	0.3	--	ND	--	--
Total Tentatively Identified Compounds	--	--	--	--	0.0491 J	0.22 J	--	22.6 J	61.9 J	--	--	--	0.0031 J	2.743 J	0.709 J	--	--	0.062 J	--	ND	184 J	--	ND	--	--
Semi-Volatile Organic Compounds (SVOCs) - mg/Kg ³																									
2-Methylnaphthalene	--	--	ND	ND	ND	0.05	0.082 J	1.9	2.4	ND	ND	0.0069 J	ND	--	--	0.0059 J	ND	0.0054 J	0.0064 J	0.0024 J	2.2	ND	ND	--	--
Acenaphthene	20	100	ND	ND	ND	ND	0.23	ND	ND	ND	ND	0.015	ND	--	--	0.026	ND	ND	ND	ND	ND	ND	ND	--	--
Anthracene	100	100	ND	ND	ND	ND	0.54	ND	ND	ND	ND	0.023	ND	--	--	0.046	0.0066 J	ND	0.0036 J	0.013	0.038 J	ND	ND	--	--
Benzo(a)anthracene	1	1	0.34 J	ND	0.0023 J	ND	1.4	0.02 J	ND	0.0058 J	0.0049 J	0.057	ND	--	--	0.068	0.016	0.0073 J	0.02	0.054	0.014 J	ND	ND	--	--
Benzo(a)pyrene	1	1	ND	ND	ND	ND	1.1	0.046	ND	0.0097	0.0099	0.051	ND	--	--	0.046	0.016	0.011	0.016	0.08	ND	ND	ND	--	--
Benzo(b)fluoranthene	1	1	ND	ND	ND	ND	1	0.032 J	ND	0.0066 J	0.0078	0.055	0.061 J	--	--	0.038	0.013	0.01	0.014	0.065	ND	ND	0.36 J	--	--
Benzo(ghi)perylene	100	100	ND	ND	ND	ND	0.86	ND	ND	0.0084	0.0099	0.043	ND	--	--	0.027	0.011	0.0094	0.011	0.069	ND	ND	ND	--	--
Benzo(k)fluoranthene	0.8	1	ND	ND	ND	ND	1	0.013 J	ND	0.0032 J	0.0043 J	0.047	ND	--	--	0.038	0.0086	0.0048 J	0.01	0.057	ND	ND	ND	--	--
Bis(2-ethylhexyl) phthalate	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	ND	ND	ND	ND	ND	0.089 J	ND	ND	--	--
Carbazole	--	--	ND	ND	ND	ND	ND	0.27 J	ND	ND	ND	ND	ND	--	--	ND	ND	ND	ND	ND	ND	ND	ND	--	--
Chrysene	1	1	0.33 J	ND	0.0032 J	ND	1.4	0.02 J	ND	0.0052 J	0.0058 J	0.063	0.046 J	--	--	0.055	0.013	0.011	0.018	0.044	0.013 J	ND	0.35 J	--	--
Dibenzo(a,h)anthracene	0.33	0.33	ND	ND	ND	ND	0.36	ND	ND	ND	ND	0.019	ND	--	--	0.018	0.012	0.012	0.012	0.026	ND	ND	ND	--	--
Dibenzofuran	7	14	ND	ND	ND	ND	0.16 J	ND	ND	ND	ND	ND	ND	--	--	ND	ND	ND	ND	ND	ND	ND	ND	--	--
Fluoranthene	100	100	0.8 J	ND	0.0083	ND	3.5	0.05	0.0098 J	ND	0.012	0.17	0.061 J	--	--	0.14	0.032	0.015	0.018	0.056	0.05	ND	0.83 J	--	--
Fluorene	30	100	ND	ND	ND	ND	0.23	0.012 J	ND	ND	ND	0.014	ND	--	--	0.025	0.0022 J	ND	0.002 J	0.0048 J	0.12	ND	ND	--	--
Indeno(1,2,3-cd)pyrene	0.5	0.5	ND	ND	ND	ND	0.84	ND	ND	0.011	0.012	0.042	ND	--	--	0.03	0.014	0.011	0.012	0.069	ND	ND	ND	--	--
Naphthalene	12	100	ND	ND	ND	0.13	0.083 J	0.68	0.1	ND	ND	0.0088	ND	0.099	0.18	0.0063 J	ND	0.017	0.0041 J	0.0027 J	0.27	ND	ND	--	--
Phenanthrene	100	100	0.48 J	ND	0.0073 J	ND	2.5	0.046	0.017 J	0.0088	0.0065 J	0.14	ND	--	--	0.14	0.023	0.013	0.019	0.038	0.28	ND	0.65 J	--	--
Pyrene	100	100	0.56 J	ND	0.0072 J	ND	2.8	0.041	ND	0.0086	0.0093	0.13	0.053 J	--	--	0.11	0.027	0.012	0.018	0.052	0.041	ND	0.61 J	--	--
Total Tentatively Identified Compounds	--	--	ND	ND	ND	ND	117.5 J	24.45 J	27.62 J	16.2 J	ND	ND	14.35 J	--	--	ND	ND	ND	ND	1.67 J	47.22 J	1.01 J	--	--	--
Total Metals - mg/Kg ³																									
Aluminum	--	--	--	--	6500	6100	8700	--	5300	5800	--	--	--	--	--	--	--	18000	--	4500	--	--	3600	--	--
Antimony	--	--	--	--	1.1 J	ND	0.81 J	--	1.4 J	ND	--	--	--	--	--	--	2.5 J	--	ND	--	--	1.3 J	--	--	
Arsenic	13	16	--	--	2.4	2.1	4.3	--	2.1	2.2	--	--	--	--	--	--	4.8	--	1.7	--	--	3	--	--	
Barium	350	350	--	--	52	46	65	--	35	39	--	--	--	--	--	--	160	--	31	--	--	30	--	--	
Beryllium	7.2	14	--	--	0.29 J	0.28 J	0.6	--	0.25 J	0.27 J	--	--	--	--	--	--	0.74	--	0.22 J	--	--	0.35	--	--	
Cadmium	2.5	2.5	--	--	ND	ND	0.26 J	--	ND	ND	--	--	--	--	--	--	ND	--	ND	--	--	ND	--	--	
Calcium	--	--	--	--	70000	65000	150000	--	62000	68000	--	--	--	--	--	--	4800	--	66000	--	--	190000	--	--	
Chromium	30	36	--	--	8.8	8.4	11	--	7.4	7.9	--	--	--	--	--	--	23	--	7	--	--	6.5	--	--	
Cobalt	--	--	--	--	3.8	4	3.1	--	3.7	3.5	--	--	--	--	--	--	10	--	4.1	--	--	1.7	--	--	
Copper	50	270	--	--	11	10	14	--	9.1	9.8	--	--	--	--	--	--	18	--	8.7	--	--	6.3	--	--	
Iron	--	--	--	--	11000	11000	8500	--	9600	10000	--	--	--	--	--	--	25000	--	9600	--	--	6200	--	--	
Lead	63	400	--	--	9.4	11	56	--	9.8	9.4	--	--	--	--	--	--	18	--	17	--	--	17	--	--	
Magnesium	--	--	--	--	27000	26000	27000	--	25000	27000	--	--	--	--	--	--	5600	--	24000	--	--	53000	--	--	
Manganese	1600	2000	--	--	360	350	520	--	330	340	--	--	--	--	--	--	910	--	290	--	--	730	--	--	
Nickel	30	140	--	--	8.7	8.6	10	--	7.4	8	--	--	--	--	--	--	24	--	6.5	--	--	4.8	--	--	
Potassium	--	--	--	--	1700	1600	1300	--	1500	1500	--	--	--	--	--	--	2300	--	1200	--	--	710	--	--	
Selenium	3.9	36	--	--	0.58 J	0.52 J	0.68 J	--	ND	ND	--	--	--	--	--	--	1.4 J	--	0.54 J	--	--	0.73 J	--	--	
Silver	2	36	--	--	ND	ND	0.14 J	--	ND	ND	--	--	--	--	--	--	0.16 J	--	ND	--	--	0.16 J	--	--	
Sodium	--	--	--	--	440	430	470	--	140 J	280	--	--	--	--	--	--	500	--	450	--	--	160	--	--	
Thallium	--	--	--	--	ND	0.56 J	0.6	--	0.56 J	ND	--	--	--	--	--	--	1.3 J	--	0.66 J	--	--	ND	--	--	
Vanadium	--	--	--	--	15	15	13	--	14	14	--	--	--	--	--	--	33	--	13	--	--	7.2	--	--	
Zinc	109	2200	--	--	58 J	63	100	--	53	52	--	--	--	--	--	--	83	--	50	--	--	33	--	--	
Mercury	0.18	0.81	--	--	0.02	0.02 J	0.04 J	--	0.02 J	0.02 J	--	--	--	--	--	--	0.14	--	0.04 J	--	--	0.02 J	--	--	
Pesticides and Herbicides - mg/Kg ³																									
4,4'-DDD	0.0033	2.6	--	--	ND	ND	ND	--	ND	ND	--	--	--	--	--	--	ND	--	ND	--	--	ND	0.000735 J	ND	
4,4'-DDE	0.0033	1.8	--	--	ND	ND	ND	--	ND	ND	--	--	--	--	--	--	ND	--	ND	--	--	0.0152	0.00284 P	0.00448 P	
4,4'-DDT	0.0033	1.7	--	--	ND	ND	ND	--	ND	ND	--	--	--	--	--	--	ND	--	ND	--	--	ND	0.00501	0.00423	
Chlordane	0.094	0.91	--	--	ND	ND	ND	--	ND	ND	--	--	--	--	--	--	ND	--	ND	--	--	ND	0.0357	0.0336	
cis-Chlordane	--	--	--	--	ND	ND	ND	--	ND	ND	--	--	--	--	--	--	ND	--	ND	--	--	ND	0.00248 P	0.00189 JP	
trans-Chlordane	--	--	--	--	ND	ND	ND	--	ND	ND	--	--	--	--	--	--	ND	--	ND	--	--	ND	0.00449 P	0.00445 P	
Dieldrin	0.005	0.039	--	--	ND	ND	ND	--	ND	ND	--	--	--	--	--	--	ND	--	ND	--	--	ND	0.00237	0.00078 JP	
Heptachlor	0.042	0.42	--	--	0.000683 J	0.000698 J	ND	--	ND	ND	--	--	--	--	--	--	ND	--	ND	--	--	ND	ND		

Notes:

1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detected.
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. Or parameter not analysed for.

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

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

Bold = Result exceeds Unrestricted Use SCO's.

Bold = Result exceeds Residential Use SCO's.



TABLE 3

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

285-295 NIAGARA STREET SITE

BUFFALO, NY

Parameters ¹	Class GA (GWQS) ²	Sample Location and Date				
		MW-1	MW-2 ³	MW-3	MW-4	MW-5
		4/23/12	4/23/12	4/23/12	4/23/12	4/23/12
Volatile Organic Compounds (VOCs) - ug/L						
1,2,4,5-Tetramethylbenzene	--	ND	6.2	ND	ND	ND
1,2,4-Trimethylbenzene	5	ND	3.5	1.1 J	ND	ND
1,3,5-Trimethylbenzene	5	ND	16	ND	ND	ND
1,4-Diethylbenzene	--	ND	9.3	ND	ND	ND
2-Butanone (MEK)	--	2.7 J	4.8	4.8 J	2 J	ND
2-Hexanone	50	2.5 J	ND	6	2.4 J	ND
4-Ethyltoluene	--	ND	20	0.97 J	ND	ND
4-Methyl-2-pentanone	--	ND	ND	1 J	ND	ND
Acetone	50	14	32	17	9.1	ND
Carbon disulfide	60	5.2	3.5 J	5.5	5.2	ND
Ethylbenzene	5	ND	1.4 J	ND	ND	ND
Isopropylbenzene	5	ND	0.7 J	ND	ND	ND
p-Isopropyltoluene	5	ND	1.4 J	ND	ND	ND
n-Propylbenzene	5	ND	1.9 J	ND	ND	ND
Toluene	5	ND	0.7 J	ND	ND	ND
Xylene, Total	5	1.2 J	5.7	ND	ND	ND
Tentatively Identified Compounds (TICs)	--	3.9	148.2	26.4	6	ND
Semivolatile Organic Compounds (SVOCs) - ug/L						
2-Methylnaphthalene	--	0.56	ND	0.68	0.53	ND
Acenaphthene	20	ND	ND	ND	ND	0.09 J
Benzo(a)anthracene	0.002	ND	ND	ND	ND	0.08 J
Benzo(b)fluoranthene	0.002	ND	ND	ND	ND	0.14 J
Chrysene	0.002	ND	ND	ND	ND	0.09 J
Fluoranthene	50	0.05 J	ND	ND	ND	0.21
Fluorene	50	0.14 J	0.06 J	0.18 J	0.2	0.05 J
Naphthalene	10	0.24	ND	0.33	0.21	0.11 J
Phenanthrene	50	0.56	ND	0.59	0.69	0.19
Pyrene	50	ND	ND	ND	ND	0.17 J
Tentatively Identified Compounds (TICs)	--	124.7	275.4	140.1	146.6	10
Dissolved Metals - ug/L						
Aluminum	--	240	40 J	90 J	260	ND
Antimony	3	1.3	1.4	1.1	1.5	1.1
Barium	1000	23	27	13	30	22
Calcium	--	69000	120000	83000	98000	71000
Cobalt	--	48	63	14 J	13 J	ND
Iron	300	1700	300	140	400	60
Magnesium	35000	18000	30000	15000	38000	37000
Manganese	300	413	700	389	426	29
Nickel	100	81	106	31	27	ND
Potassium	--	1500 J	3600	3400	16000	5000
Selenium	10	7 J	ND	10	ND	ND
Sodium	20000	130000	310000	280000	91000	200000
Thallium	--	ND	0.05	ND	0.04	ND
Zinc	2000	127	137	20 J	19 J	10 J
Pesticides - ug/L						
trans-Chlordane	--	0.031 P	0.007 J	ND	0.042 P	--

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 TOGS 1.1.1 Class GA Groundwater Quality Standards.
- MW-2 was removed during IRM excavation activities.

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, however due to obvious column interferences the lower of the two results is reported.

BOLD

= Result exceeds GWQS.



TABLE 4

SUMMARY OF GROUNDWATER ELEVATIONS

285-295 NIAGARA STREET SITE

BUFFALO, NEW YORK

Location	TOR Elevation (fmsl)	DTGW (fbTOR)	Groundwater Elevation (fmsl)
MW-01	497.83	6.73	491.10
MW-02	498.64	6.39	492.25
MW-03	497.69	6.60	491.09
MW-04	498.96	5.56	493.40
MW-05	500.01	8.00	492.01

Notes:

1. Fmsl = feet above mean sea level.
2. DTGW = field measured Depth To Ground Water
3. fbTOR = feet below Top of Riser
4. TOR = top of riser
5. Depth to groundwater per April 23rd, 2012 sample event.



TABLE 5
SUMMARY OF SUB-SLAB VAPOR INVESTIGATION ANALYTICAL RESULTS
285-295 NIAGARA STREET SITE
BUFFALO, NEW YORK

Sample Location	Trichloroethene (TCE)		Carbon Tetrachloride		Vinyl Chloride		Tetrachloroethene (PCE)		1,1-Dichloroethene		cis-1,2-Dichloroethene		1,1,1 -Trichloroethane	
	Lab Reported Concentration (ug/m ³)	Soil Vapor / Indoor Air Matrix 1	Lab Reported Concentration (ug/m ³)	Soil Vapor / Indoor Air Matrix 1	Lab Reported Concentration (ug/m ³)	Soil Vapor / Indoor Air Matrix 1	Lab Reported Concentration (ug/m ³)	Soil Vapor / Indoor Air Matrix 2	Lab Reported Concentration (ug/m ³)	Soil Vapor / Indoor Air Matrix 2	Lab Reported Concentration (ug/m ³)	Soil Vapor / Indoor Air Matrix 2	Lab Reported Concentration (ug/m ³)	Soil Vapor / Indoor Air Matrix 2
SSV - 1	ND		ND		ND		2.85		ND		ND		ND	
Interior - 1	ND	NFA	0.402	I,R	ND	NFA	0.827	NFA	ND	NFA	ND	NFA	ND	NFA
SSV - 2	4.82		ND		ND		2.03		ND		ND		ND	
Interior - 2	ND	NFA	0.384	I,R	ND	NFA	0.644	NFA	ND	NFA	ND	NFA	ND	NFA
Outdoor ambient	ND		0.459		ND		0.38		ND		ND		ND	

Notes:

ND = Not Detected

NFA = No further action.

I, R = Take reasonable and practical actions to identify source(s) and reduce exposures.

Samples taken during April 2012 SSV investigation.



TABLE 6

SUMMARY OF POST EXCAVATION SOIL ANALYTICAL RESULTS

285-295 NIAGARA STREET SITE

BUFFALO, NY

Parameter ¹	Unrestricted Use SCOs ²	Residential Use SCOs ²	Sample Locations														
			On-Site														
			SW-1	SW-3	SW-4	SW-5	SW-6	SW-7	SW-8 ⁴	SW-11	SW-12	SW-13	SW-14	SW-15	SW-16	SW-17	SW-18
			12/27/12	12/27/12	12/27/12	12/31/12	12/31/12	12/31/12	01/02/13	01/02/13	01/02/13	01/02/13	01/02/13	01/03/13	01/07/13	01/07/13	01/08/13
Volatile Organic Compounds (VOCs) - mg/Kg ³																	
1,2,4,5-Tetramethylbenzene	--	--	0.00026 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00038 J	0.0012 J	0.00036 J
1,2,4-Trimethylbenzene	3.6	47	ND	ND	ND	0.00083 J	ND	ND	ND	ND	ND	ND	ND	ND	0.0027 J	ND	ND
1,3,5-Trimethylbenzene	8.4	47	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Diethylbenzene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00064 J	0.00059 J	ND
2-Butanone (MEK)	0.12	100	0.0082 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0046 J	ND
4-Ethyltoluene	--	--	0.0012 J	ND	ND	0.00049 J	ND	ND	ND	ND	ND	ND	ND	ND	0.0011 J	ND	ND
Acetone	0.05	100	0.02 J	ND	ND	U	ND	ND	ND	ND	ND	U	ND	ND	ND	ND	0.015
Ethylbenzene	1	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene (Cumene)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	0.05	51	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	U	U	ND
Naphthalene	12	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0014 J	ND	ND
n-Butylbenzene	12	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	3.9	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Cymene (p-isopropyltoluene)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	11	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	0.7	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylene	0.26	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00082 J	ND	ND
Tentatively Identified Compounds	--	--	ND	ND	0.005 J	ND	ND	ND	ND	ND	ND	0.0184 NJ	ND	ND	ND	0.005 J	0.01 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 6NYCRR Part 375 Soil Cleanup Objectives (December 2006).
3. Sample results were reported by the laboratory in ug/kg and converted to mg/kg for comparison to SCOs.
4. Sample SW-8 was also analysed for SVOCs; all reported as non-detect.

Definitions:

ND = Parameter not detected above laboratory detection limit.

"--" = Sample not analyzed for parameter or no SCO available for the parameter.

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

U = The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.

BOLD	= Result exceeds Part 375 Unrestricted Use SCOs.
BOLD	= Result exceeds Part 375 Residential Use SCOs.



TABLE 6

SUMMARY OF POST EXCAVATION SOIL ANALYTICAL RESULTS

285-295 NIAGARA STREET SITE

BUFFALO, NY

Parameter ¹	Unrestricted Use SCOs ²	Residential Use SCOs ²	Sample Locations														
			On-Site									Off-Site					
			SW-19	SW-23	SW-25	SW-27	SW-29	SW-31	SW-32	SW-34	SW-35	SW-2	SW-22	SW-24	SW-26	SW-30 ⁴	SW-33
			01/07/13	01/09/13	01/09/13	01/09/13	01/10/13	01/10/13	01/10/13	01/16/13	01/16/13	12/27/12	01/09/13	01/09/13	01/09/13	01/10/13	01/16/13
Volatile Organic Compounds (VOCs) - mg/Kg ³																	
1,2,4,5-Tetramethylbenzene	--	--	ND	ND	0.00073 J	ND	0.00028 J	ND	ND	0.0012 J	ND	7.5	1.1	0.029	ND	0.004 J	0.0096
1,2,4-Trimethylbenzene	3.6	47	ND	0.0011 J	0.007	0.001 J	0.00065 J	0.0022 J	ND	0.0049 J	ND	59	6.9	0.091	0.0026 J	0.022	0.0082
1,3,5-Trimethylbenzene	8.4	47	ND	ND	0.0022 J	ND	ND	ND	ND	0.0016 J	ND	17	2.2	0.036	0.0015 J	0.0027 J	0.0032 NJ
1,4-Diethylbenzene	--	--	ND	ND	ND	ND	0.00043 J	ND	ND	0.0024 J	ND	21	2.8	0.047	0.0014 J	0.0023 J	0.011
2-Butanone (MEK)	0.12	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0013 J	ND
4-Ethyltoluene	--	--	ND	0.0016 J	0.0042 J	0.00088 J	0.00059 J	ND	ND	0.0026 J	ND	40	4.8	0.064	0.0031 J	ND	0.0074
Acetone	0.05	100	ND	ND	ND	ND	0.0046 J	ND	ND	ND	ND	ND	ND	0.01 J	0.0079 J	ND	ND
Benzene	0.06	2.9	ND	ND	ND	ND	ND	0.00043 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	1	30	ND	0.002	0.00074 J	ND	ND	0.0011 J	ND	0.00033 J	ND	9.1	0.5	0.012	ND	0.0043	ND
Isopropylbenzene (Cumene)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2	0.16	0.0016	ND	0.00054 J	0.00031 J
Methylene chloride	0.05	51	U	ND	ND	U	0.0028 J	ND	ND	U	U	ND	ND	U	U	U	U
Naphthalene	12	100	ND	ND	0.0021	ND	ND	ND	ND	ND	ND	7.1	0.89	0.045	ND	ND	ND
n-Butylbenzene	12	100	ND	ND	ND	ND	ND	ND	ND	0.00052 J	ND	2.9	0.45	0.0059	ND	0.00085 J	0.0034 NJ
n-Propylbenzene	3.9	100	ND	ND	ND	ND	ND	ND	ND	0.00059 J	ND	6.6	0.92	0.009	ND	0.0035	0.00360
p-Cymene (p-isopropyltoluene)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.46 NJ	0.064	0.0015	ND	ND	ND
sec-Butylbenzene	11	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.84	0.12	0.0017 NJ	ND	ND	0.00066 J
Toluene	0.7	100	ND	0.0022 NJ	ND	ND	ND	ND	0.0003 J	ND	ND	9.4	0.072 J	ND	ND	0.0011 J	ND
Total Xylene	0.26	100	ND	0.012 NJ	0.0065 J	ND	0.00058 J	0.0017 J	0.00055 J	0.00081 J	ND	71	4.96 J	0.046	0.00079 J	0.0082 J	ND
Tentatively Identified Compounds	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	174 NJ	45.2 NJ	0.674 NJ	0.012 NJ	0.0619 J	0.0997 NJ

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 (December 2006).
3. Sample results were reported by the laboratory in ug/kg and converted to mg/kg for comparison to SCO's.
4. Sample SW-30 was also analysed for SVOCs; all reported as non-detect.

Definitions:

ND = Parameter not detected above laboratory detection limit.
"--" = Sample not analyzed for parameter or no SCO available for the parameter.
J = Estimated value; result is less than the sample quantitation limit but greater than zero.
NJ = The detection is tentative in identification and estimated in value.
U = The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.

BOLD	= Result exceeds Part 375 Unrestricted Use SCO's.
BOLD	= Result exceeds Part 375 Residential Use SCO's.



TABLE 6

SUMMARY OF POST EXCAVATION SOIL ANALYTICAL RESULTS

285-295 NIAGARA STREET SITE

BUFFALO, NY

Parameter ¹	Unrestricted Use SCOs ²	Residential Use SCOs ²	Sample Locations												
			On-Site												
			Bottom 1	Bottom 2	Bottom 3 ⁴	Bottom 4	Bottom 5	Bottom 6	Bottom 7	Bottom 8	Bottom 9	Bottom 10	Bottom 11	Bottom 12	Bottom 13
			12/27/12	01/02/13	01/02/13	01/02/13	01/03/13	01/07/13	01/08/13	01/09/13	01/09/13	01/09/13	01/10/13	01/10/13	01/16/13
Volatile Organic Compounds (VOCs) - mg/Kg ³															
1,2,3-Trichloropropane	--	--	ND	ND	ND	0.0057 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-Tetramethylbenzene	--	--	ND	0.18 J	ND	0.03	0.009	ND	ND	ND	0.005	ND	0.0064	ND	0.0012 J
1,2,4-Trimethylbenzene	3.6	47	ND	1.7	ND	0.26	0.13	ND	ND	0.0022 J	ND	ND	0.0074	ND	ND
1,3,5-Trimethylbenzene	8.4	47	ND	0.54	ND	0.15	0.1 NJ	ND	ND	0.00074 J	ND	ND	0.036	ND	ND
1,4-Diethylbenzene	--	--	ND	0.42	ND	0.064	0.02	ND	ND	ND	ND	ND	0.0014 J	ND	0.00061 J
2-Hexanone	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0019 J	ND	ND
4-Ethyltoluene	--	--	ND	1.1	ND	0.12	0.092	ND	ND	0.0014 J	ND	ND	0.06	ND	ND
Acetone	0.05	100	ND	ND	ND	ND	ND	ND	0.0054 J	ND	ND	ND	0.018	ND	0.014
Benzene	0.06	2.9	ND	ND	ND	0.014 NJ	0.0088	0.23	0.016	ND	ND	ND	0.0021	0.0012	ND
Ethylbenzene	1	30	ND	0.039 J	ND	0.16	0.19	ND	ND	ND	ND	ND	0.009	ND	ND
Isopropylbenzene (Cumene)	--	--	ND	ND	ND	0.013	0.0081	ND	ND	ND	ND	ND	0.0041	ND	ND
Methylene chloride	0.05	51	ND	ND	ND	ND	ND	U	ND	ND	ND	U	U	ND	U
Naphthalene	12	100	ND	0.29	ND	0.15	0.12	ND	ND	0.0023 J	ND	ND	0.017	ND	ND
n-Butylbenzene	12	100	ND	0.07	ND	ND	0.0016 NJ	ND	ND	ND	0.00084 J	ND	ND	ND	ND
n-Propylbenzene	3.9	100	ND	0.22	ND	0.06	0.038	ND	ND	ND	ND	ND	0.0045	ND	ND
o-Chlorotoluene	--	--	ND	0.066 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Cymene (p-isopropyltoluene)	--	--	ND	ND	ND	0.0014	0.00078 J	ND	ND	ND	ND	ND	0.00073 J	ND	ND
sec-Butylbenzene	11	100	ND	ND	ND	0.0026	0.00086 NJ	ND	ND	ND	ND	ND	0.00034 J	ND	0.00046 J
Toluene	0.7	100	ND	ND	ND	0.18	0.006	ND	ND	ND	ND	ND	0.0044	ND	ND
Total Xylene	0.26	100	ND	0.19	ND	0.301	0.1623	0.0012 J	ND	0.0011 J	ND	ND	0.0533	ND	ND
Tentatively Identified Compounds	--	--	ND	7.13 NJ	ND	1.359 NJ	1.11 NJ	ND	ND	0.369	0.1733 NJ	ND	0.612	0.013 NJ	ND

Notes:

1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. Values per 6NYCRR Part 375 Soil Cleanup Objectives (December 2006).
3. Sample results were reported by the laboratory in ug/kg and converted to mg/kg for comparison to SCOs.
4. Sample Bottom 3 was also analysed for SVOCs; all reported as non-detect.

Definitions:

ND = Parameter not detected above laboratory detection limit.
 "--" = Sample not analyzed for parameter or no SCO available for the parameter.
 J = Estimated value; result is less than the sample quantitation limit but greater than zero.
 NJ = The detection is tentative in identification and estimated in value.
 U = The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.

BOLD	= Result exceeds Part 375 Unrestricted Use SCOs.
BOLD	= Result exceeds Part 375 Residential Use SCOs.



TABLE 7

SUMMARY OF BACKFILL SOIL ANALYTICAL RESULTS

285-295 NIAGARA STREET SITE

BUFFALO, NY

Parameter ¹	Unrestricted Use SCOs ²	Residential Use SCOs ²	Sample Location				
			Soil Reuse Grab 1	Soil Reuse Grab 2	Soil Reuse Grab 3	Soil Reuse Comp 1	Battaglia Recycled Concrete
			1/8/2012	1/8/2012	1/8/2012	1/8/2012	
Volatile Organic Compounds (VOCs) - mg/Kg ³							
1,2,4,5-Tetramethylbenzene	--	--	0.0051	0.00035 J	0.00065 J	--	ND
1,2,4-Trimethylbenzene	3.6	47	0.022	0.00085 J	ND	--	ND
1,3,5-Trimethylbenzene	8.4	47	0.0067	ND	ND	--	ND
1,4-Diethylbenzene	--	--	0.01	0.00056 J	ND	--	ND
4-Ethyltoluene	--	--	0.0092	0.00032 J	0.00034 J	--	ND
Acetone	0.05	100	ND	ND	ND	--	0.0094 J
Ethylbenzene	1	30	0.0016	ND	ND	--	ND
Methylene chloride	0.05	51	ND	U	ND	--	0.0051 J
Naphthalene	12	100	0.0077	ND	0.0012 J	--	ND
n-Butylbenzene	12	100	0.0011	ND	ND	--	ND
n-Propylbenzene	3.9	100	0.0022	ND	ND	--	ND
Total Xylene	0.26	100	0.0021 J	ND	ND	--	ND
Semi-Volatile Organic Compounds (SVOCs) - mg/Kg ³							
Anthracene	100	100	--	--	--	0.038 J	0.26 J
Benzo(a)anthracene	1	1	--	--	--	0.065 J	0.64 J
Benzo(a)pyrene	1	1	--	--	--	0.058 J	0.61 J
Benzo(b)fluoranthene	1	1	--	--	--	0.07 J	0.8 J
Benzo(k)fluoranthene	0.8	1	--	--	--	0.038 J	0.31 J
Chrysene	1	1	--	--	--	0.063 J	0.76 J
Fluoranthene	100	100	--	--	--	0.16	1.7
Phenanthrene	100	100	--	--	--	0.15	1 J
Pyrene	100	100	--	--	--	0.13	1.3
Total Metals (mg/kg)							
Aluminum	--	--	--	--	--	9400	7300
Antimony	--	--	--	--	--	1.1 J	1.5 J
Arsenic	13	16	--	--	--	2.1	5.6
Barium	350	350	--	--	--	65	82
Beryllium	7.2	14	--	--	--	0.41 J	0.42 J
Cadmium	2.5	2.5	--	--	--	0.08 J	0.31 J
Calcium	--	--	--	--	--	65000	130000
Chromium	30	36	--	--	--	13 J	20
Cobalt	--	--	--	--	--	4.3	3.7
Copper	50	270	--	--	--	12 J	33
Iron	--	--	--	--	--	13000	10000
Lead	63	400	--	--	--	11 J	110
Magnesium	--	--	--	--	--	20000	19000
Manganese	1600	2000	--	--	--	310	350
Nickel	30	140	--	--	--	11 J	11
Potassium	--	--	--	--	--	2500 J	1400
Selenium	3.9	36	--	--	--	0.38 J	0.48 J
Silver	2	36	--	--	--	ND	0.14 J
Sodium	--	--	--	--	--	380 J	540
Vanadium	--	--	--	--	--	18 J	14
Zinc	109	2200	--	--	--	60 J	99
Mercury	0.18	0.81	--	--	--	0.03 J	0.05 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 (December 2006)
- Sample results were reported by the laboratory in ug/kg and converted to mg/kg for comparison to SCOs.
- Samples 'Soil Reuse Comp 1' and 'Battaglia Recycling Source' were also analyzed for PCBs, pesticides, and herbicides; all parameters reported as non-detect.

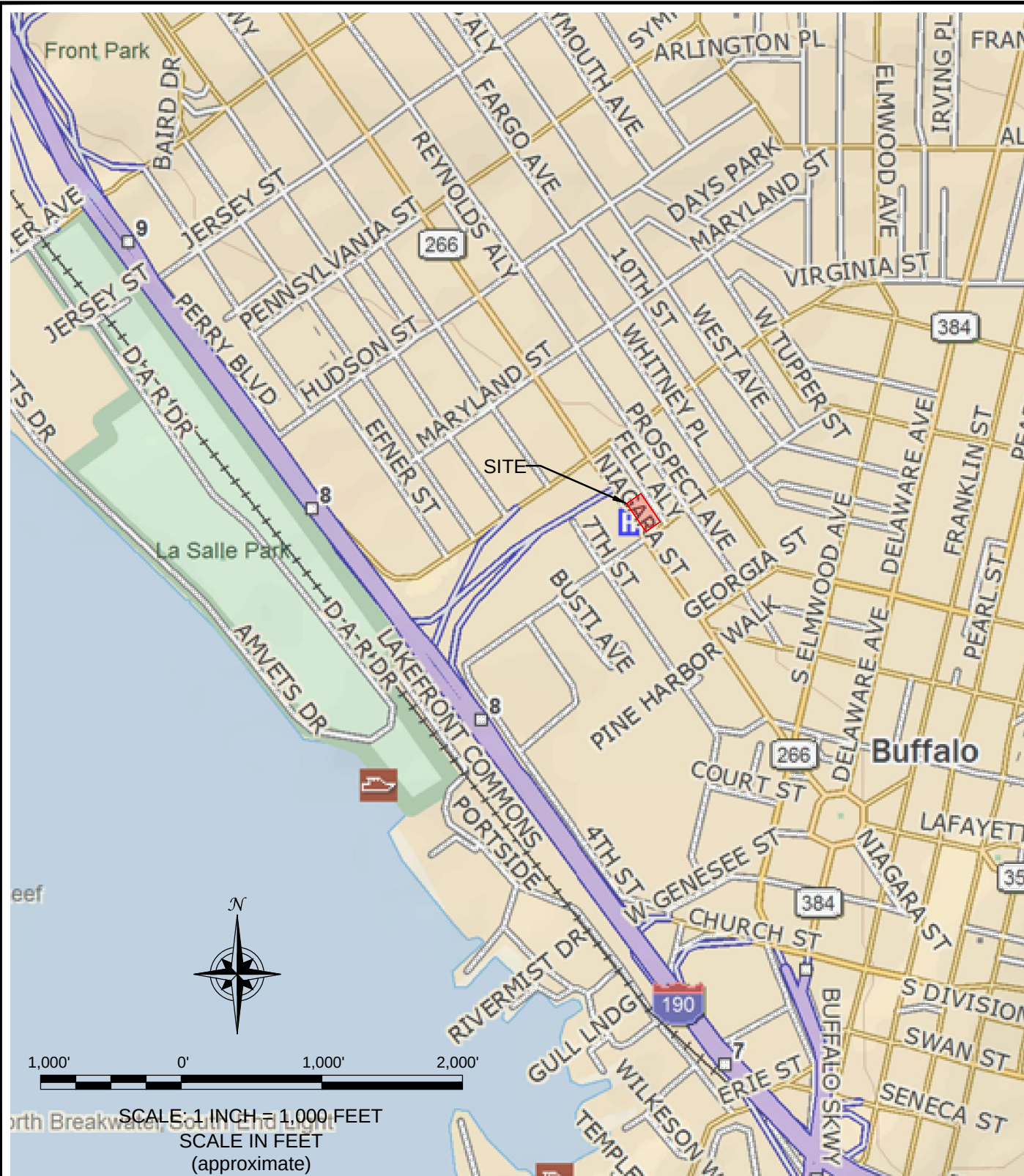
Definitions:

ND = Parameter not detected above laboratory detection limit.
 "--" = Sample not analyzed for parameter or no SCO available for the parameter.
 J = Estimated value; result is less than the sample quantitation limit but greater than zero.
 U = The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.

BOLD	= Result exceeds Part 375 Unrestricted Use SCO.
BOLD	= Result exceeds Part 375 Residential Use SCO.

FIGURES

FIGURE 1



SITE LOCATION AND VICINITY MAP

RI/IRM/AA REPORT
285-295 NIAGARA STREET SITE

BUFFALO, NEW YORK
PREPARED FOR
285 NIAGARA OPERATING CO., LLC

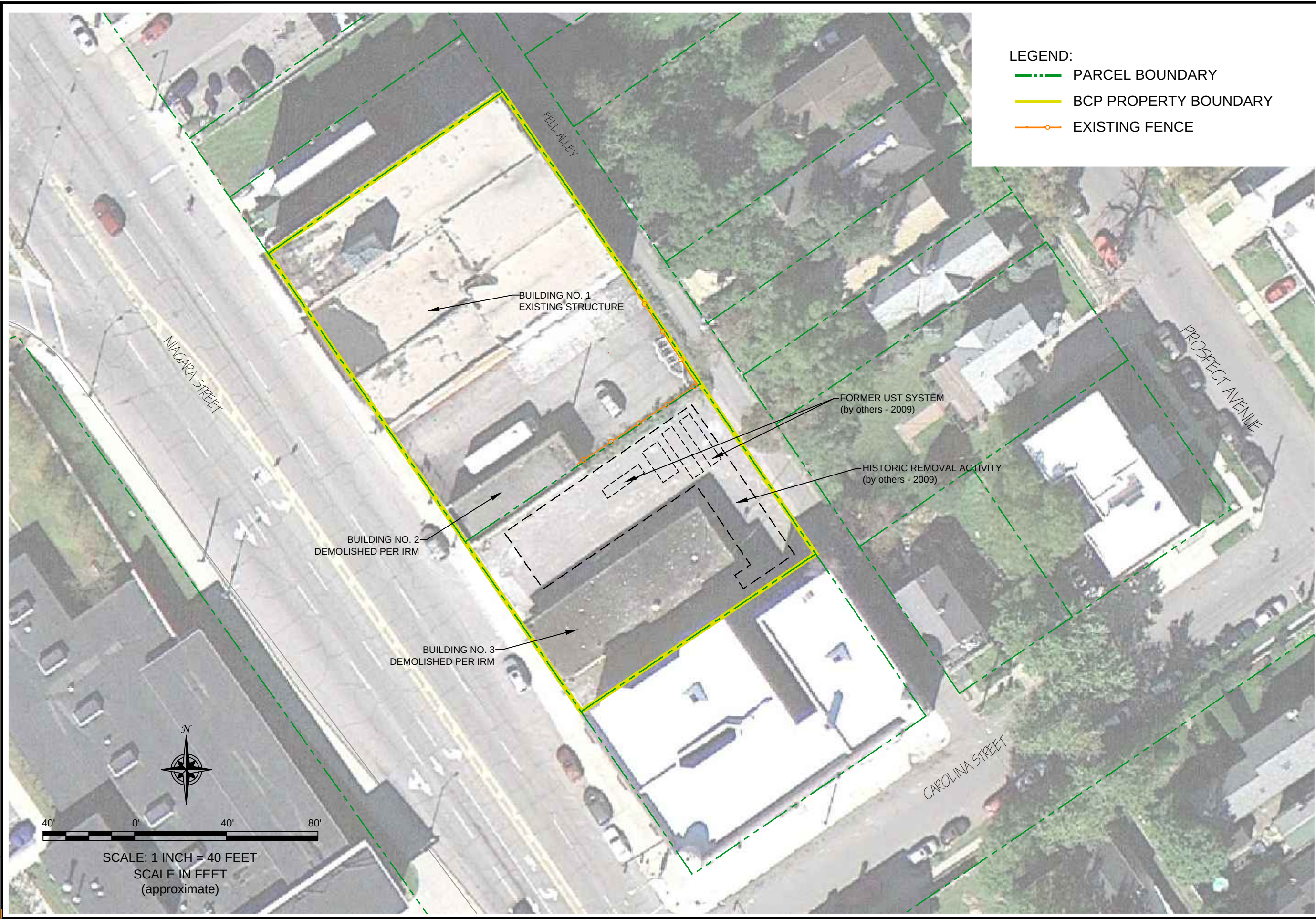


2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0635

PROJECT NO.: 0236-001-102

DATE: JANUARY 2013

DRAFTED BY: JGT



SITE PLAN (AERIAL)

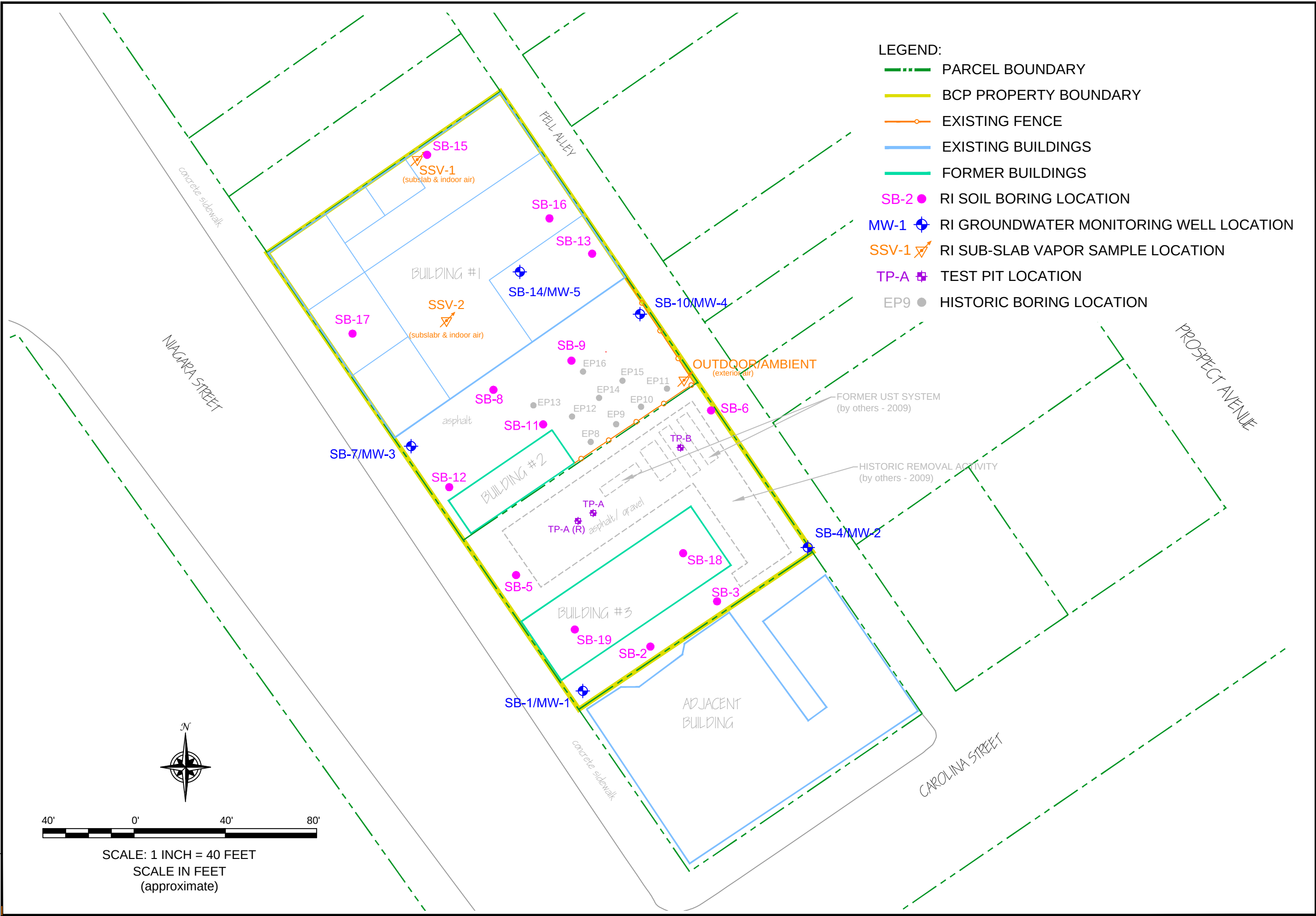
RI/IRM/AA REPORT
285-295 NIAGARA STREET SITE
BUFFALO, NEW YORK
PREPARED FOR
285 NIAGARA OPERATING CO., LLC



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

JOB NO.: 0236-001-102

FIGURE 2



REMEDIAL INVESTIGATION SAMPLE LOCATIONS

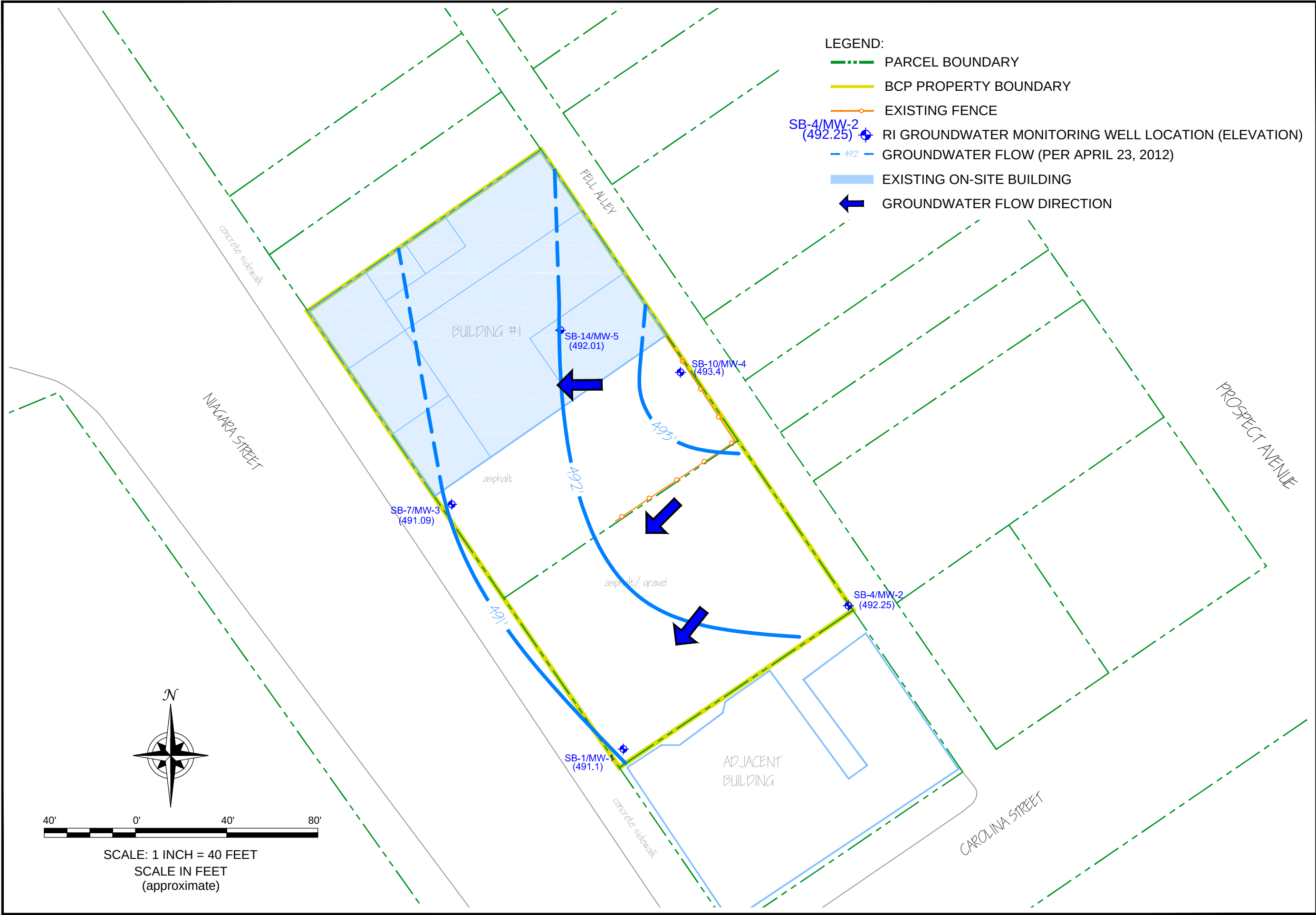
RI/IRM/AA REPORT
285-295 NIAGARA STREET SITE
BUFFALO, NEW YORK
PREPARED FOR
285 NIAGARA OPERATING CO., LLC

FIGURE 3



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

JOB NO.: 0236-001-102



GROUNDWATER ISOPOTENTIAL MAP

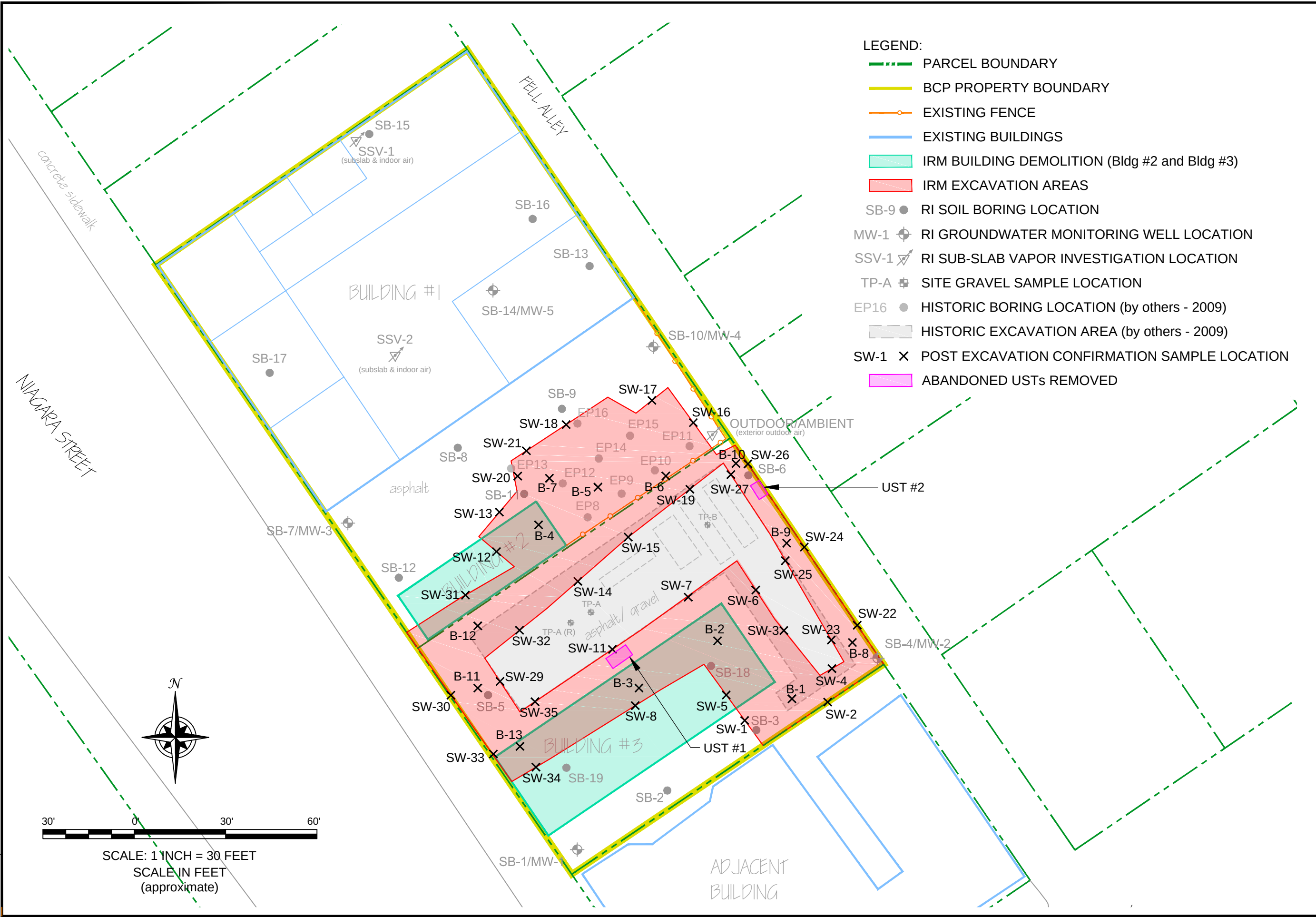
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2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0635

JOB NO.: 0236-001-102

FIGURE 4



IRM ACTIVITIES

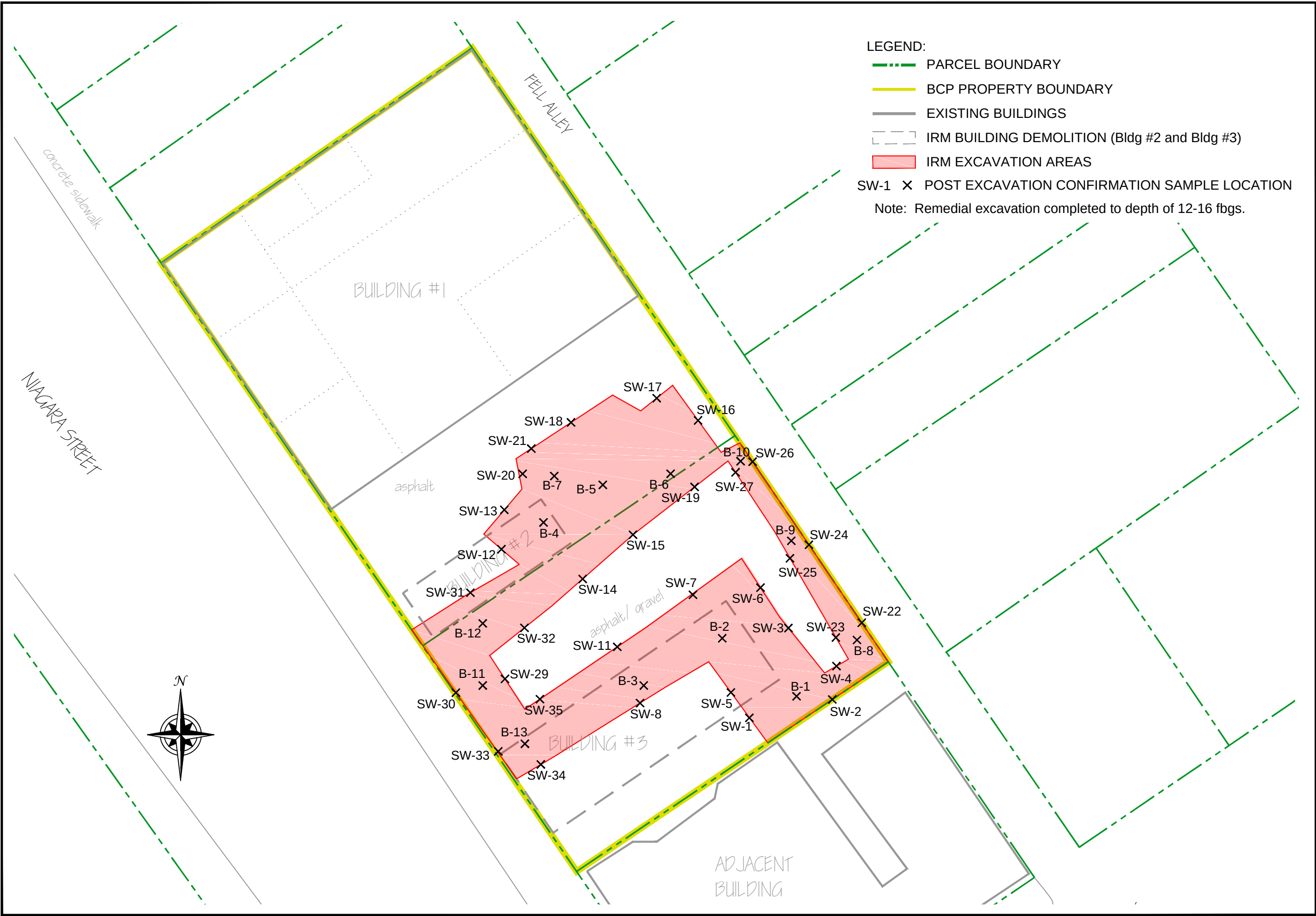
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2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0635

JOB NO.: 0236-001-102

FIGURE 5



REMEDIAL EXCAVATION LIMITS (RECORD DRAWING)

RI/IRM/AA REPORT
285-295 NIAGARA STREET SITE
BUFFALO, NEW YORK
PREPARED FOR
285 NIAGARA OPERATING CO., LLC



2858 HAMBURG TURNPIKE
STATE ST
BUFFALO, NY 14218
(716) 865-0835



2858 HAMBURG TURNPIKE
STATE ST
BUFFALO, NY 14218
(716) 865-0835

JOB NO.: 0236-001-102

FIGURE 6

APPENDIX A

PROJECT PHOTOLOG

SITE PHOTOGRAPHS

Photo 1:



Photo 2:



Photo 3:



Photo 4:



- Photo 1: RI – Building No.3: Former Car Wash – south Site boundary – (Looking northeast).
- Photo 2: RI – Building No.3: Former Car Wash – (Looking north).
- Photo 3: RI – Former UST system area – Building No. 3(left); Building No.2 (right) – (Looking west).
- Photo 4: RI – Building No.1 – (Looking north).

285-295 Niagara Street Site
BCP Site No. C915259
Buffalo, New York



SITE PHOTOGRAPHS

Photo 5:



Photo 6:



Photo 7:



Photo 8:



Photo 5: RI – Building No.1 – Interior – (Looking west).

Photo 6: RI – Building No.1 – Basement – Interior.

Photo 7: RI – Building No.1 – Sump – Interior.

Photo 8: RI – Building No.1 – Pit – Interior.

285-295 Niagara Street Site
BCP Site No. C915259
Buffalo, New York



SITE PHOTOGRAPHS

Photo 9:



Photo 10:



Photo 11:



Photo 12:



Photo 9: RI – Building No.1 – Pit – Interior.

Photo 10: RI – Building No.1 – Maintenance materials – Interior.

Photo 11: RI – Building No.3 – Soil Boring No.18 – Building Interior.

Photo 12: RI – Building No.3 – Building Interior.

285-295 Niagara Street Site
BCP Site No. C915259
Buffalo, New York



SITE PHOTOGRAPHS

Photo 13:



Photo 14:



Photo 15:



Photo 16:



Photo 13: RI – Building No.3 – Plastic drums.

Photo 14: RI – Building No.3 –Interior pit.

Photo 15: IRM – Building No.1 demolition – (looking east).

Photo 16: IRM – Building demolition – (looking north).

285-295 Niagara Street Site
BCP Site No. C915259
Buffalo, New York



SITE PHOTOGRAPHS

Photo 17:



Photo 18:



Photo 19:



Photo 20:



Photo 17: IRM – Building demolition debris – (looking northwest).

Photo 18: IRM – Dust suppression – During demolition activities.

Photo 19: IRM – Air monitoring – During demolition activities.

Photo 20: IRM – Post demolition – Site condition (looking west).

285-295 Niagara Street Site
BCP Site No. C915259
Buffalo, New York



SITE PHOTOGRAPHS

Photo 21:



Photo 22:



Photo 23:



Photo 24:



Photo 21: IRM – Post demolition – Site condition (looking northwest).

Photo 22: IRM – Excavation work (looking south).

Photo 23: IRM – Excavation work (looking north).

Photo 24: IRM – Excavation area (looking north).

285-295 Niagara Street Site
BCP Site No. C915259
Buffalo, New York



SITE PHOTOGRAPHS

Photo 25:



Photo 26:



Photo 27:



Photo 28:



Photo 25: IRM – UST 1 removal – Under former Building No. 3.

Photo 26: IRM – UST 2 removal – Near eastern Site boundary, along Fell Alley.

Photo 27: IRM – Excavation area along southwest border of the Site.

Photo 28: IRM – Excavation of soils south of Building No. 1.

285-295 Niagara Street Site
BCP Site No. C915259
Buffalo, New York



SITE PHOTOGRAPHS

Photo 29:



Photo 30:



Photo 31:



Photo 32:



Photo 29: IRM – Excavation backfill and compaction.

Photo 30: IRM – Excavation backfill and compaction (looking south)

Photo 31: IRM – Temporary on-Site water storage.

Photo 32: IRM – Site grading (post-backfilling).

285-295 Niagara Street Site
BCP Site No. C915259
Buffalo, New York



APPENDIX B

FIELD BOREHOLE LOGS AND WELL COMPLETION DETAILS

Project No: 0236-001-102

Borehole Number: SB-01 / MW-01

Project: Remedial Investigation

A.K.A.:

Client: 285 Niagara Operating Co., LLC

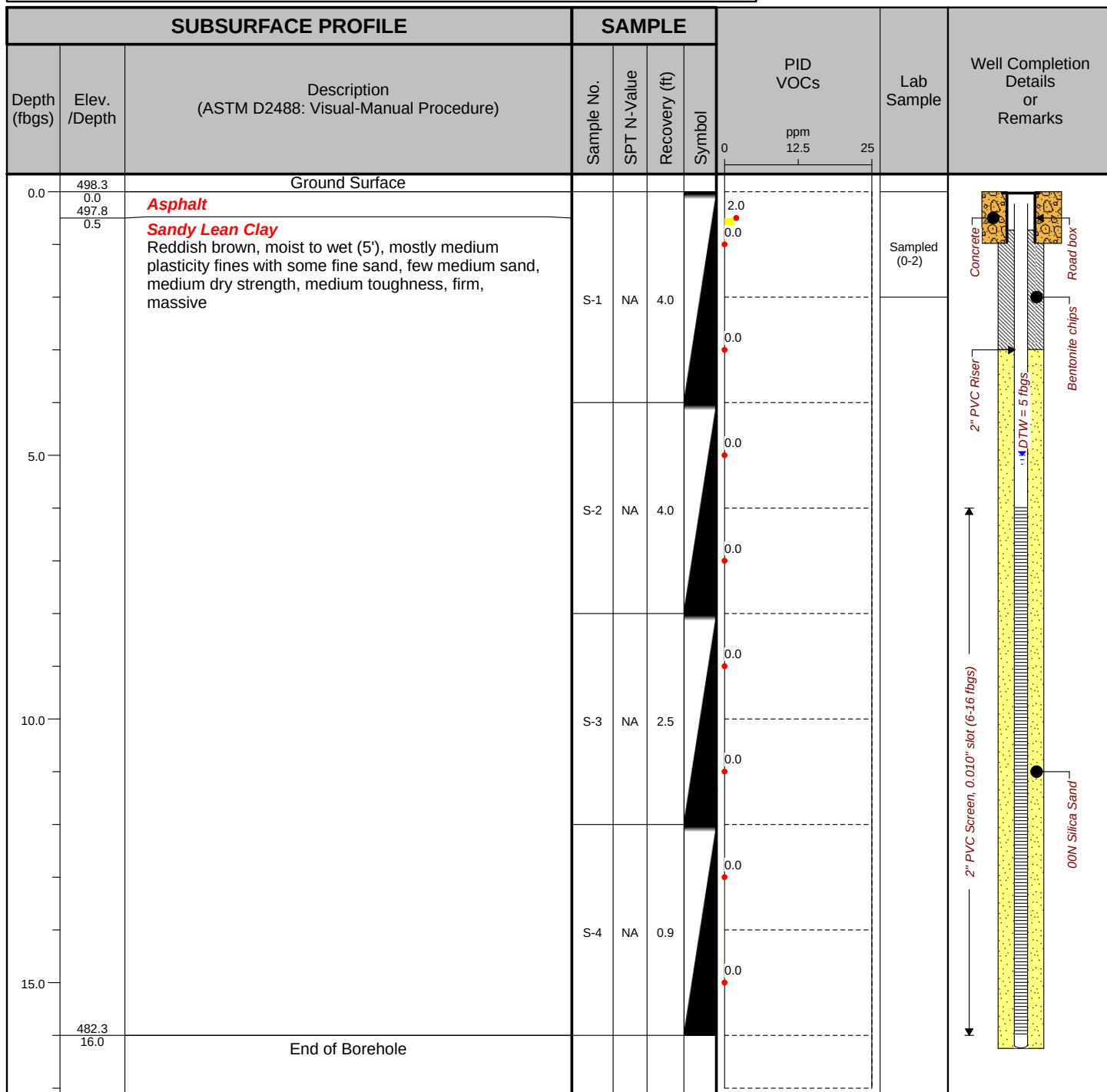
Logged By: PWW

Site Location: 285-295 Niagara St

Checked By: BCH



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



Drilled By: TREC Environmental Inc.

Drill Rig Type: 540 UT Truck Mounted Geoprobe Rig

Drill Method: Direct Push with 4' macrocore

Comments:

Drill Date(s): 4/16/12

Hole Size: 2"

Stick-up: Flush mount

Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0236-001-102

Borehole Number: SB-02

Project: Remedial Investigation

A.K.A.:

Client: 285 Niagara Operating Co., LLC

Logged By: PWW

Site Location: 285-295 Niagara St

Checked By: BCH



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	0.0	Ground Surface					0.0		
	0.0	Asphalt with Slag Sub-base					0.0		
	-1.5						0.0		
	1.5	Sandy Lean Clay Reddish brown, moist to wet (5'), mostly medium plasticity fines with some fine sand, few medium sand, medium dry strength, medium toughness, firm, massive	S-1	NA	3.2		0.0		
5.0							0.0	Sampled (3-5)	
			S-2	NA	4.0		0.0		
10.0							0.0		
			S-3	NA	3.1		0.0		
							0.0		
			S-4	NA	2.9		0.0		
15.0							0.0		
	-16.0						0.0		
	16.0	End of Borehole							
20.0									

Drilled By: TREC Environmental Inc.

Drill Rig Type: 540 UT Truck Mounted Geoprobe Rig

Drill Method: Direct Push with 4' macrocore

Comments:

Drill Date(s): 4/16/12

Hole Size: 2"

Stick-up: Flush mount

Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0236-001-102

Borehole Number: SB-03

Project: Remedial Investigation

A.K.A.:

Client: 285 Niagara Operating Co., LLC

Logged By: PWW

Site Location: 285-295 Niagara St

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		
	0.0	Asphalt with Slag Sub-base					0.0		
	-2.0		S-1	NA	3.0		4.7		
	2.0	Sandy Lean Clay Reddish brown, moist to wet (5'), mostly medium plasticity fines with some fine sand, few medium sand, firm, massive, medium dry strength, medium toughness, no visual impacts, no odor					11.4		
5.0			S-2	NA	3.0		20.0	Sampled (5-7)	
							3.4		
10.0			S-3	NA	3.0		0.0		
							0.0		
			S-4	NA	1.0		0.0		
15.0							0.0		
	-16.0								
	16.0	End of Borehole							
20.0									

Drilled By: TREC Environmental Inc.

Drill Rig Type: 540 UT Truck Mounted Geoprobe Rig

Drill Method: Direct Push with 4' macrocore

Comments:

Drill Date(s): 4/16/12

Hole Size: 2"

Stick-up: Flush mount

Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0236-001-102

Borehole Number: SB-04 / MW-02

Project: Remedial Investigation

A.K.A.:

Client: 285 Niagara Operating Co., LLC

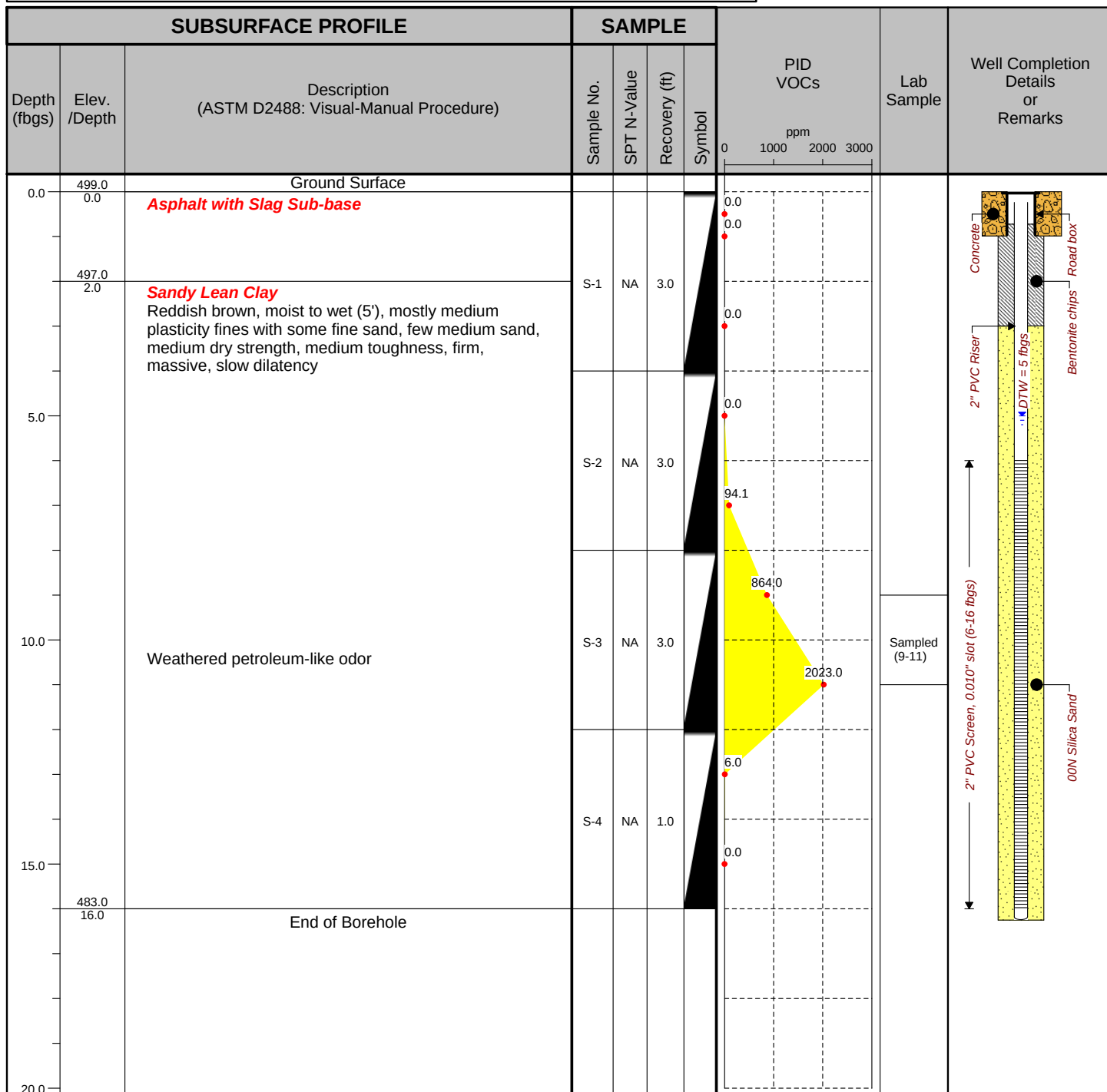
Logged By: PWW

Site Location: 285-295 Niagara St

Checked By: BCH



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Drilled By: TREC Environmental Inc.

Drill Rig Type: 540 UT Truck Mounted Geoprobe Rig

Drill Method: Direct Push with 4' macrocore

Comments:

Drill Date(s): 4/16/12

Hole Size: 2"

Stick-up: Flush mount

Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0236-001-102

Borehole Number: SB-05

Project: Remedial Investigation

A.K.A.:

Client: 285 Niagara Operating Co., LLC

Logged By: PWW

Site Location: 285-295 Niagara St

Checked By: BCH



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SUBSURFACE PROFILE			SAMPLE				PID VOCs ppm 1000 2000	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	Fill Grey, moist, mostly broken concrete, slag and brick with some non-plastic fines, low toughness, low dry strength, loose when disturbed	S-1	NA	3.0		0.0	Sampled (0-4)	
5.0			S-2	NA	3.0		0.0		
	-8.5	Sandy Lean Clay Reddish brown, moist to wet (5'), mostly medium plasticity fines with some fine sand, few medium sand, medium dry strength, medium toughness, firm, massive, weathered petroleum-like odor at fill/clay interface	S-3	NA	3.0		1008.0	Sampled (7-9)	
10.0	8.5		S-4	NA	1.0		72.0		
15.0							0.0		
	-16.0	End of Borehole					0.0		
20.0	16.0								

Drilled By: TREC Environmental Inc.

Drill Rig Type: 540 UT Truck Mounted Geoprobe Rig

Drill Method: Direct Push with 4' macrocore

Comments:

Drill Date(s): 4/16/12

Hole Size: 2"

Stick-up: Flush mount

Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0236-001-102

Borehole Number: SB-06

Project: Remedial Investigation

A.K.A.:

Client: 285 Niagara Operating Co., LLC

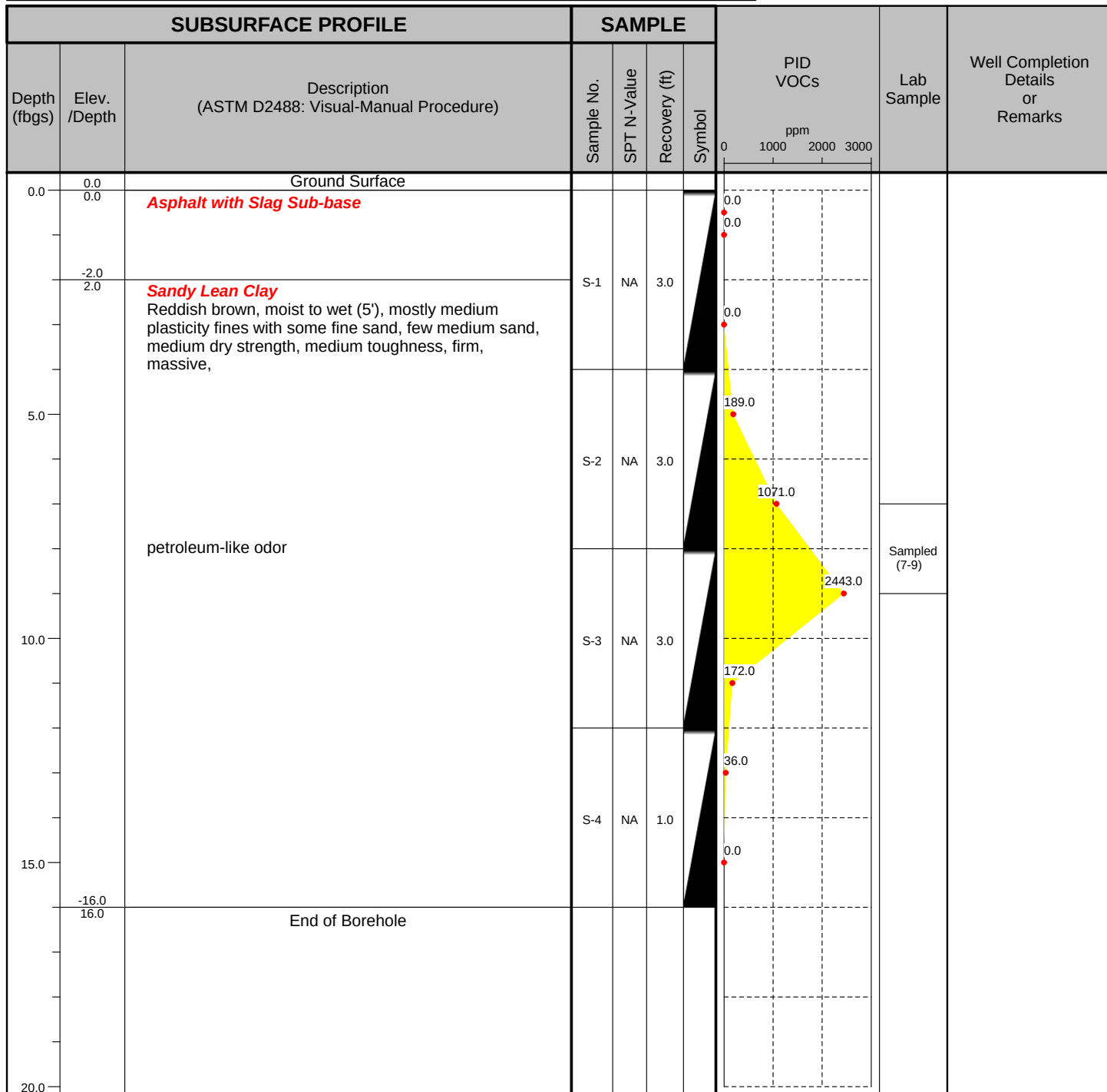
Logged By: PWW

Site Location: 285-295 Niagara St

Checked By: BCH



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Drilled By: TREC Environmental Inc.

Drill Rig Type: 540 UT Truck Mounted Geoprobe Rig

Drill Method: Direct Push with 4' macrocore

Comments:

Drill Date(s): 4/16/12

Hole Size: 2"

Stick-up: Flush mount

Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0236-001-102

Borehole Number: SB-07 / MW-03

Project: Remedial Investigation

A.K.A.:

Client: 285 Niagara Operating Co., LLC

Logged By: PWW

Site Location: 285-295 Niagara St

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	498.2 0.0	Fill Grey, moist, mostly asphalt, brick and concrete with some non-plastic fines, low dry strength, low toughness	S-1	NA	1.7		0.0		
5.0	493.7 4.5	Sandy Lean Clay Reddish brown, moist to wet (5'), mostly medium plasticity fines with some fine sand, few medium sand, medium dry strength, medium toughness, firm, massive, slow dilatency	S-2	NA	4.0		0.0		
10.0			S-3	NA	3.9		0.0		
15.0			S-4	NA	1.0		0.0		
16.0	482.2 16.0	End of Borehole					0.0		
20.0									

Drilled By: TREC Environmental Inc.

Drill Rig Type: 540 UT Truck Mounted Geoprobe Rig

Drill Method: Direct Push with 4' macrocore

Comments:

Drill Date(s): 4/16/12

Hole Size: 2"

Stick-up: Flush mount

Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0236-001-102

Borehole Number: SB-08

Project: Remedial Investigation

A.K.A.:

Client: 285 Niagara Operating Co., LLC

Logged By: PWW

Site Location: 285-295 Niagara St

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 0.0	Ground Surface							
		Fill Grey, moist, mostly asphalt, brick and concrete with some non-plastic fines, low dry strength, low toughness	S-1	NA	4.0		0.0		
	-2.5 2.5	Sandy Lean Clay Reddish brown, moist to wet (5'), mostly medium plasticity fines with some fine sand, few medium sand, medium dry strength, medium toughness, firm, massive					0.0		
5.0			S-2	NA	4.0		0.0	Sampled (3-5)	
							0.0		
10.0			S-3	NA	3.6		0.0		
							0.0		
			S-4	NA	1.0		0.0		
15.0							0.0		
	-16.0 16.0	End of Borehole							
20.0									

Drilled By: TREC Environmental Inc.

Drill Rig Type: 540 UT Truck Mounted Geoprobe Rig

Drill Method: Direct Push with 4' macrocore

Comments:

Drill Date(s): 4/16/12

Hole Size: 2"

Stick-up: Flush mount

Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0236-001-102

Borehole Number: SB-09

Project: Remedial Investigation

A.K.A.:

Client: 285 Niagara Operating Co., LLC

Logged By: PWW

Site Location: 285-295 Niagara St

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 0.0	Ground Surface							
		Fill Grey, moist, mostly asphalt, brick and concrete with some non-plastic fines, low dry strength, low toughness	S-1	NA	4.0		0.0		
	-2.5 2.5	Sandy Lean Clay Reddish brown, moist to wet (5'), mostly medium plasticity fines with some fine sand, few medium sand, medium dry strength, medium toughness, firm, massive					0.0		
5.0			S-2	NA	4.0		0.0		
							0.0		
10.0			S-3	NA	3.0		0.0		
							0.0	Sampled (10-12)	
			S-4	NA	1.0		0.0		
15.0							0.0		
	-16.0 16.0	End of Borehole							
20.0									

Drilled By: TREC Environmental Inc.

Drill Rig Type: 540 UT Truck Mounted Geoprobe Rig

Drill Method: Direct Push with 4' macrocore

Comments:

Drill Date(s): 4/16/12

Hole Size: 2"

Stick-up: Flush mount

Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0236-001-102

Borehole Number: SB-10 / MW-4

Project: Remedial Investigation

A.K.A.:

Client: 285 Niagara Operating Co., LLC

Logged By: PWW

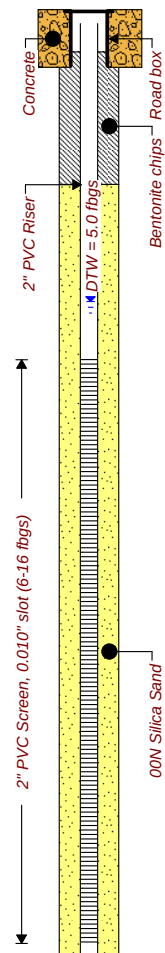
Site Location: 285-295 Niagara St

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	499.5 0.0	Ground Surface							
		Fill Grey, moist, mostly asphalt, brick and concrete with some non-plastic fines, low dry strength, low toughness						Sampled	
	497.5 2.0	Sandy Lean Clay Reddish brown, moist to wet (5'), mostly medium plasticity fines with some fine sand, few medium sand, medium dry strength, medium toughness, firm, massive	S-1	NA	4.0				
5.0			S-2	NA	4.0				
10.0			S-3	NA	4.0				
15.0			S-4	NA	1.0				
	483.5 16.0	End of Borehole							
20.0									



Drilled By: TREC Environmental Inc.

Drill Rig Type: 540 UT Truck Mounted Geoprobe Rig

Drill Method: Direct Push with 4' macrocore

Comments:

Drill Date(s): 4/16/12

Hole Size: 2"

Stick-up: Flush mount

Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0236-001-102

Borehole Number: SB-11

Project: Remedial Investigation

A.K.A.:

Client: 285 Niagara Operating Co., LLC

Logged By: PWW

Site Location: 285-295 Niagara St

Checked By: BCH



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SUBSURFACE PROFILE			SAMPLE				PID VOCs ppm 500 1000	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							
		Fill Grey, moist, mostly asphalt, brick and concrete with some non-plastic fines, low dry strength, low toughness					0.0 0.0 0.0		
	-2.0 2.0	Sandy Lean Clay Reddish brown, moist to wet (5'), mostly medium plasticity fines with some fine sand, few medium sand, medium dry strength, medium toughness, firm, massive	S-1	NA	4.0		0.0		
5.0							0.0		
			S-2	NA	4.0		0.0		
							5.5		
		Petroleum-like odor					590.0	Sampled (7-9)	
10.0			S-3	NA	3.7		200.0		
							200.0		
			S-4	NA	1.0		10.1		
15.0							0.0	Sampled (14-15)	
	-16.0 16.0	End of Borehole							
20.0									

Drilled By: TREC Environmental Inc.

Drill Rig Type: 540 UT Truck Mounted Geoprobe Rig

Drill Method: Direct Push with 4' macrocore

Comments:

Drill Date(s): 4/17/12

Hole Size: 2"

Stick-up: Flush mount

Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0236-001-102

Borehole Number: SB-12

Project: Remedial Investigation

A.K.A.:

Client: 285 Niagara Operating Co., LLC

Logged By: PWW

Site Location: 285-295 Niagara St

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							
		Fill Grey, moist, mostly asphalt, brick and concrete with some non-plastic fines, low dry strength, low toughness					0.0		
	-2.0	Sandy Lean Clay Reddish brown, moist to wet (5'), mostly medium plasticity fines with some fine sand, few medium sand, medium dry strength, medium toughness, firm, massive	S-1	NA	4.0		0.0		
5.0	2.0						0.0		
			S-2	NA	3.8		0.0		
							0.0		
10.0			S-3	NA	3.9		0.0		
							0.0		
			S-4	NA	1.4		0.0		
							0.0		
15.0							0.0		
	-16.0	End of Borehole							
	16.0								
20.0									

Drilled By: TREC Environmental Inc.

Drill Rig Type: 540 UT Truck Mounted Geoprobe Rig

Drill Method: Direct Push with 4' macrocore

Comments:

Drill Date(s): 4/17/12

Hole Size: 2"

Stick-up: Flush mount

Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0236-001-102

Borehole Number: SB-13

Project: Remedial Investigation

A.K.A.:

Client: 285 Niagara Operating Co., LLC

Logged By: PWW

Site Location: 285-295 Niagara St

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	Fill Grey, moist, mostly asphalt, brick and concrete with some non-plastic fines, low dry strength, low toughness					0.0		
	-1.0	Sandy Lean Clay Reddish brown, moist to wet (5'), mostly medium plasticity fines with some fine sand, few medium sand, medium dry strength, medium toughness, firm, massive	S-1	NA	4.0		0.0	Sampled (1-3)	
	1.0						0.0		
							0.0		
5.0			S-2	NA	4.0		0.0		
							0.0		
							0.0		
10.0			S-3	NA	4.0		0.0		
							0.0		
							0.0		
			S-4	NA	4.0		0.0		
							0.0		
15.0							0.0		
	-16.0	End of Borehole							
	16.0								
20.0									

Drilled By: TREC Environmental Inc.

Drill Rig Type: 540 UT Truck Mounted Geoprobe Rig

Drill Method: Direct Push with 4' macrocore

Comments:

Drill Date(s): 4/17/12

Hole Size: 2"

Stick-up: Flush mount

Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0236-001-102

Borehole Number: SB-14 / MW-5

Project: Remedial Investigation

A.K.A.:

Client: 285 Niagara Operating Co., LLC

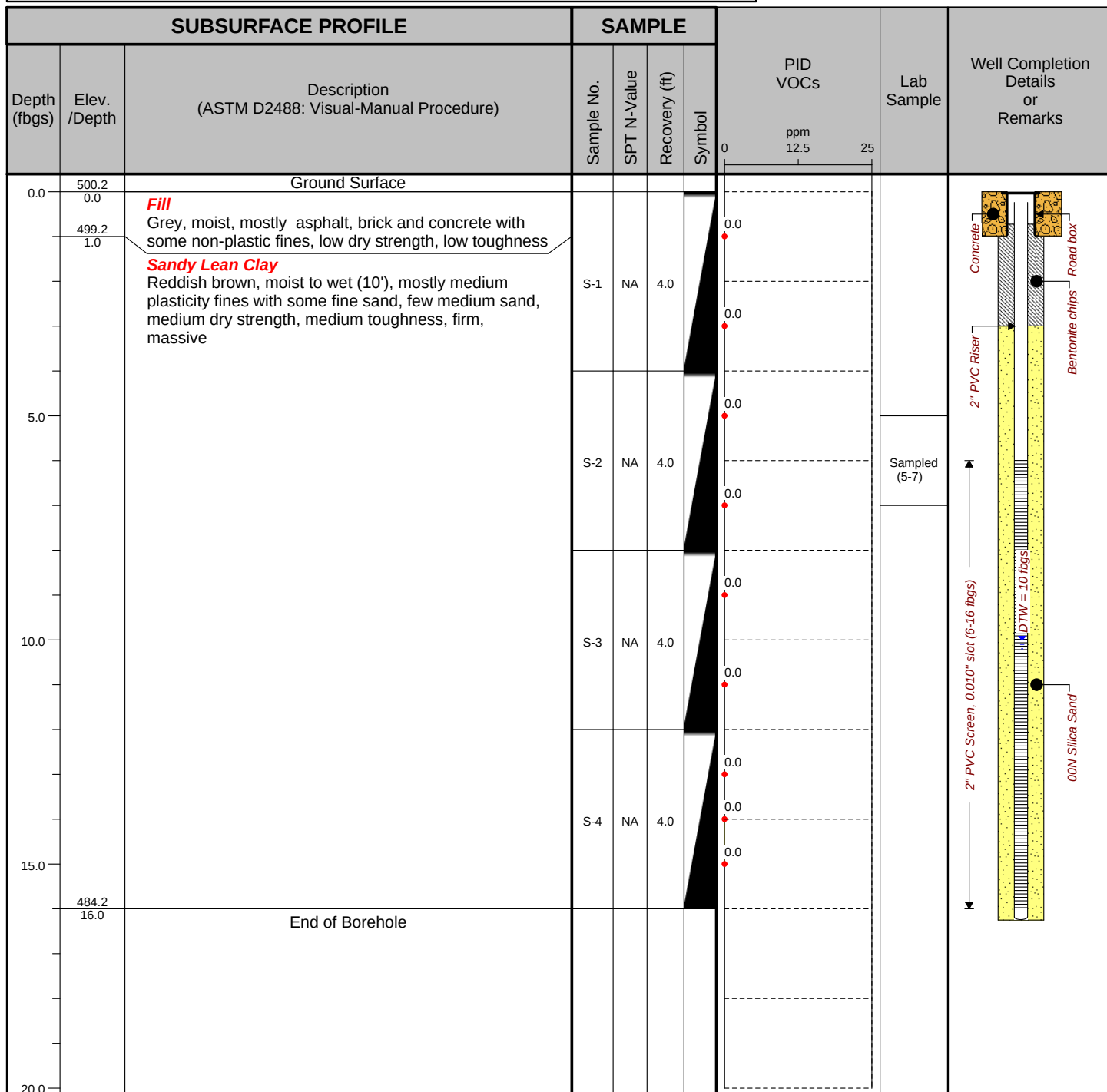
Logged By: PWW

Site Location: 285-295 Niagara St

Checked By: BCH



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Drilled By: TREC Environmental Inc.

Drill Rig Type: 540 UT Truck Mounted Geoprobe Rig

Drill Method: Direct Push with 4' macrocore

Comments:

Drill Date(s): 4/17/12

Hole Size: 2"

Stick-up: Flush mount

Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0236-001-102

Borehole Number: SB-15

Project: Remedial Investigation

A.K.A.:

Client: 285 Niagara Operating Co., LLC

Logged By: PWW

Site Location: 285-295 Niagara St

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 0.0	Ground Surface							
		Sandy Lean Clay Reddish brown, moist to wet (5'), mostly medium plasticity fines with some fine sand, few medium sand, medium dry strength, medium toughness, firm, massive	S-1	NA	2.0		0.0	Sampled (0-2)	
	-2.0 2.0	End of Borehole							
5.0									
10.0									
15.0									
20.0									

Drilled By: TREC Environmental Inc.

Drill Rig Type: None

Drill Method: Hand Auger

Comments: Near surface, only beneath cored concrete floor

Drill Date(s): 4/17/12

Hole Size: 2"

Stick-up: Flush mount

Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0236-001-102

Borehole Number: SB-16

Project: Remedial Investigation

A.K.A.:

Client: 285 Niagara Operating Co., LLC

Logged By: PWW

Site Location: 285-295 Niagara St

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 0.0	Ground Surface							
		Sandy Lean Clay Reddish brown, moist to wet (5'), mostly medium plasticity fines with some fine sand, few medium sand, medium dry strength, medium toughness, firm, massive	S-1	NA	2		0.0	Sampled (0-2)	
	-2.0 2.0	End of Borehole							
5.0									
10.0									
15.0									
20.0									

Drilled By: TREC Environmental Inc.

Drill Rig Type: None

Drill Method: Hand Auger

Comments: Near surface, only beneath cored concrete floor

Drill Date(s): 4/17/12

Hole Size: 2"

Stick-up: Flush mount

Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0236-001-102

Borehole Number: SB-17

Project: Remedial Investigation

A.K.A.:

Client: 285 Niagara Operating Co., LLC

Logged By: PWV

Site Location: 285-295 Niagara St

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 0.0	Ground Surface							
		Sandy Lean Clay Reddish brown, moist to wet (5'), mostly medium plasticity fines with some fine sand, few medium sand, medium dry strength, medium toughness, firm, massive	S-1	NA	2	●	0.0	Sampled (0-2)	
	-2.0 2.0	End of Borehole							
5.0									
10.0									
15.0									
20.0									

Drilled By: TREC Environmental Inc.

Drill Rig Type: None

Drill Method: Hand Auger

Comments: Near surface, only beneath cored concrete

Drill Date(s): 4/17/12

Hole Size: 2"

Stick-up: Flush mount

Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0236-001-102

Borehole Number: SB-18

Project: Remedial Investigation

A.K.A.:

Client: 285 Niagara Operating Co., LLC

Logged By: PWW

Site Location: 285-295 Niagara St

Checked By: BCH



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SUBSURFACE PROFILE			SAMPLE				PID VOCs ppm 250 500	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 with Slag Sub-base							
	-2.0 2.0	Sandy Lean Clay Reddish brown, moist to wet (5'), mostly medium plasticity fines with some fine sand, few medium sand, medium dry strength, medium toughness, firm, massive	S-1	NA	3.0				
5.0		petroleum like odor	S-2	NA	3.0		189.0		
			S-3	NA	3.0		486.0	Sampled (7-9)	
10.0			S-4	NA	1.0		400.0		
							59.0		
							36.0		
15.0							1.4		
	-16.0 16.0	End of Borehole							
20.0									

Drilled By: TREC Environmental Inc.

Drill Rig Type: 540 UT Truck Mounted Geoprobe Rig

Drill Method: Direct Push with 4' macrocore

Comments:

Drill Date(s): 4/17/12

Hole Size: 2"

Stick-up: Flush mount

Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0236-001-102

Borehole Number: SB-19

Project: Remedial Investigation

A.K.A.:

Client: 285 Niagara Operating Co., LLC

Logged By: PWW

Site Location: 285-295 Niagara St

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		
	0.0	Asphalt with Slag Sub-base					0.0		
	-2.0 2.0	Sandy Lean Clay Reddish brown, moist to wet (5'), mostly medium plasticity fines with some fine sand, few medium sand, medium dry strength, medium toughness, firm, massive	S-1	NA	3.0		0.0		
5.0			S-2	NA	3.0		0.0		
							0.0	Sampled (7-9)	
10.0			S-3	NA	3.0		0.0		
							0.0		
			S-4	NA	1.0		0.0		
15.0							0.0		
	-16.0 16.0	End of Borehole							
20.0									

Drilled By: TREC Environmental Inc.

Drill Rig Type: 540 UT Truck Mounted Geoprobe Rig

Drill Method: Direct Push with 4' macrocore

Comments:

Drill Date(s): 4/17/12

Hole Size: 2"

Stick-up: Flush mount

Datum: Mean Sea Level

Sheet: 1 of 1

APPENDIX C

LABORATORY ANALYTICAL DATA

(PROVIDED ELECTRONICALLY ON ENCLOSED CD)



ANALYTICAL REPORT

Lab Number:	L1206819
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Mike Lesakowski
Phone:	(716) 856-0599
Project Name:	285-295 NIAGARA ST SITE
Project Number:	0236-001-101
Report Date:	04/26/12

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

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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



Project Name: 285-295 NIAGARA ST SITE
Project Number: 0236-001-101

Lab Number: L1206819
Report Date: 04/26/12

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1206819-01	SB-01 (0-2)	285-295 NIAGARA ST.	04/16/12 09:00
L1206819-02	SB-02 (3-5)	285-295 NIAGARA ST.	04/16/12 09:15
L1206819-03	SB-03 (5-7)	285-295 NIAGARA ST.	04/16/12 10:00
L1206819-04	BLIND DUP	285-295 NIAGARA ST.	04/16/12 08:00
L1206819-05	SB-04 (9-11')	285-295 NIAGARA ST.	04/16/12 10:30
L1206819-06	SB-05 (0-4)	285-295 NIAGARA ST.	04/16/12 11:29
L1206819-07	SB-05 (7-9)	285-295 NIAGARA ST.	04/16/12 11:29
L1206819-08	SB-06 (7-9')	285-295 NIAGARA ST.	04/16/12 12:00
L1206819-09	SB-07 (5-7)	285-295 NIAGARA ST.	04/16/12 13:30
L1206819-10	SB-08 (3-5)	285-295 NIAGARA ST.	04/16/12 14:00
L1206819-11	SB-09 (10-12)	285-295 NIAGARA ST.	04/16/12 14:20
L1206819-12	SB-10 (0-1)	285-295 NIAGARA ST.	04/16/12 15:00
L1206819-13	SB-11 (7-9)	285-295 NIAGARA ST.	04/17/12 09:30
L1206819-14	SB-11 (14-15)	285-295 NIAGARA ST.	04/17/12 09:30
L1206819-15	SB-13 (1-3)	285-295 NIAGARA ST.	04/17/12 10:45
L1206819-16	SB-14 (5-7)	285-295 NIAGARA ST.	04/17/12 12:30
L1206819-17	SB-15 (0-2)	285-295 NIAGARA ST.	04/17/12 13:30
L1206819-18	SB-18 (7-9)	285-295 NIAGARA ST.	04/17/12 14:45
L1206819-19	SB-16 (0-2)	285-295 NIAGARA ST.	04/17/12 16:30
L1206819-20	SB-17 (0-2)	285-295 NIAGARA ST.	04/17/12 17:00
L1206819-21	SB-19 (3-5)	285-295 NIAGARA ST.	04/17/12 15:30

Project Name: 285-295 NIAGARA ST SITE
Project Number: 0236-001-101

Lab Number: L1206819
Report Date: 04/26/12

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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.

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

Report Submission

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

Project Name: 285-295 NIAGARA ST SITE
Project Number: 0236-001-101

Lab Number: L1206819
Report Date: 04/26/12

Case Narrative (continued)

Volatile Organics

L1206819-08 has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

Semivolatile Organics-SIM

L1206819-01, -06 and -12 have elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

The surrogate recoveries for L1206819-01, -06 and -12 are below the acceptance criteria for 2-Fluorophenol, Phenol-d6, Nitrobenzene-d5, 2-Fluorobiphenyl and 4-Terphenyl-d14 (all at 0%) due to the dilutions required to quantitate the samples. Re-extraction was not required; therefore, the results of the original analyses are reported.

The WG530723-4/-5 MS/MSD, associated with L1206819-06, was not analyzed because the dilution required by the elevated concentrations of non-target compounds present in the sample to be utilized for the MS/MSD would have caused the spike compounds to be diluted below the range of calibration.

Semivolatile Organics

L1206819-01, -06 and -12 have elevated detection limits due to the dilutions required by the elevated concentrations of non-target compounds in the samples.

The WG530722-4 MS recoveries, performed on L1206819-06, were below the acceptance criteria for 3,3'-Dichlorobenzidine (23%) and 2-Nitrophenol (27%); however, the associated LCS/LCSD recoveries were within criteria.

The WG530722-4/-5 MS recoveries, performed on L1206819-06, were below the acceptance criteria for Hexachlorocyclopentadiene and 2,4-Dinitrophenol (all at 0%); however, the associated LCS/LCSD recoveries were within criteria.

The WG530722-4/-5 MS/MSD RPDs, performed on L1206819-06, are above the acceptance criteria for 2,4-Dimethylphenol (51%), 2-Nitrophenol (51%) and Benzyl Alcohol (54%).

Project Name: 285-295 NIAGARA ST SITE
Project Number: 0236-001-101

Lab Number: L1206819
Report Date: 04/26/12

Case Narrative (continued)

Organochlorine Pesticides

L1206819-06 has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

The surrogate recoveries for L1206819-06 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

The WG531361 MS/MSD, performed on L1206819-06, was not analyzed because the dilution required by the elevated concentrations of non-target compounds present in the sample to be utilized for the MS/MSD would have caused the spike compounds to be diluted below the range of calibration.

Metals

L1206819-03 through -06, -08, -09, -17 and -20 have elevated detection limits for all analytes, with the exception of Mercury, due to the dilution required by the sample matrix.

L1206819-03 through -06, -08, -09 and -20 have elevated detection limits for Calcium due to the dilutions required to quantitate the results within the calibration range.

The WG530588-3 MS recovery, performed on L1206819-06, is above the acceptance criteria for Mercury (134%) . A post digestion spike was performed with an acceptable recovery of 105%.

The WG530901-3/-4 MS/MSD recoveries for Aluminum (267%/0%), Calcium (7490%/0%), Iron (1600%/0%), Magnesium (1280%/0%) and Manganese (406%/0%), performed on L1206819-06, do not apply because the sample concentrations are greater than four times the spike amount added.

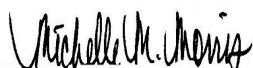
The WG530901-3/-4 MS/MSD recoveries, performed on L1206819-06, are outside the acceptance criteria for Antimony (43%/40%), Potassium (MS at 171%) and Sodium (MS at 132%). A post digestion spike was performed with acceptable recoveries for Antimony (86%), Potassium (123%) and Sodium (118%).

The WG530901-3/-4 MS/MSD recoveries, performed on L1206819-06, are below the acceptance criteria for Zinc (43%/25%). A post digestion spike was performed with an unacceptable recovery of 74%. This has been attributed to sample matrix.

The WG530901-3/-4 MS/MSD RPDs, performed on L1206819-06, are above the acceptance criteria for Calcium (44%) and Magnesium (36%).

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

Authorized Signature:

 Michelle M. Morris

Title: Technical Director/Representative

Date: 04/26/12

ORGANICS

VOLATILES

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-03

Date Collected: 04/16/12 10:00

Client ID: SB-03 (5-7)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Matrix: Soil

Analytical Method: 1,8260B

Analytical Date: 04/20/12 17:24

Analyst: JL

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	29	2.4	1
1,1-Dichloroethane	ND		ug/kg	4.4	0.86	1
Chloroform	ND		ug/kg	4.4	0.94	1
Carbon tetrachloride	ND		ug/kg	2.9	0.61	1
1,2-Dichloropropane	ND		ug/kg	10	0.74	1
Dibromochloromethane	ND		ug/kg	2.9	0.89	1
1,1,2-Trichloroethane	ND		ug/kg	4.4	1.1	1
Tetrachloroethene	ND		ug/kg	2.9	0.89	1
Chlorobenzene	ND		ug/kg	2.9	0.54	1
Trichlorofluoromethane	ND		ug/kg	14	1.1	1
1,2-Dichloroethane	ND		ug/kg	2.9	0.66	1
1,1,1-Trichloroethane	ND		ug/kg	2.9	0.78	1
Bromodichloromethane	ND		ug/kg	2.9	1.1	1
trans-1,3-Dichloropropene	ND		ug/kg	2.9	0.87	1
cis-1,3-Dichloropropene	ND		ug/kg	2.9	0.78	1
1,1-Dichloropropene	ND		ug/kg	14	1.3	1
Bromoform	ND		ug/kg	12	1.4	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.9	0.70	1
Benzene	ND		ug/kg	2.9	0.86	1
Toluene	ND		ug/kg	4.4	0.70	1
Ethylbenzene	ND		ug/kg	2.9	0.64	1
Chloromethane	ND		ug/kg	14	2.3	1
Bromomethane	ND		ug/kg	5.8	1.9	1
Vinyl chloride	ND		ug/kg	5.8	2.2	1
Chloroethane	ND		ug/kg	5.8	1.3	1
1,1-Dichloroethene	ND		ug/kg	2.9	0.76	1
trans-1,2-Dichloroethene	ND		ug/kg	4.4	1.1	1
Trichloroethene	ND		ug/kg	2.9	0.65	1
1,2-Dichlorobenzene	ND		ug/kg	14	1.0	1
1,3-Dichlorobenzene	ND		ug/kg	14	1.2	1
1,4-Dichlorobenzene	ND		ug/kg	14	1.2	1

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-03

Date Collected: 04/16/12 10:00

Client ID: SB-03 (5-7)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

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	5.8	1.4	1
p/m-Xylene	ND		ug/kg	5.8	1.2	1
o-Xylene	ND		ug/kg	5.8	1.2	1
cis-1,2-Dichloroethene	ND		ug/kg	2.9	0.88	1
Dibromomethane	ND		ug/kg	29	1.3	1
Styrene	ND		ug/kg	5.8	2.1	1
Dichlorodifluoromethane	ND		ug/kg	29	1.1	1
Acetone	ND		ug/kg	29	9.4	1
Carbon disulfide	ND		ug/kg	29	1.1	1
2-Butanone	ND		ug/kg	29	11.	1
Vinyl acetate	ND		ug/kg	29	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	29	2.4	1
1,2,3-Trichloropropane	ND		ug/kg	29	1.1	1
2-Hexanone	ND		ug/kg	29	1.2	1
Bromochloromethane	ND		ug/kg	14	0.88	1
2,2-Dichloropropane	ND		ug/kg	14	2.3	1
1,2-Dibromoethane	ND		ug/kg	12	1.2	1
1,3-Dichloropropane	ND		ug/kg	14	1.6	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.9	0.95	1
Bromobenzene	ND		ug/kg	14	0.64	1
n-Butylbenzene	ND		ug/kg	2.9	0.91	1
sec-Butylbenzene	ND		ug/kg	2.9	0.80	1
tert-Butylbenzene	ND		ug/kg	14	1.8	1
o-Chlorotoluene	ND		ug/kg	14	0.91	1
p-Chlorotoluene	ND		ug/kg	14	1.0	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	14	2.4	1
Hexachlorobutadiene	ND		ug/kg	14	1.3	1
Isopropylbenzene	ND		ug/kg	2.9	0.51	1
p-Isopropyltoluene	ND		ug/kg	2.9	0.79	1
Acrylonitrile	ND		ug/kg	29	1.1	1
n-Propylbenzene	ND		ug/kg	2.9	0.82	1
1,2,3-Trichlorobenzene	ND		ug/kg	14	1.2	1
1,2,4-Trichlorobenzene	ND		ug/kg	14	2.3	1
1,3,5-Trimethylbenzene	ND		ug/kg	14	1.7	1
1,2,4-Trimethylbenzene	ND		ug/kg	14	1.7	1
1,4-Diethylbenzene	1.3	J	ug/kg	12	0.58	1
4-Ethyltoluene	ND		ug/kg	12	0.28	1
1,2,4,5-Tetramethylbenzene	0.58	J	ug/kg	12	0.53	1
Ethyl ether	ND		ug/kg	14	1.1	1

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-03

Date Collected: 04/16/12 10:00

Client ID: SB-03 (5-7)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

trans-1,4-Dichloro-2-butene	ND		ug/kg	14	4.3	1

Tentatively Identified Compounds

Unknown	17	J	ug/kg			1

Unknown	9.4	J	ug/kg			1

Unknown	8.2	J	ug/kg			1

Unknown	7.2	J	ug/kg			1

Unknown	7.3	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	97		70-130

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-04

Date Collected: 04/16/12 08:00

Client ID: BLIND DUP

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Matrix: Soil

Analytical Method: 1,8260B

Analytical Date: 04/20/12 18:00

Analyst: JL

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	29	2.4	1
1,1-Dichloroethane	ND		ug/kg	4.4	0.87	1
Chloroform	ND		ug/kg	4.4	0.95	1
Carbon tetrachloride	ND		ug/kg	2.9	0.62	1
1,2-Dichloropropane	ND		ug/kg	10	0.75	1
Dibromochloromethane	ND		ug/kg	2.9	0.90	1
1,1,2-Trichloroethane	ND		ug/kg	4.4	1.2	1
Tetrachloroethene	ND		ug/kg	2.9	0.90	1
Chlorobenzene	ND		ug/kg	2.9	0.55	1
Trichlorofluoromethane	ND		ug/kg	15	1.2	1
1,2-Dichloroethane	ND		ug/kg	2.9	0.67	1
1,1,1-Trichloroethane	ND		ug/kg	2.9	0.79	1
Bromodichloromethane	ND		ug/kg	2.9	1.1	1
trans-1,3-Dichloropropene	ND		ug/kg	2.9	0.88	1
cis-1,3-Dichloropropene	ND		ug/kg	2.9	0.78	1
1,1-Dichloropropene	ND		ug/kg	15	1.3	1
Bromoform	ND		ug/kg	12	1.4	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.9	0.71	1
Benzene	ND		ug/kg	2.9	0.87	1
Toluene	ND		ug/kg	4.4	0.71	1
Ethylbenzene	ND		ug/kg	2.9	0.65	1
Chloromethane	ND		ug/kg	15	2.3	1
Bromomethane	ND		ug/kg	5.9	1.9	1
Vinyl chloride	ND		ug/kg	5.9	2.2	1
Chloroethane	ND		ug/kg	5.9	1.3	1
1,1-Dichloroethene	ND		ug/kg	2.9	0.76	1
trans-1,2-Dichloroethene	ND		ug/kg	4.4	1.2	1
Trichloroethene	ND		ug/kg	2.9	0.66	1
1,2-Dichlorobenzene	ND		ug/kg	15	1.1	1
1,3-Dichlorobenzene	ND		ug/kg	15	1.2	1
1,4-Dichlorobenzene	ND		ug/kg	15	1.2	1

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-04

Date Collected: 04/16/12 08:00

Client ID: BLIND DUP

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

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	5.9	1.4	1
p/m-Xylene	ND		ug/kg	5.9	1.3	1
o-Xylene	ND		ug/kg	5.9	1.2	1
cis-1,2-Dichloroethene	ND		ug/kg	2.9	0.89	1
Dibromomethane	ND		ug/kg	29	1.3	1
Styrene	ND		ug/kg	5.9	2.1	1
Dichlorodifluoromethane	ND		ug/kg	29	1.1	1
Acetone	ND		ug/kg	29	9.5	1
Carbon disulfide	ND		ug/kg	29	1.1	1
2-Butanone	ND		ug/kg	29	11.	1
Vinyl acetate	ND		ug/kg	29	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	29	2.4	1
1,2,3-Trichloropropane	ND		ug/kg	29	1.1	1
2-Hexanone	ND		ug/kg	29	1.2	1
Bromochloromethane	ND		ug/kg	15	0.89	1
2,2-Dichloropropane	ND		ug/kg	15	2.3	1
1,2-Dibromoethane	ND		ug/kg	12	1.2	1
1,3-Dichloropropane	ND		ug/kg	15	1.7	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.9	0.96	1
Bromobenzene	ND		ug/kg	15	0.65	1
n-Butylbenzene	ND		ug/kg	2.9	0.92	1
sec-Butylbenzene	ND		ug/kg	2.9	0.81	1
tert-Butylbenzene	ND		ug/kg	15	1.8	1
o-Chlorotoluene	ND		ug/kg	15	0.92	1
p-Chlorotoluene	ND		ug/kg	15	1.1	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	15	2.5	1
Hexachlorobutadiene	ND		ug/kg	15	1.3	1
Isopropylbenzene	ND		ug/kg	2.9	0.52	1
p-Isopropyltoluene	ND		ug/kg	2.9	0.80	1
Acrylonitrile	ND		ug/kg	29	1.1	1
n-Propylbenzene	ND		ug/kg	2.9	0.84	1
1,2,3-Trichlorobenzene	ND		ug/kg	15	1.2	1
1,2,4-Trichlorobenzene	ND		ug/kg	15	2.3	1
1,3,5-Trimethylbenzene	ND		ug/kg	15	1.8	1
1,2,4-Trimethylbenzene	ND		ug/kg	15	1.7	1
1,4-Diethylbenzene	ND		ug/kg	12	0.59	1
4-Ethyltoluene	ND		ug/kg	12	0.28	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	12	0.53	1
Ethyl ether	ND		ug/kg	15	1.1	1

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-04

Date Collected: 04/16/12 08:00

Client ID: BLIND DUP

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

trans-1,4-Dichloro-2-butene	ND		ug/kg	15	4.3	1

Tentatively Identified Compounds

Unknown	16	J	ug/kg			1

Unknown	12	J	ug/kg			1

Unknown	7.7	J	ug/kg			1

Hexane	72	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	99		70-130

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-05

Date Collected: 04/16/12 10:30

Client ID: SB-04 (9-11')

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Matrix: Soil

Analytical Method: 1,8260B

Analytical Date: 04/20/12 18:36

Analyst: JL

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	29	2.4	1
1,1-Dichloroethane	ND		ug/kg	4.4	0.87	1
Chloroform	ND		ug/kg	4.4	0.95	1
Carbon tetrachloride	ND		ug/kg	2.9	0.62	1
1,2-Dichloropropane	ND		ug/kg	10	0.75	1
Dibromochloromethane	ND		ug/kg	2.9	0.90	1
1,1,2-Trichloroethane	ND		ug/kg	4.4	1.2	1
Tetrachloroethene	ND		ug/kg	2.9	0.90	1
Chlorobenzene	ND		ug/kg	2.9	0.55	1
Trichlorofluoromethane	ND		ug/kg	15	1.2	1
1,2-Dichloroethane	ND		ug/kg	2.9	0.67	1
1,1,1-Trichloroethane	ND		ug/kg	2.9	0.79	1
Bromodichloromethane	ND		ug/kg	2.9	1.1	1
trans-1,3-Dichloropropene	ND		ug/kg	2.9	0.88	1
cis-1,3-Dichloropropene	ND		ug/kg	2.9	0.78	1
1,1-Dichloropropene	ND		ug/kg	15	1.3	1
Bromoform	ND		ug/kg	12	1.4	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.9	0.71	1
Benzene	ND		ug/kg	2.9	0.87	1
Toluene	ND		ug/kg	4.4	0.71	1
Ethylbenzene	ND		ug/kg	2.9	0.65	1
Chloromethane	ND		ug/kg	15	2.3	1
Bromomethane	ND		ug/kg	5.9	1.9	1
Vinyl chloride	ND		ug/kg	5.9	2.2	1
Chloroethane	ND		ug/kg	5.9	1.3	1
1,1-Dichloroethene	ND		ug/kg	2.9	0.76	1
trans-1,2-Dichloroethene	ND		ug/kg	4.4	1.2	1
Trichloroethene	ND		ug/kg	2.9	0.66	1
1,2-Dichlorobenzene	ND		ug/kg	15	1.1	1
1,3-Dichlorobenzene	ND		ug/kg	15	1.2	1
1,4-Dichlorobenzene	ND		ug/kg	15	1.2	1

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-05

Date Collected: 04/16/12 10:30

Client ID: SB-04 (9-11')

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

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	5.9	1.4	1
p/m-Xylene	1.6	J	ug/kg	5.9	1.3	1
o-Xylene	ND		ug/kg	5.9	1.2	1
cis-1,2-Dichloroethene	ND		ug/kg	2.9	0.89	1
Dibromomethane	ND		ug/kg	29	1.3	1
Styrene	ND		ug/kg	5.9	2.1	1
Dichlorodifluoromethane	ND		ug/kg	29	1.1	1
Acetone	ND		ug/kg	29	9.5	1
Carbon disulfide	ND		ug/kg	29	1.1	1
2-Butanone	ND		ug/kg	29	11.	1
Vinyl acetate	ND		ug/kg	29	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	29	2.4	1
1,2,3-Trichloropropane	ND		ug/kg	29	1.1	1
2-Hexanone	ND		ug/kg	29	1.2	1
Bromochloromethane	ND		ug/kg	15	0.89	1
2,2-Dichloropropane	ND		ug/kg	15	2.3	1
1,2-Dibromoethane	ND		ug/kg	12	1.2	1
1,3-Dichloropropane	ND		ug/kg	15	1.7	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.9	0.96	1
Bromobenzene	ND		ug/kg	15	0.65	1
n-Butylbenzene	ND		ug/kg	2.9	0.92	1
sec-Butylbenzene	ND		ug/kg	2.9	0.81	1
tert-Butylbenzene	ND		ug/kg	15	1.8	1
o-Chlorotoluene	ND		ug/kg	15	0.92	1
p-Chlorotoluene	ND		ug/kg	15	1.1	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	15	2.5	1
Hexachlorobutadiene	ND		ug/kg	15	1.3	1
Isopropylbenzene	ND		ug/kg	2.9	0.52	1
p-Isopropyltoluene	ND		ug/kg	2.9	0.80	1
Acrylonitrile	ND		ug/kg	29	1.1	1
n-Propylbenzene	2.8	J	ug/kg	2.9	0.84	1
1,2,3-Trichlorobenzene	ND		ug/kg	15	1.2	1
1,2,4-Trichlorobenzene	ND		ug/kg	15	2.3	1
1,3,5-Trimethylbenzene	4.2	J	ug/kg	15	1.8	1
1,2,4-Trimethylbenzene	5.6	J	ug/kg	15	1.7	1
1,4-Diethylbenzene	5.7	J	ug/kg	12	0.59	1
4-Ethyltoluene	9.2	J	ug/kg	12	0.28	1
1,2,4,5-Tetramethylbenzene	16		ug/kg	12	0.53	1
Ethyl ether	ND		ug/kg	15	1.1	1

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-05

Date Collected: 04/16/12 10:30

Client ID: SB-04 (9-11')

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

trans-1,4-Dichloro-2-butene	ND		ug/kg	15	4.3	1

Tentatively Identified Compounds

Unknown	40	J	ug/kg			1
Pentane	19	J	ug/kg			1
Unknown	29	J	ug/kg			1
Unknown	17	J	ug/kg			1
Unknown	16	J	ug/kg			1
Unknown	33	J	ug/kg			1
Unknown Substituted Benzene	10	J	ug/kg			1
Unknown Substituted Benzene	28	J	ug/kg			1
Unknown	11	J	ug/kg			1
Unknown	17	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	100		70-130

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-07 D
Client ID: SB-05 (7-9)
Sample Location: 285-295 NIAGARA ST.
Matrix: Soil
Analytical Method: 1,8260B
Analytical Date: 04/20/12 19:11
Analyst: JL
Percent Solids: 80%

Date Collected: 04/16/12 11:29
Date Received: 04/19/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	1200	100	40
1,1-Dichloroethane	ND		ug/kg	190	37.	40
Chloroform	ND		ug/kg	190	40.	40
Carbon tetrachloride	ND		ug/kg	120	26.	40
1,2-Dichloropropane	ND		ug/kg	440	32.	40
Dibromochloromethane	ND		ug/kg	120	38.	40
1,1,2-Trichloroethane	ND		ug/kg	190	49.	40
Tetrachloroethene	ND		ug/kg	120	38.	40
Chlorobenzene	ND		ug/kg	120	23.	40
Trichlorofluoromethane	ND		ug/kg	620	49.	40
1,2-Dichloroethane	ND		ug/kg	120	28.	40
1,1,1-Trichloroethane	ND		ug/kg	120	34.	40
Bromodichloromethane	ND		ug/kg	120	48.	40
trans-1,3-Dichloropropene	ND		ug/kg	120	38.	40
cis-1,3-Dichloropropene	ND		ug/kg	120	33.	40
1,1-Dichloropropene	ND		ug/kg	620	57.	40
Bromoform	ND		ug/kg	500	62.	40
1,1,2,2-Tetrachloroethane	ND		ug/kg	120	30.	40
Benzene	ND		ug/kg	120	37.	40
Toluene	45	J	ug/kg	190	30.	40
Ethylbenzene	540		ug/kg	120	28.	40
Chloromethane	ND		ug/kg	620	98.	40
Bromomethane	100	J	ug/kg	250	81.	40
Vinyl chloride	ND		ug/kg	250	94.	40
Chloroethane	ND		ug/kg	250	55.	40
1,1-Dichloroethene	ND		ug/kg	120	32.	40
trans-1,2-Dichloroethene	ND		ug/kg	190	49.	40
Trichloroethene	ND		ug/kg	120	28.	40
1,2-Dichlorobenzene	ND		ug/kg	620	46.	40
1,3-Dichlorobenzene	ND		ug/kg	620	50.	40
1,4-Dichlorobenzene	ND		ug/kg	620	52.	40

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-07 D

Date Collected: 04/16/12 11:29

Client ID: SB-05 (7-9)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

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	250	61.	40
p/m-Xylene	2400		ug/kg	250	54.	40
o-Xylene	630		ug/kg	250	52.	40
cis-1,2-Dichloroethene	ND		ug/kg	120	38.	40
Dibromomethane	ND		ug/kg	1200	54.	40
Styrene	ND		ug/kg	250	91.	40
Dichlorodifluoromethane	ND		ug/kg	1200	49.	40
Acetone	ND		ug/kg	1200	400	40
Carbon disulfide	ND		ug/kg	1200	47.	40
2-Butanone	ND		ug/kg	1200	480	40
Vinyl acetate	ND		ug/kg	1200	94.	40
4-Methyl-2-pentanone	ND		ug/kg	1200	100	40
1,2,3-Trichloropropane	ND		ug/kg	1200	48.	40
2-Hexanone	ND		ug/kg	1200	50.	40
Bromochloromethane	ND		ug/kg	620	38.	40
2,2-Dichloropropane	ND		ug/kg	620	99.	40
1,2-Dibromoethane	ND		ug/kg	500	51.	40
1,3-Dichloropropane	ND		ug/kg	620	71.	40
1,1,1,2-Tetrachloroethane	ND		ug/kg	120	41.	40
Bromobenzene	ND		ug/kg	620	28.	40
n-Butylbenzene	ND		ug/kg	120	39.	40
sec-Butylbenzene	ND		ug/kg	120	34.	40
tert-Butylbenzene	ND		ug/kg	620	75.	40
o-Chlorotoluene	ND		ug/kg	620	39.	40
p-Chlorotoluene	ND		ug/kg	620	45.	40
1,2-Dibromo-3-chloropropane	ND		ug/kg	620	100	40
Hexachlorobutadiene	ND		ug/kg	620	57.	40
Isopropylbenzene	170		ug/kg	120	22.	40
p-Isopropyltoluene	97	J	ug/kg	120	34.	40
Acrylonitrile	ND		ug/kg	1200	47.	40
n-Propylbenzene	1100		ug/kg	120	36.	40
1,2,3-Trichlorobenzene	ND		ug/kg	620	50.	40
1,2,4-Trichlorobenzene	ND		ug/kg	620	99.	40
1,3,5-Trimethylbenzene	3100		ug/kg	620	75.	40
1,2,4-Trimethylbenzene	10000		ug/kg	620	72.	40
1,4-Diethylbenzene	4200		ug/kg	500	25.	40
4-Ethyltoluene	6600		ug/kg	500	12.	40
1,2,4,5-Tetramethylbenzene	1700		ug/kg	500	23.	40
Ethyl ether	ND		ug/kg	620	47.	40

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-07 D

Date Collected: 04/16/12 11:29

Client ID: SB-05 (7-9)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

trans-1,4-Dichloro-2-butene	ND		ug/kg	620	180	40

Tentatively Identified Compounds

Pentane, 2-methyl-	2600	J	ug/kg			40

Unknown	2700	J	ug/kg			40

Unknown	3600	J	ug/kg			40

Unknown	2500	J	ug/kg			40

Octane	2400	J	ug/kg			40

Unknown Substituted Benzene	1400	J	ug/kg			40

Unknown	2400	J	ug/kg			40

Unknown Substituted Benzene	2000	J	ug/kg			40

Unknown Substituted Benzene	1600	J	ug/kg			40

Unknown	1400	J	ug/kg			40

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	91		70-130

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-08 D
Client ID: SB-06 (7-9')
Sample Location: 285-295 NIAGARA ST.
Matrix: Soil
Analytical Method: 1,8260B
Analytical Date: 04/20/12 19:47
Analyst: JL
Percent Solids: 85%

Date Collected: 04/16/12 12:00
Date Received: 04/19/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	1200	96.	40
1,1-Dichloroethane	ND		ug/kg	180	35.	40
Chloroform	ND		ug/kg	180	38.	40
Carbon tetrachloride	ND		ug/kg	120	25.	40
1,2-Dichloropropane	ND		ug/kg	410	30.	40
Dibromochloromethane	ND		ug/kg	120	36.	40
1,1,2-Trichloroethane	ND		ug/kg	180	46.	40
Tetrachloroethene	ND		ug/kg	120	36.	40
Chlorobenzene	ND		ug/kg	120	22.	40
Trichlorofluoromethane	ND		ug/kg	590	46.	40
1,2-Dichloroethane	ND		ug/kg	120	27.	40
1,1,1-Trichloroethane	ND		ug/kg	120	32.	40
Bromodichloromethane	ND		ug/kg	120	45.	40
trans-1,3-Dichloropropene	ND		ug/kg	120	35.	40
cis-1,3-Dichloropropene	ND		ug/kg	120	31.	40
1,1-Dichloropropene	ND		ug/kg	590	54.	40
Bromoform	ND		ug/kg	470	58.	40
1,1,2,2-Tetrachloroethane	ND		ug/kg	120	28.	40
Benzene	ND		ug/kg	120	35.	40
Toluene	ND		ug/kg	180	28.	40
Ethylbenzene	100	J	ug/kg	120	26.	40
Chloromethane	ND		ug/kg	590	92.	40
Bromomethane	ND		ug/kg	240	76.	40
Vinyl chloride	ND		ug/kg	240	89.	40
Chloroethane	ND		ug/kg	240	52.	40
1,1-Dichloroethene	ND		ug/kg	120	30.	40
trans-1,2-Dichloroethene	ND		ug/kg	180	46.	40
Trichloroethene	ND		ug/kg	120	26.	40
1,2-Dichlorobenzene	ND		ug/kg	590	43.	40
1,3-Dichlorobenzene	ND		ug/kg	590	47.	40
1,4-Dichlorobenzene	ND		ug/kg	590	49.	40

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-08 D

Date Collected: 04/16/12 12:00

Client ID: SB-06 (7-9')

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

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	240	57.	40
p/m-Xylene	ND		ug/kg	240	50.	40
o-Xylene	ND		ug/kg	240	49.	40
cis-1,2-Dichloroethene	ND		ug/kg	120	35.	40
Dibromomethane	ND		ug/kg	1200	51.	40
Styrene	ND		ug/kg	240	85.	40
Dichlorodifluoromethane	ND		ug/kg	1200	46.	40
Acetone	ND		ug/kg	1200	380	40
Carbon disulfide	ND		ug/kg	1200	44.	40
2-Butanone	ND		ug/kg	1200	460	40
Vinyl acetate	ND		ug/kg	1200	88.	40
4-Methyl-2-pentanone	ND		ug/kg	1200	96.	40
1,2,3-Trichloropropane	ND		ug/kg	1200	46.	40
2-Hexanone	ND		ug/kg	1200	47.	40
Bromochloromethane	ND		ug/kg	590	36.	40
2,2-Dichloropropane	ND		ug/kg	590	94.	40
1,2-Dibromoethane	ND		ug/kg	470	48.	40
1,3-Dichloropropane	ND		ug/kg	590	66.	40
1,1,1,2-Tetrachloroethane	ND		ug/kg	120	39.	40
Bromobenzene	ND		ug/kg	590	26.	40
n-Butylbenzene	ND		ug/kg	120	37.	40
sec-Butylbenzene	240		ug/kg	120	32.	40
tert-Butylbenzene	ND		ug/kg	590	71.	40
o-Chlorotoluene	ND		ug/kg	590	37.	40
p-Chlorotoluene	ND		ug/kg	590	42.	40
1,2-Dibromo-3-chloropropane	ND		ug/kg	590	98.	40
Hexachlorobutadiene	ND		ug/kg	590	54.	40
Isopropylbenzene	380		ug/kg	120	21.	40
p-Isopropyltoluene	140		ug/kg	120	32.	40
Acrylonitrile	ND		ug/kg	1200	44.	40
n-Propylbenzene	2500		ug/kg	120	33.	40
1,2,3-Trichlorobenzene	ND		ug/kg	590	47.	40
1,2,4-Trichlorobenzene	ND		ug/kg	590	93.	40
1,3,5-Trimethylbenzene	6100		ug/kg	590	71.	40
1,2,4-Trimethylbenzene	3300		ug/kg	590	67.	40
1,4-Diethylbenzene	5200		ug/kg	470	24.	40
4-Ethyltoluene	7700		ug/kg	470	11.	40
1,2,4,5-Tetramethylbenzene	2200		ug/kg	470	21.	40
Ethyl ether	ND		ug/kg	590	45.	40

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-08 D

Date Collected: 04/16/12 12:00

Client ID: SB-06 (7-9')

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

trans-1,4-Dichloro-2-butene	ND		ug/kg	590	170	40

Tentatively Identified Compounds

Pentane, 2-methyl-	6800	J	ug/kg			40

Hexane	6200	J	ug/kg			40

Hexane, 2-methyl-	5900	J	ug/kg			40

Hexane, 3-methyl-	6900	J	ug/kg			40

Unknown	12000	J	ug/kg			40

Cyclohexane, methyl-	7400	J	ug/kg			40

Unknown	4900	J	ug/kg			40

Octane	5400	J	ug/kg			40

Unknown	3500	J	ug/kg			40

Unknown	2900	J	ug/kg			40

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	90		70-130

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-13

Date Collected: 04/17/12 09:30

Client ID: SB-11 (7-9)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Matrix: Soil

Analytical Method: 1,8260B

Analytical Date: 04/20/12 20:22

Analyst: JL

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	30	2.4	1
1,1-Dichloroethane	ND		ug/kg	4.5	0.88	1
Chloroform	ND		ug/kg	4.5	0.97	1
Carbon tetrachloride	ND		ug/kg	3.0	0.63	1
1,2-Dichloropropane	ND		ug/kg	10	0.76	1
Dibromochloromethane	ND		ug/kg	3.0	0.92	1
1,1,2-Trichloroethane	ND		ug/kg	4.5	1.2	1
Tetrachloroethene	ND		ug/kg	3.0	0.91	1
Chlorobenzene	ND		ug/kg	3.0	0.55	1
Trichlorofluoromethane	ND		ug/kg	15	1.2	1
1,2-Dichloroethane	ND		ug/kg	3.0	0.68	1
1,1,1-Trichloroethane	ND		ug/kg	3.0	0.80	1
Bromodichloromethane	ND		ug/kg	3.0	1.1	1
trans-1,3-Dichloropropene	ND		ug/kg	3.0	0.89	1
cis-1,3-Dichloropropene	ND		ug/kg	3.0	0.80	1
1,1-Dichloropropene	ND		ug/kg	15	1.4	1
Bromoform	ND		ug/kg	12	1.5	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.0	0.71	1
Benzene	ND		ug/kg	3.0	0.88	1
Toluene	ND		ug/kg	4.5	0.72	1
Ethylbenzene	93		ug/kg	3.0	0.66	1
Chloromethane	ND		ug/kg	15	2.3	1
Bromomethane	ND		ug/kg	6.0	1.9	1
Vinyl chloride	ND		ug/kg	6.0	2.2	1
Chloroethane	ND		ug/kg	6.0	1.3	1
1,1-Dichloroethene	ND		ug/kg	3.0	0.77	1
trans-1,2-Dichloroethene	ND		ug/kg	4.5	1.2	1
Trichloroethene	ND		ug/kg	3.0	0.67	1
1,2-Dichlorobenzene	ND		ug/kg	15	1.1	1
1,3-Dichlorobenzene	ND		ug/kg	15	1.2	1
1,4-Dichlorobenzene	ND		ug/kg	15	1.2	1

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-13

Date Collected: 04/17/12 09:30

Client ID: SB-11 (7-9)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

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	6.0	1.4	1
p/m-Xylene	270		ug/kg	6.0	1.3	1
o-Xylene	2.4	J	ug/kg	6.0	1.2	1
cis-1,2-Dichloroethene	ND		ug/kg	3.0	0.90	1
Dibromomethane	ND		ug/kg	30	1.3	1
Styrene	ND		ug/kg	6.0	2.2	1
Dichlorodifluoromethane	ND		ug/kg	30	1.2	1
Acetone	ND		ug/kg	30	9.6	1
Carbon disulfide	ND		ug/kg	30	1.1	1
2-Butanone	ND		ug/kg	30	12.	1
Vinyl acetate	ND		ug/kg	30	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	30	2.4	1
1,2,3-Trichloropropane	ND		ug/kg	30	1.2	1
2-Hexanone	ND		ug/kg	30	1.2	1
Bromochloromethane	ND		ug/kg	15	0.90	1
2,2-Dichloropropane	ND		ug/kg	15	2.4	1
1,2-Dibromoethane	ND		ug/kg	12	1.2	1
1,3-Dichloropropane	ND		ug/kg	15	1.7	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.0	0.98	1
Bromobenzene	ND		ug/kg	15	0.66	1
n-Butylbenzene	ND		ug/kg	3.0	0.94	1
sec-Butylbenzene	14		ug/kg	3.0	0.82	1
tert-Butylbenzene	ND		ug/kg	15	1.8	1
o-Chlorotoluene	ND		ug/kg	15	0.93	1
p-Chlorotoluene	ND		ug/kg	15	1.1	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	15	2.5	1
Hexachlorobutadiene	ND		ug/kg	15	1.4	1
Isopropylbenzene	30		ug/kg	3.0	0.53	1
p-Isopropyltoluene	9.0		ug/kg	3.0	0.81	1
Naphthalene	99		ug/kg	15	2.3	1
Acrylonitrile	ND		ug/kg	30	1.1	1
n-Propylbenzene	160		ug/kg	3.0	0.84	1
1,2,3-Trichlorobenzene	ND		ug/kg	15	1.2	1
1,2,4-Trichlorobenzene	ND		ug/kg	15	2.4	1
1,3,5-Trimethylbenzene	440		ug/kg	15	1.8	1
1,2,4-Trimethylbenzene	1300	E	ug/kg	15	1.7	1
1,4-Diethylbenzene	330		ug/kg	12	0.60	1
4-Ethyltoluene	840	E	ug/kg	12	0.29	1
1,2,4,5-Tetramethylbenzene	140		ug/kg	12	0.54	1

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-13

Date Collected: 04/17/12 09:30

Client ID: SB-11 (7-9)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

Ethyl ether	ND		ug/kg	15	1.1	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	15	4.4	1

Tentatively Identified Compounds

Unknown	230	J	ug/kg			1
Pentane, 2-methyl-	440	J	ug/kg			1
Pentane, 3-methyl-	250	J	ug/kg			1
Hexane	330	J	ug/kg			1
Unknown	310	J	ug/kg			1
Hexane, 2-methyl-	210	J	ug/kg			1
Hexane, 3-methyl-	240	J	ug/kg			1
Unknown	390	J	ug/kg			1
Cyclohexane, methyl-	290	J	ug/kg			1
Unknown	53	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	92		70-130

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-13 D
 Client ID: SB-11 (7-9)
 Sample Location: 285-295 NIAGARA ST.
 Matrix: Soil
 Analytical Method: 1,8260B
 Analytical Date: 04/23/12 15:01
 Analyst: JL
 Percent Solids: 84%

Date Collected: 04/17/12 09:30
 Date Received: 04/19/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	940		ug/kg	600	68.	40
4-Ethyltoluene	610		ug/kg	480	12.	40

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	93		70-130

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-14

Date Collected: 04/17/12 09:30

Client ID: SB-11 (14-15)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Matrix: Soil

Analytical Method: 1,8260B

Analytical Date: 04/20/12 20:57

Analyst: JL

Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	30	2.5	1
1,1-Dichloroethane	ND		ug/kg	4.6	0.90	1
Chloroform	ND		ug/kg	4.6	0.99	1
Carbon tetrachloride	ND		ug/kg	3.0	0.64	1
1,2-Dichloropropane	ND		ug/kg	11	0.78	1
Dibromochloromethane	ND		ug/kg	3.0	0.94	1
1,1,2-Trichloroethane	ND		ug/kg	4.6	1.2	1
Tetrachloroethene	ND		ug/kg	3.0	0.93	1
Chlorobenzene	ND		ug/kg	3.0	0.57	1
Trichlorofluoromethane	ND		ug/kg	15	1.2	1
1,2-Dichloroethane	ND		ug/kg	3.0	0.69	1
1,1,1-Trichloroethane	ND		ug/kg	3.0	0.82	1
Bromodichloromethane	ND		ug/kg	3.0	1.2	1
trans-1,3-Dichloropropene	ND		ug/kg	3.0	0.92	1
cis-1,3-Dichloropropene	ND		ug/kg	3.0	0.81	1
1,1-Dichloropropene	ND		ug/kg	15	1.4	1
Bromoform	ND		ug/kg	12	1.5	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.0	0.73	1
Benzene	ND		ug/kg	3.0	0.91	1
Toluene	1.0	J	ug/kg	4.6	0.74	1
Ethylbenzene	84		ug/kg	3.0	0.68	1
Chloromethane	ND		ug/kg	15	2.4	1
Bromomethane	ND		ug/kg	6.1	2.0	1
Vinyl chloride	ND		ug/kg	6.1	2.3	1
Chloroethane	ND		ug/kg	6.1	1.3	1
1,1-Dichloroethene	ND		ug/kg	3.0	0.79	1
trans-1,2-Dichloroethene	ND		ug/kg	4.6	1.2	1
Trichloroethene	ND		ug/kg	3.0	0.68	1
1,2-Dichlorobenzene	ND		ug/kg	15	1.1	1
1,3-Dichlorobenzene	ND		ug/kg	15	1.2	1
1,4-Dichlorobenzene	ND		ug/kg	15	1.3	1

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-14

Date Collected: 04/17/12 09:30

Client ID: SB-11 (14-15)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

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	6.1	1.5	1
p/m-Xylene	110		ug/kg	6.1	1.3	1
o-Xylene	15		ug/kg	6.1	1.3	1
cis-1,2-Dichloroethene	ND		ug/kg	3.0	0.92	1
Dibromomethane	ND		ug/kg	30	1.3	1
Styrene	ND		ug/kg	6.1	2.2	1
Dichlorodifluoromethane	ND		ug/kg	30	1.2	1
Acetone	ND		ug/kg	30	9.9	1
Carbon disulfide	ND		ug/kg	30	1.1	1
2-Butanone	ND		ug/kg	30	12.	1
Vinyl acetate	ND		ug/kg	30	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	30	2.5	1
1,2,3-Trichloropropane	ND		ug/kg	30	1.2	1
2-Hexanone	ND		ug/kg	30	1.2	1
Bromochloromethane	ND		ug/kg	15	0.92	1
2,2-Dichloropropane	ND		ug/kg	15	2.4	1
1,2-Dibromoethane	ND		ug/kg	12	1.2	1
1,3-Dichloropropane	ND		ug/kg	15	1.7	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.0	1.0	1
Bromobenzene	ND		ug/kg	15	0.67	1
n-Butylbenzene	ND		ug/kg	3.0	0.96	1
sec-Butylbenzene	8.0		ug/kg	3.0	0.84	1
tert-Butylbenzene	ND		ug/kg	15	1.8	1
o-Chlorotoluene	ND		ug/kg	15	0.95	1
p-Chlorotoluene	ND		ug/kg	15	1.1	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	15	2.6	1
Hexachlorobutadiene	ND		ug/kg	15	1.4	1
Isopropylbenzene	18		ug/kg	3.0	0.54	1
p-Isopropyltoluene	4.2		ug/kg	3.0	0.83	1
Naphthalene	180		ug/kg	15	2.3	1
Acrylonitrile	ND		ug/kg	30	1.1	1
n-Propylbenzene	97		ug/kg	3.0	0.86	1
1,2,3-Trichlorobenzene	ND		ug/kg	15	1.2	1
1,2,4-Trichlorobenzene	ND		ug/kg	15	2.4	1
1,3,5-Trimethylbenzene	260		ug/kg	15	1.8	1
1,2,4-Trimethylbenzene	620		ug/kg	15	1.7	1
1,4-Diethylbenzene	110		ug/kg	12	0.61	1
4-Ethyltoluene	300		ug/kg	12	0.30	1
1,2,4,5-Tetramethylbenzene	88		ug/kg	12	0.55	1

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-14

Date Collected: 04/17/12 09:30

Client ID: SB-11 (14-15)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

Ethyl ether	ND		ug/kg	15	1.2	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	15	4.5	1

Tentatively Identified Compounds

Pentane, 2-methyl-	210	J	ug/kg			1
Unknown	130	J	ug/kg			1
Cyclohexane, methyl-	160	J	ug/kg			1
Unknown Substituted Benzene	53	J	ug/kg			1
Unknown	23	J	ug/kg			1
Indane	30	J	ug/kg			1
Unknown	20	J	ug/kg			1
Unknown Substituted Benzene	32	J	ug/kg			1
Unknown Substituted Benzene	24	J	ug/kg			1
Unknown	27	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	91		70-130

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-17

Date Collected: 04/17/12 13:30

Client ID: SB-15 (0-2)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Matrix: Soil

Analytical Method: 1,8260B

Analytical Date: 04/20/12 21:32

Analyst: JL

Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	5.5	J	ug/kg	30	2.4	1
1,1-Dichloroethane	ND		ug/kg	4.5	0.89	1
Chloroform	ND		ug/kg	4.5	0.98	1
Carbon tetrachloride	ND		ug/kg	3.0	0.64	1
1,2-Dichloropropane	ND		ug/kg	10	0.77	1
Dibromochloromethane	ND		ug/kg	3.0	0.93	1
1,1,2-Trichloroethane	ND		ug/kg	4.5	1.2	1
Tetrachloroethene	ND		ug/kg	3.0	0.92	1
Chlorobenzene	ND		ug/kg	3.0	0.56	1
Trichlorofluoromethane	ND		ug/kg	15	1.2	1
1,2-Dichloroethane	ND		ug/kg	3.0	0.68	1
1,1,1-Trichloroethane	ND		ug/kg	3.0	0.81	1
Bromodichloromethane	ND		ug/kg	3.0	1.2	1
trans-1,3-Dichloropropene	ND		ug/kg	3.0	0.90	1
cis-1,3-Dichloropropene	ND		ug/kg	3.0	0.80	1
1,1-Dichloropropene	ND		ug/kg	15	1.4	1
Bromoform	ND		ug/kg	12	1.5	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.0	0.72	1
Benzene	ND		ug/kg	3.0	0.90	1
Toluene	ND		ug/kg	4.5	0.73	1
Ethylbenzene	ND		ug/kg	3.0	0.67	1
Chloromethane	ND		ug/kg	15	2.4	1
Bromomethane	ND		ug/kg	6.0	2.0	1
Vinyl chloride	ND		ug/kg	6.0	2.3	1
Chloroethane	ND		ug/kg	6.0	1.3	1
1,1-Dichloroethene	ND		ug/kg	3.0	0.78	1
trans-1,2-Dichloroethene	ND		ug/kg	4.5	1.2	1
Trichloroethene	ND		ug/kg	3.0	0.67	1
1,2-Dichlorobenzene	ND		ug/kg	15	1.1	1
1,3-Dichlorobenzene	ND		ug/kg	15	1.2	1
1,4-Dichlorobenzene	ND		ug/kg	15	1.3	1

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-17

Date Collected: 04/17/12 13:30

Client ID: SB-15 (0-2)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

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	6.0	1.5	1
p/m-Xylene	ND		ug/kg	6.0	1.3	1
o-Xylene	ND		ug/kg	6.0	1.2	1
cis-1,2-Dichloroethene	ND		ug/kg	3.0	0.91	1
Dibromomethane	ND		ug/kg	30	1.3	1
Styrene	ND		ug/kg	6.0	2.2	1
Dichlorodifluoromethane	ND		ug/kg	30	1.2	1
Acetone	ND		ug/kg	30	9.7	1
Carbon disulfide	ND		ug/kg	30	1.1	1
2-Butanone	ND		ug/kg	30	12.	1
Vinyl acetate	ND		ug/kg	30	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	30	2.4	1
1,2,3-Trichloropropane	ND		ug/kg	30	1.2	1
2-Hexanone	ND		ug/kg	30	1.2	1
Bromochloromethane	ND		ug/kg	15	0.91	1
2,2-Dichloropropane	ND		ug/kg	15	2.4	1
1,2-Dibromoethane	ND		ug/kg	12	1.2	1
1,3-Dichloropropane	ND		ug/kg	15	1.7	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.0	0.99	1
Bromobenzene	ND		ug/kg	15	0.66	1
n-Butylbenzene	ND		ug/kg	3.0	0.95	1
sec-Butylbenzene	ND		ug/kg	3.0	0.83	1
tert-Butylbenzene	ND		ug/kg	15	1.8	1
o-Chlorotoluene	ND		ug/kg	15	0.94	1
p-Chlorotoluene	ND		ug/kg	15	1.1	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	15	2.5	1
Hexachlorobutadiene	ND		ug/kg	15	1.4	1
Isopropylbenzene	ND		ug/kg	3.0	0.53	1
p-Isopropyltoluene	ND		ug/kg	3.0	0.82	1
Acrylonitrile	ND		ug/kg	30	1.1	1
n-Propylbenzene	ND		ug/kg	3.0	0.86	1
1,2,3-Trichlorobenzene	ND		ug/kg	15	1.2	1
1,2,4-Trichlorobenzene	ND		ug/kg	15	2.4	1
1,3,5-Trimethylbenzene	ND		ug/kg	15	1.8	1
1,2,4-Trimethylbenzene	ND		ug/kg	15	1.7	1
1,4-Diethylbenzene	ND		ug/kg	12	0.60	1
4-Ethyltoluene	ND		ug/kg	12	0.29	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	12	0.54	1
Ethyl ether	ND		ug/kg	15	1.1	1

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-17

Date Collected: 04/17/12 13:30

Client ID: SB-15 (0-2)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

trans-1,4-Dichloro-2-butene	ND		ug/kg	15	4.4	1

Tentatively Identified Compounds

Unknown	62	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	93		70-130

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-18 D
Client ID: SB-18 (7-9)
Sample Location: 285-295 NIAGARA ST.
Matrix: Soil
Analytical Method: 1,8260B
Analytical Date: 04/20/12 22:08
Analyst: JL
Percent Solids: 84%

Date Collected: 04/17/12 14:45
Date Received: 04/19/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	1200	97.	40
1,1-Dichloroethane	ND		ug/kg	180	35.	40
Chloroform	ND		ug/kg	180	39.	40
Carbon tetrachloride	ND		ug/kg	120	25.	40
1,2-Dichloropropane	ND		ug/kg	420	30.	40
Dibromochloromethane	ND		ug/kg	120	37.	40
1,1,2-Trichloroethane	ND		ug/kg	180	47.	40
Tetrachloroethene	ND		ug/kg	120	36.	40
Chlorobenzene	ND		ug/kg	120	22.	40
Trichlorofluoromethane	ND		ug/kg	600	46.	40
1,2-Dichloroethane	ND		ug/kg	120	27.	40
1,1,1-Trichloroethane	ND		ug/kg	120	32.	40
Bromodichloromethane	ND		ug/kg	120	46.	40
trans-1,3-Dichloropropene	ND		ug/kg	120	36.	40
cis-1,3-Dichloropropene	ND		ug/kg	120	32.	40
1,1-Dichloropropene	ND		ug/kg	600	54.	40
Bromoform	ND		ug/kg	480	59.	40
1,1,2,2-Tetrachloroethane	ND		ug/kg	120	28.	40
Benzene	ND		ug/kg	120	35.	40
Toluene	ND		ug/kg	180	29.	40
Ethylbenzene	ND		ug/kg	120	26.	40
Chloromethane	ND		ug/kg	600	93.	40
Bromomethane	80	J	ug/kg	240	77.	40
Vinyl chloride	ND		ug/kg	240	90.	40
Chloroethane	ND		ug/kg	240	52.	40
1,1-Dichloroethene	ND		ug/kg	120	31.	40
trans-1,2-Dichloroethene	ND		ug/kg	180	47.	40
Trichloroethene	ND		ug/kg	120	27.	40
1,2-Dichlorobenzene	ND		ug/kg	600	43.	40
1,3-Dichlorobenzene	ND		ug/kg	600	48.	40
1,4-Dichlorobenzene	ND		ug/kg	600	50.	40

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-18 D

Date Collected: 04/17/12 14:45

Client ID: SB-18 (7-9)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

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	240	58.	40
p/m-Xylene	300		ug/kg	240	51.	40
o-Xylene	ND		ug/kg	240	50.	40
cis-1,2-Dichloroethene	ND		ug/kg	120	36.	40
Dibromomethane	ND		ug/kg	1200	52.	40
Styrene	ND		ug/kg	240	86.	40
Dichlorodifluoromethane	ND		ug/kg	1200	46.	40
Acetone	ND		ug/kg	1200	380	40
Carbon disulfide	ND		ug/kg	1200	45.	40
2-Butanone	ND		ug/kg	1200	460	40
Vinyl acetate	ND		ug/kg	1200	89.	40
4-Methyl-2-pentanone	ND		ug/kg	1200	97.	40
1,2,3-Trichloropropane	ND		ug/kg	1200	46.	40
2-Hexanone	ND		ug/kg	1200	47.	40
Bromochloromethane	ND		ug/kg	600	36.	40
2,2-Dichloropropane	ND		ug/kg	600	95.	40
1,2-Dibromoethane	ND		ug/kg	480	49.	40
1,3-Dichloropropane	ND		ug/kg	600	67.	40
1,1,1,2-Tetrachloroethane	ND		ug/kg	120	39.	40
Bromobenzene	ND		ug/kg	600	26.	40
n-Butylbenzene	ND		ug/kg	120	37.	40
sec-Butylbenzene	810		ug/kg	120	33.	40
tert-Butylbenzene	ND		ug/kg	600	72.	40
o-Chlorotoluene	ND		ug/kg	600	37.	40
p-Chlorotoluene	ND		ug/kg	600	43.	40
1,2-Dibromo-3-chloropropane	ND		ug/kg	600	100	40
Hexachlorobutadiene	ND		ug/kg	600	54.	40
Isopropylbenzene	230		ug/kg	120	21.	40
p-Isopropyltoluene	440		ug/kg	120	32.	40
Acrylonitrile	ND		ug/kg	1200	45.	40
n-Propylbenzene	1800		ug/kg	120	34.	40
1,2,3-Trichlorobenzene	ND		ug/kg	600	48.	40
1,2,4-Trichlorobenzene	ND		ug/kg	600	94.	40
1,3,5-Trimethylbenzene	2600		ug/kg	600	72.	40
1,2,4-Trimethylbenzene	6400		ug/kg	600	68.	40
1,4-Diethylbenzene	14000		ug/kg	480	24.	40
4-Ethyltoluene	6400		ug/kg	480	12.	40
1,2,4,5-Tetramethylbenzene	4500		ug/kg	480	22.	40
Ethyl ether	ND		ug/kg	600	45.	40

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-18 D

Date Collected: 04/17/12 14:45

Client ID: SB-18 (7-9)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

trans-1,4-Dichloro-2-butene	ND		ug/kg	600	180	40

Tentatively Identified Compounds

Pentane, 2-methyl-	17000	J	ug/kg			40
Hexane, 2-methyl-	16000	J	ug/kg			40
Hexane, 3-methyl-	28000	J	ug/kg			40
Unknown	18000	J	ug/kg			40
Unknown	22000	J	ug/kg			40
Unknown	16000	J	ug/kg			40
Unknown	17000	J	ug/kg			40
Heptane, 3-methyl-	18000	J	ug/kg			40
Unknown Cycloalkane	16000	J	ug/kg			40
Octane	16000	J	ug/kg			40

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	124		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	88		70-130

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-20

Date Collected: 04/17/12 17:00

Client ID: SB-17 (0-2)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Matrix: Soil

Analytical Method: 1,8260B

Analytical Date: 04/20/12 22:43

Analyst: JL

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	30	2.4	1
1,1-Dichloroethane	ND		ug/kg	4.5	0.88	1
Chloroform	ND		ug/kg	4.5	0.97	1
Carbon tetrachloride	ND		ug/kg	3.0	0.63	1
1,2-Dichloropropane	ND		ug/kg	10	0.76	1
Dibromochloromethane	ND		ug/kg	3.0	0.92	1
1,1,2-Trichloroethane	ND		ug/kg	4.5	1.2	1
Tetrachloroethene	ND		ug/kg	3.0	0.91	1
Chlorobenzene	ND		ug/kg	3.0	0.55	1
Trichlorofluoromethane	ND		ug/kg	15	1.2	1
1,2-Dichloroethane	ND		ug/kg	3.0	0.68	1
1,1,1-Trichloroethane	ND		ug/kg	3.0	0.80	1
Bromodichloromethane	ND		ug/kg	3.0	1.1	1
trans-1,3-Dichloropropene	ND		ug/kg	3.0	0.89	1
cis-1,3-Dichloropropene	ND		ug/kg	3.0	0.80	1
1,1-Dichloropropene	ND		ug/kg	15	1.4	1
Bromoform	ND		ug/kg	12	1.5	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.0	0.71	1
Benzene	ND		ug/kg	3.0	0.88	1
Toluene	ND		ug/kg	4.5	0.72	1
Ethylbenzene	ND		ug/kg	3.0	0.66	1
Chloromethane	ND		ug/kg	15	2.3	1
Bromomethane	ND		ug/kg	6.0	1.9	1
Vinyl chloride	ND		ug/kg	6.0	2.2	1
Chloroethane	ND		ug/kg	6.0	1.3	1
1,1-Dichloroethene	ND		ug/kg	3.0	0.77	1
trans-1,2-Dichloroethene	ND		ug/kg	4.5	1.2	1
Trichloroethene	ND		ug/kg	3.0	0.67	1
1,2-Dichlorobenzene	ND		ug/kg	15	1.1	1
1,3-Dichlorobenzene	ND		ug/kg	15	1.2	1
1,4-Dichlorobenzene	ND		ug/kg	15	1.2	1

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-20

Date Collected: 04/17/12 17:00

Client ID: SB-17 (0-2)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

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	6.0	1.4	1
p/m-Xylene	ND		ug/kg	6.0	1.3	1
o-Xylene	ND		ug/kg	6.0	1.2	1
cis-1,2-Dichloroethene	ND		ug/kg	3.0	0.90	1
Dibromomethane	ND		ug/kg	30	1.3	1
Styrene	ND		ug/kg	6.0	2.2	1
Dichlorodifluoromethane	ND		ug/kg	30	1.2	1
Acetone	ND		ug/kg	30	9.6	1
Carbon disulfide	ND		ug/kg	30	1.1	1
2-Butanone	ND		ug/kg	30	12.	1
Vinyl acetate	ND		ug/kg	30	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	30	2.4	1
1,2,3-Trichloropropane	ND		ug/kg	30	1.2	1
2-Hexanone	ND		ug/kg	30	1.2	1
Bromochloromethane	ND		ug/kg	15	0.90	1
2,2-Dichloropropane	ND		ug/kg	15	2.4	1
1,2-Dibromoethane	ND		ug/kg	12	1.2	1
1,3-Dichloropropane	ND		ug/kg	15	1.7	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.0	0.98	1
Bromobenzene	ND		ug/kg	15	0.66	1
n-Butylbenzene	ND		ug/kg	3.0	0.94	1
sec-Butylbenzene	ND		ug/kg	3.0	0.82	1
tert-Butylbenzene	ND		ug/kg	15	1.8	1
o-Chlorotoluene	ND		ug/kg	15	0.93	1
p-Chlorotoluene	ND		ug/kg	15	1.1	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	15	2.5	1
Hexachlorobutadiene	ND		ug/kg	15	1.4	1
Isopropylbenzene	ND		ug/kg	3.0	0.53	1
p-Isopropyltoluene	ND		ug/kg	3.0	0.81	1
Acrylonitrile	ND		ug/kg	30	1.1	1
n-Propylbenzene	ND		ug/kg	3.0	0.84	1
1,2,3-Trichlorobenzene	ND		ug/kg	15	1.2	1
1,2,4-Trichlorobenzene	ND		ug/kg	15	2.4	1
1,3,5-Trimethylbenzene	ND		ug/kg	15	1.8	1
1,2,4-Trimethylbenzene	ND		ug/kg	15	1.7	1
1,4-Diethylbenzene	ND		ug/kg	12	0.60	1
4-Ethyltoluene	ND		ug/kg	12	0.29	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	12	0.54	1
Ethyl ether	ND		ug/kg	15	1.1	1

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-20

Date Collected: 04/17/12 17:00

Client ID: SB-17 (0-2)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

trans-1,4-Dichloro-2-butene	ND		ug/kg	15	4.4	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	89		70-130

Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1206819

Project Number: 0236-001-101

Report Date: 04/26/12

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260B
 Analytical Date: 04/20/12 14:58
 Analyst: JL

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-05,07-08,13-14,17-18,20 Batch: WG530746-3					
Methylene chloride	5.5	J	ug/kg	25	2.0
1,1-Dichloroethane	ND		ug/kg	3.8	0.74
Chloroform	ND		ug/kg	3.8	0.81
Carbon tetrachloride	ND		ug/kg	2.5	0.53
1,2-Dichloropropane	ND		ug/kg	8.8	0.64
Dibromochloromethane	ND		ug/kg	2.5	0.77
1,1,2-Trichloroethane	ND		ug/kg	3.8	0.98
Tetrachloroethene	ND		ug/kg	2.5	0.76
Chlorobenzene	ND		ug/kg	2.5	0.46
Trichlorofluoromethane	ND		ug/kg	12	0.98
1,2-Dichloroethane	ND		ug/kg	2.5	0.57
1,1,1-Trichloroethane	ND		ug/kg	2.5	0.67
Bromodichloromethane	ND		ug/kg	2.5	0.96
trans-1,3-Dichloropropene	ND		ug/kg	2.5	0.75
cis-1,3-Dichloropropene	ND		ug/kg	2.5	0.67
1,1-Dichloropropene	ND		ug/kg	12	1.1
Bromoform	ND		ug/kg	10	1.2
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.5	0.60
Benzene	ND		ug/kg	2.5	0.74
Toluene	ND		ug/kg	3.8	0.60
Ethylbenzene	ND		ug/kg	2.5	0.55
Chloromethane	ND		ug/kg	12	2.0
Bromomethane	ND		ug/kg	5.0	1.6
Vinyl chloride	ND		ug/kg	5.0	1.9
Chloroethane	ND		ug/kg	5.0	1.1
1,1-Dichloroethene	ND		ug/kg	2.5	0.65
trans-1,2-Dichloroethene	ND		ug/kg	3.8	0.98
Trichloroethene	ND		ug/kg	2.5	0.56
1,2-Dichlorobenzene	ND		ug/kg	12	0.91
1,3-Dichlorobenzene	ND		ug/kg	12	1.0

Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1206819

Project Number: 0236-001-101

Report Date: 04/26/12

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260B
 Analytical Date: 04/20/12 14:58
 Analyst: JL

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-05,07-08,13-14,17-18,20 Batch: WG530746-3					
1,4-Dichlorobenzene	ND		ug/kg	12	1.0
Methyl tert butyl ether	ND		ug/kg	5.0	1.2
p/m-Xylene	ND		ug/kg	5.0	1.1
o-Xylene	ND		ug/kg	5.0	1.0
cis-1,2-Dichloroethene	ND		ug/kg	2.5	0.75
Dibromomethane	ND		ug/kg	25	1.1
Styrene	ND		ug/kg	5.0	1.8
Dichlorodifluoromethane	ND		ug/kg	25	0.97
Acetone	ND		ug/kg	25	8.1
Carbon disulfide	ND		ug/kg	25	0.94
2-Butanone	ND		ug/kg	25	9.7
Vinyl acetate	ND		ug/kg	25	1.9
4-Methyl-2-pentanone	ND		ug/kg	25	2.0
1,2,3-Trichloropropane	ND		ug/kg	25	0.97
2-Hexanone	ND		ug/kg	25	0.99
Bromochloromethane	ND		ug/kg	12	0.76
2,2-Dichloropropane	ND		ug/kg	12	2.0
1,2-Dibromoethane	ND		ug/kg	10	1.0
1,3-Dichloropropane	ND		ug/kg	12	1.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.5	0.82
Bromobenzene	ND		ug/kg	12	0.55
n-Butylbenzene	ND		ug/kg	2.5	0.79
sec-Butylbenzene	ND		ug/kg	2.5	0.69
tert-Butylbenzene	ND		ug/kg	12	1.5
o-Chlorotoluene	ND		ug/kg	12	0.78
p-Chlorotoluene	ND		ug/kg	12	0.90
1,2-Dibromo-3-chloropropane	ND		ug/kg	12	2.1
Hexachlorobutadiene	ND		ug/kg	12	1.1
Isopropylbenzene	ND		ug/kg	2.5	0.44
p-Isopropyltoluene	ND		ug/kg	2.5	0.68

Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1206819

Project Number: 0236-001-101

Report Date: 04/26/12

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260B
 Analytical Date: 04/20/12 14:58
 Analyst: JL

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-05,07-08,13-14,17-18,20 Batch: WG530746-3					
Naphthalene	ND		ug/kg	12	1.9
Acrylonitrile	ND		ug/kg	25	0.94
Isopropyl Ether	ND		ug/kg	10	1.0
tert-Butyl Alcohol	ND		ug/kg	150	3.1
n-Propylbenzene	ND		ug/kg	2.5	0.71
1,2,3-Trichlorobenzene	ND		ug/kg	12	1.0
1,2,4-Trichlorobenzene	ND		ug/kg	12	2.0
1,3,5-Trimethylbenzene	ND		ug/kg	12	1.5
1,2,4-Trimethylbenzene	ND		ug/kg	12	1.4
Methyl Acetate	ND		ug/kg	50	50.
Ethyl Acetate	ND		ug/kg	50	50.
Acrolein	ND		ug/kg	62	7.5
Cyclohexane	ND		ug/kg	50	50.
1,4-Dioxane	ND		ug/kg	250	44.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	50	0.99
1,4-Diethylbenzene	ND		ug/kg	10	0.50
4-Ethyltoluene	ND		ug/kg	10	0.24
1,2,4,5-Tetramethylbenzene	ND		ug/kg	10	0.45
Tetrahydrofuran	ND		ug/kg	50	2.8
Ethyl ether	ND		ug/kg	12	0.95
trans-1,4-Dichloro-2-butene	ND		ug/kg	12	3.7
Methyl cyclohexane	ND		ug/kg	10	10.

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg

Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1206819

Project Number: 0236-001-101

Report Date: 04/26/12

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260B

Analytical Date: 04/20/12 14:58

Analyst: JL

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-05,07-08,13-14,17-18,20 Batch: WG530746-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	100		70-130

Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1206819

Project Number: 0236-001-101

Report Date: 04/26/12

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260B

Analytical Date: 04/23/12 09:07

Analyst: JL

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 13 Batch: WG530746-6					
Methylene chloride	9.5	J	ug/kg	25	2.0
1,1-Dichloroethane	ND		ug/kg	3.8	0.74
Chloroform	ND		ug/kg	3.8	0.81
Carbon tetrachloride	ND		ug/kg	2.5	0.53
1,2-Dichloropropane	ND		ug/kg	8.8	0.64
Dibromochloromethane	ND		ug/kg	2.5	0.77
1,1,2-Trichloroethane	ND		ug/kg	3.8	0.98
Tetrachloroethene	ND		ug/kg	2.5	0.76
Chlorobenzene	ND		ug/kg	2.5	0.46
Trichlorofluoromethane	ND		ug/kg	12	0.98
1,2-Dichloroethane	ND		ug/kg	2.5	0.57
1,1,1-Trichloroethane	ND		ug/kg	2.5	0.67
Bromodichloromethane	ND		ug/kg	2.5	0.96
trans-1,3-Dichloropropene	ND		ug/kg	2.5	0.75
cis-1,3-Dichloropropene	ND		ug/kg	2.5	0.67
1,1-Dichloropropene	ND		ug/kg	12	1.1
Bromoform	ND		ug/kg	10	1.2
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.5	0.60
Benzene	ND		ug/kg	2.5	0.74
Toluene	ND		ug/kg	3.8	0.60
Ethylbenzene	ND		ug/kg	2.5	0.55
Chloromethane	ND		ug/kg	12	2.0
Bromomethane	ND		ug/kg	5.0	1.6
Vinyl chloride	ND		ug/kg	5.0	1.9
Chloroethane	ND		ug/kg	5.0	1.1
1,1-Dichloroethene	ND		ug/kg	2.5	0.65
trans-1,2-Dichloroethene	ND		ug/kg	3.8	0.98
Trichloroethene	ND		ug/kg	2.5	0.56
1,2-Dichlorobenzene	ND		ug/kg	12	0.91
1,3-Dichlorobenzene	ND		ug/kg	12	1.0
1,4-Dichlorobenzene	ND		ug/kg	12	1.0



Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1206819

Project Number: 0236-001-101

Report Date: 04/26/12

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260B
 Analytical Date: 04/23/12 09:07
 Analyst: JL

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 13 Batch: WG530746-6					
Methyl tert butyl ether	ND		ug/kg	5.0	1.2
p/m-Xylene	ND		ug/kg	5.0	1.1
o-Xylene	ND		ug/kg	5.0	1.0
cis-1,2-Dichloroethene	ND		ug/kg	2.5	0.75
Dibromomethane	ND		ug/kg	25	1.1
Styrene	ND		ug/kg	5.0	1.8
Dichlorodifluoromethane	ND		ug/kg	25	0.97
Acetone	ND		ug/kg	25	8.1
Carbon disulfide	ND		ug/kg	25	0.94
2-Butanone	ND		ug/kg	25	9.7
Vinyl acetate	ND		ug/kg	25	1.9
4-Methyl-2-pentanone	ND		ug/kg	25	2.0
1,2,3-Trichloropropane	ND		ug/kg	25	0.97
2-Hexanone	ND		ug/kg	25	0.99
Bromochloromethane	ND		ug/kg	12	0.76
2,2-Dichloropropane	ND		ug/kg	12	2.0
1,2-Dibromoethane	ND		ug/kg	10	1.0
1,3-Dichloropropane	ND		ug/kg	12	1.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.5	0.82
Bromobenzene	ND		ug/kg	12	0.55
n-Butylbenzene	ND		ug/kg	2.5	0.79
sec-Butylbenzene	ND		ug/kg	2.5	0.69
tert-Butylbenzene	ND		ug/kg	12	1.5
o-Chlorotoluene	ND		ug/kg	12	0.78
p-Chlorotoluene	ND		ug/kg	12	0.90
1,2-Dibromo-3-chloropropane	ND		ug/kg	12	2.1
Hexachlorobutadiene	ND		ug/kg	12	1.1
Isopropylbenzene	ND		ug/kg	2.5	0.44
p-Isopropyltoluene	ND		ug/kg	2.5	0.68
Naphthalene	ND		ug/kg	12	1.9
Acrylonitrile	ND		ug/kg	25	0.94

Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1206819

Project Number: 0236-001-101

Report Date: 04/26/12

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260B

Analytical Date: 04/23/12 09:07

Analyst: JL

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 13 Batch: WG530746-6					
n-Propylbenzene	ND		ug/kg	2.5	0.71
1,2,3-Trichlorobenzene	ND		ug/kg	12	1.0
1,2,4-Trichlorobenzene	ND		ug/kg	12	2.0
1,3,5-Trimethylbenzene	ND		ug/kg	12	1.5
1,2,4-Trimethylbenzene	ND		ug/kg	12	1.4
1,4-Diethylbenzene	ND		ug/kg	10	0.50
4-Ethyltoluene	ND		ug/kg	10	0.24
1,2,4,5-Tetramethylbenzene	ND		ug/kg	10	0.45
Ethyl ether	ND		ug/kg	12	0.95
trans-1,4-Dichloro-2-butene	ND		ug/kg	12	3.7

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	107		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1206819

Project Number: 0236-001-101

Report Date: 04/26/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-05,07-08,13-14,17-18,20 Batch: WG530746-1 WG530746-2								
Methylene chloride	104		107		70-130	3		30
1,1-Dichloroethane	91		95		70-130	4		30
Chloroform	97		101		70-130	4		30
Carbon tetrachloride	90		94		70-130	4		30
1,2-Dichloropropane	82		87		70-130	6		30
Dibromochloromethane	87		90		70-130	3		30
1,1,2-Trichloroethane	87		93		70-130	7		30
Tetrachloroethene	97		102		70-130	5		30
Chlorobenzene	90		94		70-130	4		30
Trichlorofluoromethane	102		106		70-139	4		30
1,2-Dichloroethane	99		104		70-130	5		30
1,1,1-Trichloroethane	102		107		70-130	5		30
Bromodichloromethane	96		100		70-130	4		30
trans-1,3-Dichloropropene	69	Q	73		70-130	6		30
cis-1,3-Dichloropropene	77		82		70-130	6		30
1,1-Dichloropropene	92		97		70-130	5		30
Bromoform	93		96		70-130	3		30
1,1,2,2-Tetrachloroethane	92		95		70-130	3		30
Benzene	88		92		70-130	4		30
Toluene	89		94		70-130	5		30
Ethylbenzene	92		97		70-130	5		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1206819

Project Number: 0236-001-101

Report Date: 04/26/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-05,07-08,13-14,17-18,20 Batch: WG530746-1 WG530746-2								
Chloromethane	76		78		52-130	3		30
Bromomethane	103		108		57-147	5		30
Vinyl chloride	92		93		67-130	1		30
Chloroethane	98		102		50-151	4		30
1,1-Dichloroethene	95		97		65-135	2		30
trans-1,2-Dichloroethene	94		98		70-130	4		30
Trichloroethene	92		98		70-130	6		30
1,2-Dichlorobenzene	89		95		70-130	7		30
1,3-Dichlorobenzene	89		96		70-130	8		30
1,4-Dichlorobenzene	88		93		70-130	6		30
Methyl tert butyl ether	88		91		66-130	3		30
p/m-Xylene	92		97		70-130	5		30
o-Xylene	92		96		70-130	4		30
cis-1,2-Dichloroethene	90		95		70-130	5		30
Dibromomethane	96		100		70-130	4		30
Styrene	91		96		70-130	5		30
Dichlorodifluoromethane	61		60		30-146	2		30
Acetone	100		134		54-140	29		30
Carbon disulfide	91		95		59-130	4		30
2-Butanone	89		90		70-130	1		30
Vinyl acetate	90		95		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285-295 NIAGARA ST SITE

Project Number: 0236-001-101

Lab Number: L1206819

Report Date: 04/26/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-05,07-08,13-14,17-18,20 Batch: WG530746-1 WG530746-2								
4-Methyl-2-pentanone	87		92		70-130	6		30
1,2,3-Trichloropropane	92		96		68-130	4		30
2-Hexanone	88		97		70-130	10		30
Bromochloromethane	89		96		70-130	8		30
2,2-Dichloropropane	77		79		70-130	3		30
1,2-Dibromoethane	90		95		70-130	5		30
1,3-Dichloropropane	84		89		69-130	6		30
1,1,1,2-Tetrachloroethane	96		103		70-130	7		30
Bromobenzene	91		97		70-130	6		30
n-Butylbenzene	91		97		70-130	6		30
sec-Butylbenzene	94		100		70-130	6		30
tert-Butylbenzene	95		101		70-130	6		30
o-Chlorotoluene	92		99		70-130	7		30
p-Chlorotoluene	91		95		70-130	4		30
1,2-Dibromo-3-chloropropane	81		86		68-130	6		30
Hexachlorobutadiene	97		101		67-130	4		30
Isopropylbenzene	94		99		70-130	5		30
p-Isopropyltoluene	96		102		70-130	6		30
Naphthalene	71		73		70-130	3		30
Acrylonitrile	91		94		70-130	3		30
Isopropyl Ether	82		86		66-130	5		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 285-295 NIAGARA ST SITE

Project Number: 0236-001-101

Lab Number: L1206819

Report Date: 04/26/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-05,07-08,13-14,17-18,20 Batch: WG530746-1 WG530746-2								
tert-Butyl Alcohol	89		92		70-130	3		30
n-Propylbenzene	93		99		70-130	6		30
1,2,3-Trichlorobenzene	81		86		70-130	6		30
1,2,4-Trichlorobenzene	81		86		70-130	6		30
1,3,5-Trimethylbenzene	95		101		70-130	6		30
1,2,4-Trimethylbenzene	94		100		70-130	6		30
Methyl Acetate	75		74		70-130	1		30
Ethyl Acetate	88		92		70-130	4		30
Acrolein	104		104		70-130	0		30
Cyclohexane	77		82		70-130	6		30
1,4-Dioxane	88		94		65-136	7		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	95		98		70-130	3		30
1,4-Diethylbenzene	92		98		70-130	6		30
4-Ethyltoluene	92		98		70-130	6		30
1,2,4,5-Tetramethylbenzene	86		91		70-130	6		30
Ethyl ether	91		92		67-130	1		30
trans-1,4-Dichloro-2-butene	93		94		70-130	1		30
Methyl cyclohexane	86		91		70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1206819

Project Number: 0236-001-101

Report Date: 04/26/12

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

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-05,07-08,13-14,17-18,20 Batch: WG530746-1 WG530746-2

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	109		112		70-130
Toluene-d8	91		95		70-130
4-Bromofluorobenzene	89		94		70-130
Dibromofluoromethane	100		105		70-130

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 13 Batch: WG530746-4 WG530746-5

Methylene chloride	123		124		70-130	1	30
1,1-Dichloroethane	103		104		70-130	1	30
Chloroform	109		107		70-130	2	30
Carbon tetrachloride	104		103		70-130	1	30
1,2-Dichloropropane	96		97		70-130	1	30
Dibromochloromethane	100		99		70-130	1	30
1,1,2-Trichloroethane	105		104		70-130	1	30
Tetrachloroethene	112		111		70-130	1	30
Chlorobenzene	104		104		70-130	0	30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 285-295 NIAGARA ST SITE

Project Number: 0236-001-101

Lab Number: L1206819

Report Date: 04/26/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 13 Batch: WG530746-4 WG530746-5								
Trichlorofluoromethane	118		114		70-139	3		30
1,2-Dichloroethane	113		112		70-130	1		30
1,1,1-Trichloroethane	113		112		70-130	1		30
Bromodichloromethane	108		107		70-130	1		30
trans-1,3-Dichloropropene	76		79		70-130	4		30
cis-1,3-Dichloropropene	86		87		70-130	1		30
1,1-Dichloropropene	107		106		70-130	1		30
Bromoform	104		105		70-130	1		30
1,1,2,2-Tetrachloroethane	108		105		70-130	3		30
Benzene	102		101		70-130	1		30
Toluene	102		103		70-130	1		30
Ethylbenzene	105		105		70-130	0		30
Chloromethane	96		96		52-130	0		30
Bromomethane	107		110		57-147	3		30
Vinyl chloride	113		108		67-130	5		30
Chloroethane	107		113		50-151	5		30
1,1-Dichloroethene	108		105		65-135	3		30
trans-1,2-Dichloroethene	105		104		70-130	1		30
Trichloroethene	105		106		70-130	1		30
1,2-Dichlorobenzene	105		106		70-130	1		30
1,3-Dichlorobenzene	105		106		70-130	1		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 285-295 NIAGARA ST SITE

Project Number: 0236-001-101

Lab Number: L1206819

Report Date: 04/26/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 13 Batch: WG530746-4 WG530746-5								
1,4-Dichlorobenzene	102		103		70-130	1		30
Methyl tert butyl ether	102		102		66-130	0		30
p/m-Xylene	105		106		70-130	1		30
o-Xylene	104		105		70-130	1		30
cis-1,2-Dichloroethene	104		103		70-130	1		30
Dibromomethane	112		112		70-130	0		30
Styrene	104		104		70-130	0		30
Dichlorodifluoromethane	98		92		30-146	6		30
Acetone	149	Q	144	Q	54-140	3		30
Carbon disulfide	101		100		59-130	1		30
2-Butanone	86		90		70-130	5		30
Vinyl acetate	103		103		70-130	0		30
4-Methyl-2-pentanone	94		92		70-130	2		30
1,2,3-Trichloropropane	107		106		68-130	1		30
2-Hexanone	101		104		70-130	3		30
Bromochloromethane	105		107		70-130	2		30
2,2-Dichloropropane	78		86		70-130	10		30
1,2-Dibromoethane	104		102		70-130	2		30
1,3-Dichloropropane	96		98		69-130	2		30
1,1,1,2-Tetrachloroethane	108		111		70-130	3		30
Bromobenzene	105		107		70-130	2		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1206819

Project Number: 0236-001-101

Report Date: 04/26/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 13 Batch: WG530746-4 WG530746-5								
n-Butylbenzene	107		108		70-130	1		30
sec-Butylbenzene	110		110		70-130	0		30
tert-Butylbenzene	110		111		70-130	1		30
o-Chlorotoluene	108		109		70-130	1		30
p-Chlorotoluene	104		106		70-130	2		30
1,2-Dibromo-3-chloropropane	96		96		68-130	0		30
Hexachlorobutadiene	111		112		67-130	1		30
Isopropylbenzene	108		108		70-130	0		30
p-Isopropyltoluene	110		112		70-130	2		30
Naphthalene	81		83		70-130	2		30
Acrylonitrile	108		108		70-130	0		30
n-Propylbenzene	107		109		70-130	2		30
1,2,3-Trichlorobenzene	95		97		70-130	2		30
1,2,4-Trichlorobenzene	94		97		70-130	3		30
1,3,5-Trimethylbenzene	111		111		70-130	0		30
1,2,4-Trimethylbenzene	110		109		70-130	1		30
1,4-Diethylbenzene	105		105		70-130	0		30
4-Ethyltoluene	100		101		70-130	1		30
1,2,4,5-Tetramethylbenzene	97		98		70-130	1		30
Ethyl ether	104		103		67-130	1		30
trans-1,4-Dichloro-2-butene	105		102		70-130	3		30

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12

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

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 13 Batch: WG530746-4 WG530746-5

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	121		124		70-130
Toluene-d8	105		109		70-130
4-Bromofluorobenzene	103		108		70-130
Dibromofluoromethane	110		114		70-130

SEMIVOLATILES

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-01 D
 Client ID: SB-01 (0-2)
 Sample Location: 285-295 NIAGARA ST.
 Matrix: Soil
 Analytical Method: 1,8270C
 Analytical Date: 04/24/12 13:08
 Analyst: JC
 Percent Solids: 80%

Date Collected: 04/16/12 09:00
 Date Received: 04/19/12
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 04/21/12 00:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/kg	810	170	100
2-Chloronaphthalene	ND		ug/kg	810	190	100
Fluoranthene	800	J	ug/kg	810	120	100
Hexachlorobutadiene	ND		ug/kg	2000	170	100
Naphthalene	ND		ug/kg	810	230	100
Benzo(a)anthracene	340	J	ug/kg	810	130	100
Benzo(a)pyrene	ND		ug/kg	810	220	100
Benzo(b)fluoranthene	ND		ug/kg	810	180	100
Benzo(k)fluoranthene	ND		ug/kg	810	180	100
Chrysene	330	J	ug/kg	810	200	100
Acenaphthylene	ND		ug/kg	810	180	100
Anthracene	ND		ug/kg	810	160	100
Benzo(ghi)perylene	ND		ug/kg	810	180	100
Fluorene	ND		ug/kg	810	120	100
Phenanthrene	480	J	ug/kg	810	180	100
Dibenzo(a,h)anthracene	ND		ug/kg	810	140	100
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	810	170	100
Pyrene	560	J	ug/kg	810	170	100
2-Methylnaphthalene	ND		ug/kg	810	250	100
Pentachlorophenol	ND		ug/kg	3200	980	100
Hexachlorobenzene	ND		ug/kg	3200	170	100
Hexachloroethane	ND		ug/kg	3200	180	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	0	Q	25-120
Phenol-d6	0	Q	10-120
Nitrobenzene-d5	0	Q	23-120
2-Fluorobiphenyl	0	Q	30-120
2,4,6-Tribromophenol	0		0-136
4-Terphenyl-d14	0	Q	18-120

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-01 D
Client ID: SB-01 (0-2)
Sample Location: 285-295 NIAGARA ST.
Matrix: Soil
Analytical Method: 1,8270C
Analytical Date: 04/25/12 04:07
Analyst: RC
Percent Solids: 80%

Date Collected: 04/16/12 09:00
Date Received: 04/19/12
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/21/12 00:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/kg	810	240	4
Bis(2-chloroethyl)ether	ND		ug/kg	730	150	4
1,2-Dichlorobenzene	ND		ug/kg	810	240	4
1,3-Dichlorobenzene	ND		ug/kg	810	250	4
1,4-Dichlorobenzene	ND		ug/kg	810	230	4
3,3'-Dichlorobenzidine	ND		ug/kg	810	290	4
2,4-Dinitrotoluene	ND		ug/kg	810	240	4
2,6-Dinitrotoluene	ND		ug/kg	810	270	4
4-Chlorophenyl phenyl ether	ND		ug/kg	810	140	4
4-Bromophenyl phenyl ether	ND		ug/kg	810	170	4
Bis(2-chloroisopropyl)ether	ND		ug/kg	970	230	4
Bis(2-chloroethoxy)methane	ND		ug/kg	870	200	4
Hexachlorocyclopentadiene	ND		ug/kg	2300	640	4
Isophorone	ND		ug/kg	730	190	4
Nitrobenzene	ND		ug/kg	730	240	4
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	650	200	4
n-Nitrosodi-n-propylamine	ND		ug/kg	810	230	4
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	810	170	4
Butyl benzyl phthalate	ND		ug/kg	810	230	4
Di-n-butylphthalate	ND		ug/kg	810	140	4
Di-n-octylphthalate	ND		ug/kg	810	220	4
Diethyl phthalate	ND		ug/kg	810	140	4
Dimethyl phthalate	ND		ug/kg	810	130	4
Biphenyl	ND		ug/kg	1800	560	4
4-Chloroaniline	ND		ug/kg	810	270	4
2-Nitroaniline	ND		ug/kg	810	150	4
3-Nitroaniline	ND		ug/kg	810	91.	4
4-Nitroaniline	ND		ug/kg	810	490	4
Dibenzofuran	ND		ug/kg	810	170	4
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	810	260	4
Acetophenone	ND		ug/kg	810	260	4

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-01 D

Date Collected: 04/16/12 09:00

Client ID: SB-01 (0-2)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/kg	480	150	4
P-Chloro-M-Cresol	ND		ug/kg	810	160	4
2-Chlorophenol	ND		ug/kg	810	250	4
2,4-Dichlorophenol	ND		ug/kg	730	240	4
2,4-Dimethylphenol	ND		ug/kg	810	330	4
2-Nitrophenol	ND		ug/kg	1700	590	4
4-Nitrophenol	ND		ug/kg	1100	340	4
2,4-Dinitrophenol	ND		ug/kg	3900	1200	4
4,6-Dinitro-o-cresol	ND		ug/kg	2100	760	4
Phenol	ND		ug/kg	810	250	4
2-Methylphenol	ND		ug/kg	810	200	4
3-Methylphenol/4-Methylphenol	ND		ug/kg	1200	350	4
2,4,5-Trichlorophenol	ND		ug/kg	810	190	4
Benzoic Acid	ND		ug/kg	2600	680	4
Benzyl Alcohol	ND		ug/kg	810	190	4
Carbazole	ND		ug/kg	810	130	4

Tentatively Identified Compounds

Cyclic octaatomic sulfur	7000	J	ug/kg	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		25-120
Phenol-d6	87		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	82		30-120
2,4,6-Tribromophenol	81		0-136
4-Terphenyl-d14	86		18-120

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-02

Date Collected: 04/16/12 09:15

Client ID: SB-02 (3-5)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270C

Extraction Date: 04/21/12 00:34

Analytical Date: 04/23/12 13:07

Analyst: RC

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/kg	190	55.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	36.	1
1,2-Dichlorobenzene	ND		ug/kg	190	55.	1
1,3-Dichlorobenzene	ND		ug/kg	190	58.	1
1,4-Dichlorobenzene	ND		ug/kg	190	53.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	68.	1
2,4-Dinitrotoluene	ND		ug/kg	190	56.	1
2,6-Dinitrotoluene	ND		ug/kg	190	62.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	33.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	39.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	53.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	47.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	150	1
Isophorone	ND		ug/kg	170	45.	1
Nitrobenzene	ND		ug/kg	170	55.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	47.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	52.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	39.	1
Butyl benzyl phthalate	ND		ug/kg	190	53.	1
Di-n-butylphthalate	ND		ug/kg	190	32.	1
Di-n-octylphthalate	ND		ug/kg	190	51.	1
Diethyl phthalate	ND		ug/kg	190	32.	1
Dimethyl phthalate	ND		ug/kg	190	31.	1
Biphenyl	ND		ug/kg	430	130	1
4-Chloroaniline	ND		ug/kg	190	63.	1
2-Nitroaniline	ND		ug/kg	190	34.	1
3-Nitroaniline	ND		ug/kg	190	21.	1
4-Nitroaniline	ND		ug/kg	190	110	1
Dibenzofuran	ND		ug/kg	190	39.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	60.	1
Acetophenone	ND		ug/kg	190	60.	1

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-02

Date Collected: 04/16/12 09:15

Client ID: SB-02 (3-5)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
P-Chloro-M-Cresol	ND		ug/kg	190	38.	1
2-Chlorophenol	ND		ug/kg	190	59.	1
2,4-Dichlorophenol	ND		ug/kg	170	54.	1
2,4-Dimethylphenol	ND		ug/kg	190	77.	1
2-Nitrophenol	ND		ug/kg	400	140	1
4-Nitrophenol	ND		ug/kg	260	80.	1
2,4-Dinitrophenol	ND		ug/kg	900	290	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	180	1
Phenol	ND		ug/kg	190	59.	1
2-Methylphenol	ND		ug/kg	190	46.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	81.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	44.	1
Benzoic Acid	ND		ug/kg	610	160	1
Benzyl Alcohol	ND		ug/kg	190	44.	1
Carbazole	ND		ug/kg	190	30.	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		25-120
Phenol-d6	48		10-120
Nitrobenzene-d5	39		23-120
2-Fluorobiphenyl	45		30-120
2,4,6-Tribromophenol	50		0-136
4-Terphenyl-d14	60		18-120

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-02

Date Collected: 04/16/12 09:15

Client ID: SB-02 (3-5)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270C

Extraction Date: 04/21/12 00:46

Analytical Date: 04/24/12 13:34

Analyst: JC

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/kg	7.5	1.6	1
2-Chloronaphthalene	ND		ug/kg	7.5	1.7	1
Fluoranthene	ND		ug/kg	7.5	1.1	1
Hexachlorobutadiene	ND		ug/kg	19	1.6	1
Naphthalene	ND		ug/kg	7.5	2.1	1
Benzo(a)anthracene	ND		ug/kg	7.5	1.2	1
Benzo(a)pyrene	ND		ug/kg	7.5	2.1	1
Benzo(b)fluoranthene	ND		ug/kg	7.5	1.6	1
Benzo(k)fluoranthene	ND		ug/kg	7.5	1.6	1
Chrysene	ND		ug/kg	7.5	1.8	1
Acenaphthylene	ND		ug/kg	7.5	1.6	1
Anthracene	ND		ug/kg	7.5	1.5	1
Benzo(ghi)perylene	ND		ug/kg	7.5	1.6	1
Fluorene	ND		ug/kg	7.5	1.1	1
Phenanthrene	ND		ug/kg	7.5	1.7	1
Dibenzo(a,h)anthracene	ND		ug/kg	7.5	1.3	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	7.5	1.6	1
Pyrene	ND		ug/kg	7.5	1.6	1
2-Methylnaphthalene	ND		ug/kg	7.5	2.3	1
Pentachlorophenol	ND		ug/kg	30	9.1	1
Hexachlorobenzene	ND		ug/kg	30	1.6	1
Hexachloroethane	ND		ug/kg	30	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		25-120
Phenol-d6	51		10-120
Nitrobenzene-d5	49		23-120
2-Fluorobiphenyl	45		30-120
2,4,6-Tribromophenol	59		0-136
4-Terphenyl-d14	64		18-120

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-03

Date Collected: 04/16/12 10:00

Client ID: SB-03 (5-7)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270C

Extraction Date: 04/21/12 00:34

Analytical Date: 04/23/12 13:33

Analyst: RC

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/kg	190	55.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	36.	1
1,2-Dichlorobenzene	ND		ug/kg	190	56.	1
1,3-Dichlorobenzene	ND		ug/kg	190	59.	1
1,4-Dichlorobenzene	ND		ug/kg	190	54.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	68.	1
2,4-Dinitrotoluene	ND		ug/kg	190	57.	1
2,6-Dinitrotoluene	ND		ug/kg	190	62.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	33.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	39.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	54.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	48.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	150	1
Isophorone	ND		ug/kg	170	45.	1
Nitrobenzene	ND		ug/kg	170	55.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	48.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	53.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	39.	1
Butyl benzyl phthalate	ND		ug/kg	190	53.	1
Di-n-butylphthalate	ND		ug/kg	190	32.	1
Di-n-octylphthalate	ND		ug/kg	190	51.	1
Diethyl phthalate	ND		ug/kg	190	33.	1
Dimethyl phthalate	ND		ug/kg	190	31.	1
Biphenyl	ND		ug/kg	430	130	1
4-Chloroaniline	ND		ug/kg	190	64.	1
2-Nitroaniline	ND		ug/kg	190	35.	1
3-Nitroaniline	ND		ug/kg	190	21.	1
4-Nitroaniline	ND		ug/kg	190	120	1
Dibenzofuran	ND		ug/kg	190	39.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	60.	1
Acetophenone	ND		ug/kg	190	61.	1

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-03

Date Collected: 04/16/12 10:00

Client ID: SB-03 (5-7)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
P-Chloro-M-Cresol	ND		ug/kg	190	39.	1
2-Chlorophenol	ND		ug/kg	190	59.	1
2,4-Dichlorophenol	ND		ug/kg	170	55.	1
2,4-Dimethylphenol	ND		ug/kg	190	78.	1
2-Nitrophenol	ND		ug/kg	410	140	1
4-Nitrophenol	ND		ug/kg	260	81.	1
2,4-Dinitrophenol	ND		ug/kg	910	290	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	180	1
Phenol	ND		ug/kg	190	60.	1
2-Methylphenol	ND		ug/kg	190	47.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	82.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	44.	1
Benzoic Acid	ND		ug/kg	610	160	1
Benzyl Alcohol	ND		ug/kg	190	44.	1
Carbazole	ND		ug/kg	190	30.	1

Tentatively Identified Compounds

Unknown	260	J	ug/kg	1
Unknown	190	J	ug/kg	1
Unknown	330	J	ug/kg	1
Unknown	250	J	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		25-120
Phenol-d6	56		10-120
Nitrobenzene-d5	47		23-120
2-Fluorobiphenyl	53		30-120
2,4,6-Tribromophenol	52		0-136
4-Terphenyl-d14	66		18-120

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-03

Date Collected: 04/16/12 10:00

Client ID: SB-03 (5-7)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270C

Extraction Date: 04/21/12 00:46

Analytical Date: 04/24/12 14:00

Analyst: JC

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/kg	7.6	1.6	1
2-Chloronaphthalene	ND		ug/kg	7.6	1.8	1
Fluoranthene	8.3		ug/kg	7.6	1.1	1
Hexachlorobutadiene	ND		ug/kg	19	1.6	1
Naphthalene	ND		ug/kg	7.6	2.1	1
Benzo(a)anthracene	2.3	J	ug/kg	7.6	1.2	1
Benzo(a)pyrene	ND		ug/kg	7.6	2.1	1
Benzo(b)fluoranthene	ND		ug/kg	7.6	1.6	1
Benzo(k)fluoranthene	ND		ug/kg	7.6	1.6	1
Chrysene	3.2	J	ug/kg	7.6	1.8	1
Acenaphthylene	ND		ug/kg	7.6	1.7	1
Anthracene	ND		ug/kg	7.6	1.5	1
Benzo(ghi)perylene	ND		ug/kg	7.6	1.6	1
Fluorene	ND		ug/kg	7.6	1.1	1
Phenanthrene	7.3	J	ug/kg	7.6	1.7	1
Dibenzo(a,h)anthracene	ND		ug/kg	7.6	1.3	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	7.6	1.6	1
Pyrene	7.2	J	ug/kg	7.6	1.6	1
2-Methylnaphthalene	ND		ug/kg	7.6	2.3	1
Pentachlorophenol	ND		ug/kg	30	9.2	1
Hexachlorobenzene	ND		ug/kg	30	1.6	1
Hexachloroethane	ND		ug/kg	30	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		25-120
Phenol-d6	51		10-120
Nitrobenzene-d5	55		23-120
2-Fluorobiphenyl	51		30-120
2,4,6-Tribromophenol	67		0-136
4-Terphenyl-d14	70		18-120

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-04

Date Collected: 04/16/12 08:00

Client ID: BLIND DUP

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270C

Extraction Date: 04/21/12 00:34

Analytical Date: 04/23/12 13:59

Analyst: RC

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/kg	190	56.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	36.	1
1,2-Dichlorobenzene	ND		ug/kg	190	56.	1
1,3-Dichlorobenzene	ND		ug/kg	190	59.	1
1,4-Dichlorobenzene	ND		ug/kg	190	54.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	69.	1
2,4-Dinitrotoluene	ND		ug/kg	190	57.	1
2,6-Dinitrotoluene	ND		ug/kg	190	63.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	34.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	40.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	54.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	48.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	150	1
Isophorone	ND		ug/kg	170	45.	1
Nitrobenzene	ND		ug/kg	170	56.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	48.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	53.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	39.	1
Butyl benzyl phthalate	ND		ug/kg	190	53.	1
Di-n-butylphthalate	ND		ug/kg	190	32.	1
Di-n-octylphthalate	ND		ug/kg	190	51.	1
Diethyl phthalate	ND		ug/kg	190	33.	1
Dimethyl phthalate	ND		ug/kg	190	31.	1
Biphenyl	ND		ug/kg	430	130	1
4-Chloroaniline	ND		ug/kg	190	64.	1
2-Nitroaniline	ND		ug/kg	190	35.	1
3-Nitroaniline	ND		ug/kg	190	21.	1
4-Nitroaniline	ND		ug/kg	190	120	1
Dibenzofuran	ND		ug/kg	190	39.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	61.	1
Acetophenone	ND		ug/kg	190	61.	1

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-04

Date Collected: 04/16/12 08:00

Client ID: BLIND DUP

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
P-Chloro-M-Cresol	ND		ug/kg	190	39.	1
2-Chlorophenol	ND		ug/kg	190	60.	1
2,4-Dichlorophenol	ND		ug/kg	170	55.	1
2,4-Dimethylphenol	ND		ug/kg	190	78.	1
2-Nitrophenol	ND		ug/kg	410	140	1
4-Nitrophenol	ND		ug/kg	270	81.	1
2,4-Dinitrophenol	ND		ug/kg	910	290	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	180	1
Phenol	ND		ug/kg	190	60.	1
2-Methylphenol	ND		ug/kg	190	47.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	82.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	44.	1
Benzoic Acid	ND		ug/kg	620	160	1
Benzyl Alcohol	ND		ug/kg	190	44.	1
Carbazole	ND		ug/kg	190	31.	1

Tentatively Identified Compounds

Unknown	720	J	ug/kg	1
Unknown	160	J	ug/kg	1
Unknown	200	J	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		25-120
Phenol-d6	65		10-120
Nitrobenzene-d5	57		23-120
2-Fluorobiphenyl	62		30-120
2,4,6-Tribromophenol	31		0-136
4-Terphenyl-d14	65		18-120

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-04

Date Collected: 04/16/12 08:00

Client ID: BLIND DUP

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270C

Extraction Date: 04/21/12 00:46

Analytical Date: 04/24/12 14:27

Analyst: JC

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/kg	7.6	1.6	1
2-Chloronaphthalene	ND		ug/kg	7.6	1.8	1
Fluoranthene	ND		ug/kg	7.6	1.1	1
Hexachlorobutadiene	ND		ug/kg	19	1.6	1
Naphthalene	ND		ug/kg	7.6	2.2	1
Benzo(a)anthracene	ND		ug/kg	7.6	1.2	1
Benzo(a)pyrene	ND		ug/kg	7.6	2.1	1
Benzo(b)fluoranthene	ND		ug/kg	7.6	1.7	1
Benzo(k)fluoranthene	ND		ug/kg	7.6	1.7	1
Chrysene	ND		ug/kg	7.6	1.8	1
Acenaphthylene	ND		ug/kg	7.6	1.7	1
Anthracene	ND		ug/kg	7.6	1.5	1
Benzo(ghi)perylene	ND		ug/kg	7.6	1.7	1
Fluorene	ND		ug/kg	7.6	1.1	1
Phenanthrene	ND		ug/kg	7.6	1.7	1
Dibenzo(a,h)anthracene	ND		ug/kg	7.6	1.3	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	7.6	1.6	1
Pyrene	ND		ug/kg	7.6	1.6	1
2-Methylnaphthalene	ND		ug/kg	7.6	2.3	1
Pentachlorophenol	ND		ug/kg	30	9.2	1
Hexachlorobenzene	ND		ug/kg	30	1.6	1
Hexachloroethane	ND		ug/kg	30	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	46		0-136
4-Terphenyl-d14	80		18-120

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-05

Date Collected: 04/16/12 10:30

Client ID: SB-04 (9-11')

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270C

Extraction Date: 04/21/12 00:34

Analytical Date: 04/23/12 14:25

Analyst: RC

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/kg	190	55.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	36.	1
1,2-Dichlorobenzene	ND		ug/kg	190	56.	1
1,3-Dichlorobenzene	ND		ug/kg	190	59.	1
1,4-Dichlorobenzene	ND		ug/kg	190	54.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	68.	1
2,4-Dinitrotoluene	ND		ug/kg	190	57.	1
2,6-Dinitrotoluene	ND		ug/kg	190	62.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	33.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	39.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	54.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	48.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	150	1
Isophorone	ND		ug/kg	170	45.	1
Nitrobenzene	ND		ug/kg	170	55.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	48.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	53.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	39.	1
Butyl benzyl phthalate	ND		ug/kg	190	53.	1
Di-n-butylphthalate	ND		ug/kg	190	32.	1
Di-n-octylphthalate	ND		ug/kg	190	51.	1
Diethyl phthalate	ND		ug/kg	190	33.	1
Dimethyl phthalate	ND		ug/kg	190	31.	1
Biphenyl	ND		ug/kg	430	130	1
4-Chloroaniline	ND		ug/kg	190	64.	1
2-Nitroaniline	ND		ug/kg	190	35.	1
3-Nitroaniline	ND		ug/kg	190	21.	1
4-Nitroaniline	ND		ug/kg	190	120	1
Dibenzofuran	ND		ug/kg	190	39.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	60.	1
Acetophenone	ND		ug/kg	190	61.	1

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-05

Date Collected: 04/16/12 10:30

Client ID: SB-04 (9-11')

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
P-Chloro-M-Cresol	ND		ug/kg	190	39.	1
2-Chlorophenol	ND		ug/kg	190	59.	1
2,4-Dichlorophenol	ND		ug/kg	170	55.	1
2,4-Dimethylphenol	ND		ug/kg	190	78.	1
2-Nitrophenol	ND		ug/kg	410	140	1
4-Nitrophenol	ND		ug/kg	260	81.	1
2,4-Dinitrophenol	ND		ug/kg	910	290	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	180	1
Phenol	ND		ug/kg	190	60.	1
2-Methylphenol	ND		ug/kg	190	47.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	82.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	44.	1
Benzoic Acid	ND		ug/kg	610	160	1
Benzyl Alcohol	ND		ug/kg	190	44.	1
Carbazole	ND		ug/kg	190	30.	1

Tentatively Identified Compounds

Unknown	1100	J	ug/kg	1
Unknown	230	J	ug/kg	1
Unknown	280	J	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		25-120
Phenol-d6	56		10-120
Nitrobenzene-d5	48		23-120
2-Fluorobiphenyl	51		30-120
2,4,6-Tribromophenol	50		0-136
4-Terphenyl-d14	68		18-120

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-05

Date Collected: 04/16/12 10:30

Client ID: SB-04 (9-11')

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270C

Extraction Date: 04/21/12 00:46

Analytical Date: 04/24/12 14:53

Analyst: JC

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/kg	7.6	1.6	1
2-Chloronaphthalene	ND		ug/kg	7.6	1.8	1
Fluoranthene	ND		ug/kg	7.6	1.1	1
Hexachlorobutadiene	ND		ug/kg	19	1.6	1
Naphthalene	13		ug/kg	7.6	2.1	1
Benzo(a)anthracene	ND		ug/kg	7.6	1.2	1
Benzo(a)pyrene	ND		ug/kg	7.6	2.1	1
Benzo(b)fluoranthene	ND		ug/kg	7.6	1.7	1
Benzo(k)fluoranthene	ND		ug/kg	7.6	1.7	1
Chrysene	ND		ug/kg	7.6	1.8	1
Acenaphthylene	ND		ug/kg	7.6	1.7	1
Anthracene	ND		ug/kg	7.6	1.5	1
Benzo(ghi)perylene	ND		ug/kg	7.6	1.7	1
Fluorene	ND		ug/kg	7.6	1.1	1
Phenanthrene	ND		ug/kg	7.6	1.7	1
Dibenzo(a,h)anthracene	ND		ug/kg	7.6	1.3	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	7.6	1.6	1
Pyrene	ND		ug/kg	7.6	1.6	1
2-Methylnaphthalene	50		ug/kg	7.6	2.3	1
Pentachlorophenol	ND		ug/kg	30	9.2	1
Hexachlorobenzene	ND		ug/kg	30	1.6	1
Hexachloroethane	ND		ug/kg	30	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		25-120
Phenol-d6	52		10-120
Nitrobenzene-d5	57		23-120
2-Fluorobiphenyl	52		30-120
2,4,6-Tribromophenol	68		0-136
4-Terphenyl-d14	73		18-120

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-06 D
 Client ID: SB-05 (0-4)
 Sample Location: 285-295 NIAGARA ST.
 Matrix: Soil
 Analytical Method: 1,8270C
 Analytical Date: 04/24/12 15:20
 Analyst: JC
 Percent Solids: 93%

Date Collected: 04/16/12 11:29
 Date Received: 04/19/12
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 04/21/12 00:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	230		ug/kg	140	30.	20
2-Chloronaphthalene	ND		ug/kg	140	33.	20
Fluoranthene	3500		ug/kg	140	21.	20
Hexachlorobutadiene	ND		ug/kg	350	30.	20
Naphthalene	83	J	ug/kg	140	40.	20
Benzo(a)anthracene	1400		ug/kg	140	23.	20
Benzo(a)pyrene	1100		ug/kg	140	39.	20
Benzo(b)fluoranthene	1000		ug/kg	140	31.	20
Benzo(k)fluoranthene	1000		ug/kg	140	31.	20
Chrysene	1400		ug/kg	140	34.	20
Acenaphthylene	ND		ug/kg	140	31.	20
Anthracene	540		ug/kg	140	28.	20
Benzo(ghi)perylene	860		ug/kg	140	31.	20
Fluorene	230		ug/kg	140	21.	20
Phenanthrene	2500		ug/kg	140	31.	20
Dibenzo(a,h)anthracene	360		ug/kg	140	24.	20
Indeno(1,2,3-cd)Pyrene	840		ug/kg	140	30.	20
Pyrene	2800		ug/kg	140	30.	20
2-Methylnaphthalene	82	J	ug/kg	140	43.	20
Pentachlorophenol	ND		ug/kg	560	170	20
Hexachlorobenzene	ND		ug/kg	560	29.	20
Hexachloroethane	ND		ug/kg	560	32.	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	0	Q	25-120
Phenol-d6	0	Q	10-120
Nitrobenzene-d5	0	Q	23-120
2-Fluorobiphenyl	0	Q	30-120
2,4,6-Tribromophenol	0		0-136
4-Terphenyl-d14	0	Q	18-120

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-06 D
Client ID: SB-05 (0-4)
Sample Location: 285-295 NIAGARA ST.
Matrix: Soil
Analytical Method: 1,8270C
Analytical Date: 04/25/12 04:32
Analyst: RC
Percent Solids: 93%

Date Collected: 04/16/12 11:29
Date Received: 04/19/12
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/21/12 00:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/kg	700	200	4
Bis(2-chloroethyl)ether	ND		ug/kg	640	130	4
1,2-Dichlorobenzene	ND		ug/kg	700	210	4
1,3-Dichlorobenzene	ND		ug/kg	700	220	4
1,4-Dichlorobenzene	ND		ug/kg	700	200	4
3,3'-Dichlorobenzidine	ND		ug/kg	700	250	4
2,4-Dinitrotoluene	ND		ug/kg	700	210	4
2,6-Dinitrotoluene	ND		ug/kg	700	230	4
4-Chlorophenyl phenyl ether	ND		ug/kg	700	120	4
4-Bromophenyl phenyl ether	ND		ug/kg	700	150	4
Bis(2-chloroisopropyl)ether	ND		ug/kg	850	200	4
Bis(2-chloroethoxy)methane	ND		ug/kg	760	180	4
Hexachlorocyclopentadiene	ND		ug/kg	2000	560	4
Isophorone	ND		ug/kg	640	170	4
Nitrobenzene	ND		ug/kg	640	200	4
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	560	180	4
n-Nitrosodi-n-propylamine	ND		ug/kg	700	200	4
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	700	150	4
Butyl benzyl phthalate	ND		ug/kg	700	200	4
Di-n-butylphthalate	ND		ug/kg	700	120	4
Di-n-octylphthalate	ND		ug/kg	700	190	4
Diethyl phthalate	ND		ug/kg	700	120	4
Dimethyl phthalate	ND		ug/kg	700	120	4
Biphenyl	ND		ug/kg	1600	490	4
4-Chloroaniline	ND		ug/kg	700	240	4
2-Nitroaniline	ND		ug/kg	700	130	4
3-Nitroaniline	ND		ug/kg	700	79.	4
4-Nitroaniline	ND		ug/kg	700	430	4
Dibenzofuran	160	J	ug/kg	700	140	4
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	700	220	4
Acetophenone	ND		ug/kg	700	230	4

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-06 D

Date Collected: 04/16/12 11:29

Client ID: SB-05 (0-4)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/kg	420	130	4
P-Chloro-M-Cresol	ND		ug/kg	700	140	4
2-Chlorophenol	ND		ug/kg	700	220	4
2,4-Dichlorophenol	ND		ug/kg	640	200	4
2,4-Dimethylphenol	ND		ug/kg	700	290	4
2-Nitrophenol	ND		ug/kg	1500	510	4
4-Nitrophenol	ND		ug/kg	990	300	4
2,4-Dinitrophenol	ND		ug/kg	3400	1100	4
4,6-Dinitro-o-cresol	ND		ug/kg	1800	660	4
Phenol	ND		ug/kg	700	220	4
2-Methylphenol	ND		ug/kg	700	170	4
3-Methylphenol/4-Methylphenol	ND		ug/kg	1000	300	4
2,4,5-Trichlorophenol	ND		ug/kg	700	160	4
Benzoic Acid	ND		ug/kg	2300	600	4
Benzyl Alcohol	ND		ug/kg	700	160	4
Carbazole	270	J	ug/kg	700	110	4

Tentatively Identified Compounds

Unknown	3800	J	ug/kg	4
Unknown	110000	J	ug/kg	4
Unknown	1500	J	ug/kg	4
Unknown Alkane	3200	J	ug/kg	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	6		0-136
4-Terphenyl-d14	73		18-120

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-07

Date Collected: 04/16/12 11:29

Client ID: SB-05 (7-9)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270C

Extraction Date: 04/21/12 00:34

Analytical Date: 04/23/12 15:16

Analyst: RC

Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/kg	200	60.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	39.	1
1,2-Dichlorobenzene	ND		ug/kg	200	60.	1
1,3-Dichlorobenzene	ND		ug/kg	200	64.	1
1,4-Dichlorobenzene	ND		ug/kg	200	58.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	74.	1
2,4-Dinitrotoluene	ND		ug/kg	200	62.	1
2,6-Dinitrotoluene	ND		ug/kg	200	68.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	36.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	43.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	58.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	52.	1
Hexachlorocyclopentadiene	ND		ug/kg	590	160	1
Isophorone	ND		ug/kg	180	49.	1
Nitrobenzene	ND		ug/kg	180	60.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	52.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	58.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	42.	1
Butyl benzyl phthalate	ND		ug/kg	200	58.	1
Di-n-butylphthalate	ND		ug/kg	200	35.	1
Di-n-octylphthalate	ND		ug/kg	200	56.	1
Diethyl phthalate	ND		ug/kg	200	36.	1
Dimethyl phthalate	ND		ug/kg	200	34.	1
Biphenyl	ND		ug/kg	470	140	1
4-Chloroaniline	ND		ug/kg	200	69.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	23.	1
4-Nitroaniline	ND		ug/kg	200	120	1
Dibenzofuran	ND		ug/kg	200	42.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	66.	1
Acetophenone	ND		ug/kg	200	66.	1

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-07

Date Collected: 04/16/12 11:29

Client ID: SB-05 (7-9)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
P-Chloro-M-Cresol	ND		ug/kg	200	42.	1
2-Chlorophenol	ND		ug/kg	200	64.	1
2,4-Dichlorophenol	ND		ug/kg	180	60.	1
2,4-Dimethylphenol	ND		ug/kg	200	85.	1
2-Nitrophenol	ND		ug/kg	440	150	1
4-Nitrophenol	ND		ug/kg	290	88.	1
2,4-Dinitrophenol	ND		ug/kg	990	320	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	190	1
Phenol	ND		ug/kg	200	65.	1
2-Methylphenol	ND		ug/kg	200	51.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	89.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	48.	1
Benzoic Acid	ND		ug/kg	670	170	1
Benzyl Alcohol	ND		ug/kg	200	48.	1
Carbazole	ND		ug/kg	200	33.	1

Tentatively Identified Compounds

Unknown	2300	J	ug/kg			1
Unknown	700	J	ug/kg			1
Unknown Substituted Benzene	2600	J	ug/kg			1
Unknown Substituted Benzene	1300	J	ug/kg			1
Unknown Substituted Benzene	1600	J	ug/kg			1
Unknown Substituted Benzene	770	J	ug/kg			1
Unknown Substituted Benzene	4100	J	ug/kg			1
Unknown Substituted Benzene	830	J	ug/kg			1
Unknown Substituted Benzene	1500	J	ug/kg			1
Unknown Substituted Benzene	2500	J	ug/kg			1
Unknown Substituted Benzene	940	J	ug/kg			1
Unknown Substituted Benzene	910	J	ug/kg			1
Unknown Substituted Benzene	360	J	ug/kg			1
Unknown Substituted Benzene	530	J	ug/kg			1
Unknown Substituted Benzene	740	J	ug/kg			1

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-07

Date Collected: 04/16/12 11:29

Client ID: SB-05 (7-9)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Tentatively Identified Compounds

Unknown	600	J	ug/kg	1
Unknown C11H10 Isomer	960	J	ug/kg	1
Unknown C11H10 Isomer	490	J	ug/kg	1
Unknown Substituted Naphthalene	380	J	ug/kg	1
Unknown Substituted Naphthalene	340	J	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		25-120
Phenol-d6	61		10-120
Nitrobenzene-d5	52		23-120
2-Fluorobiphenyl	58		30-120
2,4,6-Tribromophenol	39		0-136
4-Terphenyl-d14	67		18-120

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-07 D
Client ID: SB-05 (7-9)
Sample Location: 285-295 NIAGARA ST.
Matrix: Soil
Analytical Method: 1,8270C
Analytical Date: 04/25/12 13:48
Analyst: JC
Percent Solids: 80%

Date Collected: 04/16/12 11:29
Date Received: 04/19/12
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/21/12 00:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/kg	41	8.7	5
2-Chloronaphthalene	ND		ug/kg	41	9.6	5
Fluoranthene	50		ug/kg	41	6.1	5
Hexachlorobutadiene	ND		ug/kg	100	8.7	5
Naphthalene	680		ug/kg	41	12.	5
Benzo(a)anthracene	20	J	ug/kg	41	6.7	5
Benzo(a)pyrene	46		ug/kg	41	11.	5
Benzo(b)fluoranthene	32	J	ug/kg	41	9.0	5
Benzo(k)fluoranthene	13	J	ug/kg	41	9.0	5
Chrysene	20	J	ug/kg	41	10.	5
Acenaphthylene	ND		ug/kg	41	9.1	5
Anthracene	ND		ug/kg	41	8.1	5
Benzo(ghi)perylene	ND		ug/kg	41	9.0	5
Fluorene	12	J	ug/kg	41	6.1	5
Phenanthrene	46		ug/kg	41	9.1	5
Dibenzo(a,h)anthracene	ND		ug/kg	41	7.1	5
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	41	8.8	5
Pyrene	41		ug/kg	41	8.7	5
2-Methylnaphthalene	1900		ug/kg	41	13.	5
Pentachlorophenol	ND		ug/kg	160	50.	5
Hexachlorobenzene	ND		ug/kg	160	8.6	5
Hexachloroethane	ND		ug/kg	160	9.3	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	82		30-120
2,4,6-Tribromophenol	67		0-136
4-Terphenyl-d14	95		18-120

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-08

Date Collected: 04/16/12 12:00

Client ID: SB-06 (7-9')

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270C

Extraction Date: 04/21/12 00:34

Analytical Date: 04/23/12 15:42

Analyst: RC

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/kg	190	56.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	36.	1
1,2-Dichlorobenzene	ND		ug/kg	190	57.	1
1,3-Dichlorobenzene	ND		ug/kg	190	60.	1
1,4-Dichlorobenzene	ND		ug/kg	190	55.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	70.	1
2,4-Dinitrotoluene	ND		ug/kg	190	58.	1
2,6-Dinitrotoluene	ND		ug/kg	190	63.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	34.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	40.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	54.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	48.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	150	1
Isophorone	ND		ug/kg	170	46.	1
Nitrobenzene	ND		ug/kg	170	56.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	48.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	54.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	40.	1
Butyl benzyl phthalate	ND		ug/kg	190	54.	1
Di-n-butylphthalate	ND		ug/kg	190	33.	1
Di-n-octylphthalate	ND		ug/kg	190	52.	1
Diethyl phthalate	ND		ug/kg	190	33.	1
Dimethyl phthalate	ND		ug/kg	190	32.	1
Biphenyl	ND		ug/kg	440	130	1
4-Chloroaniline	ND		ug/kg	190	65.	1
2-Nitroaniline	ND		ug/kg	190	35.	1
3-Nitroaniline	ND		ug/kg	190	22.	1
4-Nitroaniline	ND		ug/kg	190	120	1
Dibenzofuran	ND		ug/kg	190	40.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	61.	1
Acetophenone	ND		ug/kg	190	62.	1

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-08

Date Collected: 04/16/12 12:00

Client ID: SB-06 (7-9')

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/kg	120	35.	1
P-Chloro-M-Cresol	ND		ug/kg	190	39.	1
2-Chlorophenol	ND		ug/kg	190	60.	1
2,4-Dichlorophenol	ND		ug/kg	170	56.	1
2,4-Dimethylphenol	ND		ug/kg	190	80.	1
2-Nitrophenol	ND		ug/kg	420	140	1
4-Nitrophenol	ND		ug/kg	270	82.	1
2,4-Dinitrophenol	ND		ug/kg	920	300	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	180	1
Phenol	ND		ug/kg	190	60.	1
2-Methylphenol	ND		ug/kg	190	48.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	83.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	45.	1
Benzoic Acid	ND		ug/kg	620	160	1
Benzyl Alcohol	ND		ug/kg	190	45.	1
Carbazole	ND		ug/kg	190	31.	1

Tentatively Identified Compounds

Unknown Alkane	760	J	ug/kg			1
Unknown	1400	J	ug/kg			1
Unknown Substituted Benzene	3100	J	ug/kg			1
Unknown Substituted Benzene	2000	J	ug/kg			1
Unknown Substituted Benzene	3200	J	ug/kg			1
Unknown Substituted Benzene	1200	J	ug/kg			1
Unknown Substituted Benzene	1400	J	ug/kg			1
Unknown Substituted Benzene	670	J	ug/kg			1
Unknown Substituted Benzene	1600	J	ug/kg			1
Unknown Substituted Benzene	3000	J	ug/kg			1
Unknown Substituted Benzene	750	J	ug/kg			1
Unknown Substituted Benzene	1300	J	ug/kg			1
Unknown C10H12 Isomer	930	J	ug/kg			1
Unknown Substituted Benzene	550	J	ug/kg			1
Unknown Substituted Benzene	690	J	ug/kg			1

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-08

Date Collected: 04/16/12 12:00

Client ID: SB-06 (7-9')

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Tentatively Identified Compounds

Unknown C10H12 Isomer	610	J	ug/kg	1
Unknown C10H12 Isomer	1200	J	ug/kg	1
Unknown	700	J	ug/kg	1
Unknown C11H10 Isomer	1700	J	ug/kg	1
Unknown C11H10 Isomer	860	J	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		25-120
Phenol-d6	67		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	53		0-136
4-Terphenyl-d14	69		18-120

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-08 D
Client ID: SB-06 (7-9')
Sample Location: 285-295 NIAGARA ST.
Matrix: Soil
Analytical Method: 1,8270C
Analytical Date: 04/25/12 14:14
Analyst: JC
Percent Solids: 85%

Date Collected: 04/16/12 12:00
Date Received: 04/19/12
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/21/12 00:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/kg	38	8.1	5
2-Chloronaphthalene	ND		ug/kg	38	9.0	5
Fluoranthene	9.8	J	ug/kg	38	5.7	5
Hexachlorobutadiene	ND		ug/kg	96	8.1	5
Naphthalene	100		ug/kg	38	11.	5
Benzo(a)anthracene	ND		ug/kg	38	6.3	5
Benzo(a)pyrene	ND		ug/kg	38	11.	5
Benzo(b)fluoranthene	ND		ug/kg	38	8.4	5
Benzo(k)fluoranthene	ND		ug/kg	38	8.4	5
Chrysene	ND		ug/kg	38	9.3	5
Acenaphthylene	ND		ug/kg	38	8.5	5
Anthracene	ND		ug/kg	38	7.6	5
Benzo(ghi)perylene	ND		ug/kg	38	8.4	5
Fluorene	ND		ug/kg	38	5.7	5
Phenanthrene	17	J	ug/kg	38	8.5	5
Dibenzo(a,h)anthracene	ND		ug/kg	38	6.7	5
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	38	8.3	5
Pyrene	ND		ug/kg	38	8.1	5
2-Methylnaphthalene	2400		ug/kg	38	12.	5
Pentachlorophenol	ND		ug/kg	150	47.	5
Hexachlorobenzene	ND		ug/kg	150	8.0	5
Hexachloroethane	ND		ug/kg	150	8.7	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	82		30-120
2,4,6-Tribromophenol	86		0-136
4-Terphenyl-d14	93		18-120

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-09

Date Collected: 04/16/12 13:30

Client ID: SB-07 (5-7)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270C

Extraction Date: 04/21/12 00:34

Analytical Date: 04/23/12 16:08

Analyst: RC

Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/kg	200	58.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	38.	1
1,2-Dichlorobenzene	ND		ug/kg	200	59.	1
1,3-Dichlorobenzene	ND		ug/kg	200	62.	1
1,4-Dichlorobenzene	ND		ug/kg	200	57.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	72.	1
2,4-Dinitrotoluene	ND		ug/kg	200	60.	1
2,6-Dinitrotoluene	ND		ug/kg	200	66.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	35.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	41.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	56.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	50.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	160	1
Isophorone	ND		ug/kg	180	48.	1
Nitrobenzene	ND		ug/kg	180	58.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	50.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	56.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	41.	1
Butyl benzyl phthalate	ND		ug/kg	200	56.	1
Di-n-butylphthalate	ND		ug/kg	200	34.	1
Di-n-octylphthalate	ND		ug/kg	200	54.	1
Diethyl phthalate	ND		ug/kg	200	34.	1
Dimethyl phthalate	ND		ug/kg	200	33.	1
Biphenyl	ND		ug/kg	450	140	1
4-Chloroaniline	ND		ug/kg	200	67.	1
2-Nitroaniline	ND		ug/kg	200	37.	1
3-Nitroaniline	ND		ug/kg	200	22.	1
4-Nitroaniline	ND		ug/kg	200	120	1
Dibenzofuran	ND		ug/kg	200	41.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	64.	1
Acetophenone	ND		ug/kg	200	64.	1

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-09

Date Collected: 04/16/12 13:30

Client ID: SB-07 (5-7)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
P-Chloro-M-Cresol	ND		ug/kg	200	41.	1
2-Chlorophenol	ND		ug/kg	200	62.	1
2,4-Dichlorophenol	ND		ug/kg	180	58.	1
2,4-Dimethylphenol	ND		ug/kg	200	82.	1
2-Nitrophenol	ND		ug/kg	430	140	1
4-Nitrophenol	ND		ug/kg	280	85.	1
2,4-Dinitrophenol	ND		ug/kg	960	310	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	190	1
Phenol	ND		ug/kg	200	63.	1
2-Methylphenol	ND		ug/kg	200	49.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	86.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	46.	1
Benzoic Acid	ND		ug/kg	650	170	1
Benzyl Alcohol	ND		ug/kg	200	46.	1
Carbazole	ND		ug/kg	200	32.	1

Tentatively Identified Compounds

Unknown C7H8 Isomer	180	J	ug/kg	1
Unknown	1200	J	ug/kg	1
Unknown	240	J	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	66		30-120
2,4,6-Tribromophenol	42		0-136
4-Terphenyl-d14	67		18-120

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-09

Client ID: SB-07 (5-7)

Sample Location: 285-295 NIAGARA ST.

Matrix: Soil

Analytical Method: 1,8270C

Analytical Date: 04/24/12 16:38

Analyst: JC

Percent Solids: 83%

Date Collected: 04/16/12 13:30

Date Received: 04/19/12

Field Prep: Not Specified

Extraction Method: EPA 3546

Extraction Date: 04/21/12 00:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/kg	8.0	1.7	1
2-Chloronaphthalene	ND		ug/kg	8.0	1.8	1
Fluoranthene	10		ug/kg	8.0	1.2	1
Hexachlorobutadiene	ND		ug/kg	20	1.7	1
Naphthalene	ND		ug/kg	8.0	2.2	1
Benzo(a)anthracene	5.8	J	ug/kg	8.0	1.3	1
Benzo(a)pyrene	9.7		ug/kg	8.0	2.2	1
Benzo(b)fluoranthene	6.6	J	ug/kg	8.0	1.7	1
Benzo(k)fluoranthene	3.2	J	ug/kg	8.0	1.7	1
Chrysene	5.2	J	ug/kg	8.0	1.9	1
Acenaphthylene	ND		ug/kg	8.0	1.8	1
Anthracene	ND		ug/kg	8.0	1.6	1
Benzo(ghi)perylene	8.4		ug/kg	8.0	1.7	1
Fluorene	ND		ug/kg	8.0	1.2	1
Phenanthrene	8.8		ug/kg	8.0	1.8	1
Dibenzo(a,h)anthracene	ND		ug/kg	8.0	1.4	1
Indeno(1,2,3-cd)Pyrene	11		ug/kg	8.0	1.7	1
Pyrene	8.6		ug/kg	8.0	1.7	1
2-Methylnaphthalene	ND		ug/kg	8.0	2.4	1
Pentachlorophenol	ND		ug/kg	32	9.7	1
Hexachlorobenzene	ND		ug/kg	32	1.7	1
Hexachloroethane	ND		ug/kg	32	1.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		25-120
Phenol-d6	53		10-120
Nitrobenzene-d5	55		23-120
2-Fluorobiphenyl	50		30-120
2,4,6-Tribromophenol	36		0-136
4-Terphenyl-d14	51		18-120

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-10

Date Collected: 04/16/12 14:00

Client ID: SB-08 (3-5)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270C

Extraction Date: 04/21/12 00:34

Analytical Date: 04/23/12 16:34

Analyst: RC

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/kg	190	55.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	36.	1
1,2-Dichlorobenzene	ND		ug/kg	190	55.	1
1,3-Dichlorobenzene	ND		ug/kg	190	58.	1
1,4-Dichlorobenzene	ND		ug/kg	190	54.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	68.	1
2,4-Dinitrotoluene	ND		ug/kg	190	56.	1
2,6-Dinitrotoluene	ND		ug/kg	190	62.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	33.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	39.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	53.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	47.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	150	1
Isophorone	ND		ug/kg	170	45.	1
Nitrobenzene	ND		ug/kg	170	55.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	47.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	53.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	39.	1
Butyl benzyl phthalate	ND		ug/kg	190	53.	1
Di-n-butylphthalate	ND		ug/kg	190	32.	1
Di-n-octylphthalate	ND		ug/kg	190	51.	1
Diethyl phthalate	ND		ug/kg	190	33.	1
Dimethyl phthalate	ND		ug/kg	190	31.	1
Biphenyl	ND		ug/kg	430	130	1
4-Chloroaniline	ND		ug/kg	190	63.	1
2-Nitroaniline	ND		ug/kg	190	34.	1
3-Nitroaniline	ND		ug/kg	190	21.	1
4-Nitroaniline	ND		ug/kg	190	110	1
Dibenzofuran	ND		ug/kg	190	39.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	60.	1
Acetophenone	ND		ug/kg	190	60.	1

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-10

Date Collected: 04/16/12 14:00

Client ID: SB-08 (3-5)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
P-Chloro-M-Cresol	ND		ug/kg	190	38.	1
2-Chlorophenol	ND		ug/kg	190	59.	1
2,4-Dichlorophenol	ND		ug/kg	170	55.	1
2,4-Dimethylphenol	ND		ug/kg	190	78.	1
2-Nitrophenol	ND		ug/kg	410	140	1
4-Nitrophenol	ND		ug/kg	260	80.	1
2,4-Dinitrophenol	ND		ug/kg	900	290	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	180	1
Phenol	ND		ug/kg	190	59.	1
2-Methylphenol	ND		ug/kg	190	46.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	81.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	44.	1
Benzoic Acid	ND		ug/kg	610	160	1
Benzyl Alcohol	ND		ug/kg	190	44.	1
Carbazole	ND		ug/kg	190	30.	1

Tentatively Identified Compounds

Unknown	190	J	ug/kg	1
Unknown	420	J	ug/kg	1
Cyclic octaatomic sulfur	170	J	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		25-120
Phenol-d6	47		10-120
Nitrobenzene-d5	40		23-120
2-Fluorobiphenyl	45		30-120
2,4,6-Tribromophenol	33		0-136
4-Terphenyl-d14	59		18-120

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-10

Date Collected: 04/16/12 14:00

Client ID: SB-08 (3-5)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270C

Extraction Date: 04/21/12 00:46

Analytical Date: 04/24/12 17:05

Analyst: JC

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/kg	7.5	1.6	1
2-Chloronaphthalene	ND		ug/kg	7.5	1.8	1
Fluoranthene	12		ug/kg	7.5	1.1	1
Hexachlorobutadiene	ND		ug/kg	19	1.6	1
Naphthalene	ND		ug/kg	7.5	2.1	1
Benzo(a)anthracene	4.9	J	ug/kg	7.5	1.2	1
Benzo(a)pyrene	9.9		ug/kg	7.5	2.1	1
Benzo(b)fluoranthene	7.8		ug/kg	7.5	1.6	1
Benzo(k)fluoranthene	4.3	J	ug/kg	7.5	1.6	1
Chrysene	5.8	J	ug/kg	7.5	1.8	1
Acenaphthylene	ND		ug/kg	7.5	1.7	1
Anthracene	ND		ug/kg	7.5	1.5	1
Benzo(ghi)perylene	9.9		ug/kg	7.5	1.6	1
Fluorene	ND		ug/kg	7.5	1.1	1
Phenanthrene	6.5	J	ug/kg	7.5	1.7	1
Dibenzo(a,h)anthracene	ND		ug/kg	7.5	1.3	1
Indeno(1,2,3-cd)Pyrene	12		ug/kg	7.5	1.6	1
Pyrene	9.3		ug/kg	7.5	1.6	1
2-Methylnaphthalene	ND		ug/kg	7.5	2.3	1
Pentachlorophenol	ND		ug/kg	30	9.1	1
Hexachlorobenzene	ND		ug/kg	30	1.6	1
Hexachloroethane	ND		ug/kg	30	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		25-120
Phenol-d6	41		10-120
Nitrobenzene-d5	44		23-120
2-Fluorobiphenyl	38		30-120
2,4,6-Tribromophenol	36		0-136
4-Terphenyl-d14	55		18-120

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-11
Client ID: SB-09 (10-12)
Sample Location: 285-295 NIAGARA ST.
Matrix: Soil
Analytical Method: 1,8270C
Analytical Date: 04/23/12 17:00
Analyst: RC
Percent Solids: 85%

Date Collected: 04/16/12 14:20
Date Received: 04/19/12
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/21/12 00:35

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/kg	190	56.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	36.	1
1,2-Dichlorobenzene	ND		ug/kg	190	56.	1
1,3-Dichlorobenzene	ND		ug/kg	190	59.	1
1,4-Dichlorobenzene	ND		ug/kg	190	54.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	69.	1
2,4-Dinitrotoluene	ND		ug/kg	190	58.	1
2,6-Dinitrotoluene	ND		ug/kg	190	63.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	34.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	40.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	54.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	48.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	150	1
Isophorone	ND		ug/kg	170	46.	1
Nitrobenzene	ND		ug/kg	170	56.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	48.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	54.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	40.	1
Butyl benzyl phthalate	ND		ug/kg	190	54.	1
Di-n-butylphthalate	ND		ug/kg	190	33.	1
Di-n-octylphthalate	ND		ug/kg	190	52.	1
Diethyl phthalate	ND		ug/kg	190	33.	1
Dimethyl phthalate	ND		ug/kg	190	32.	1
Biphenyl	ND		ug/kg	440	130	1
4-Chloroaniline	ND		ug/kg	190	65.	1
2-Nitroaniline	ND		ug/kg	190	35.	1
3-Nitroaniline	ND		ug/kg	190	22.	1
4-Nitroaniline	ND		ug/kg	190	120	1
Dibenzofuran	ND		ug/kg	190	39.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	61.	1
Acetophenone	ND		ug/kg	190	62.	1

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-11

Date Collected: 04/16/12 14:20

Client ID: SB-09 (10-12)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/kg	120	35.	1
P-Chloro-M-Cresol	ND		ug/kg	190	39.	1
2-Chlorophenol	ND		ug/kg	190	60.	1
2,4-Dichlorophenol	ND		ug/kg	170	56.	1
2,4-Dimethylphenol	ND		ug/kg	190	79.	1
2-Nitrophenol	ND		ug/kg	410	140	1
4-Nitrophenol	ND		ug/kg	270	82.	1
2,4-Dinitrophenol	ND		ug/kg	920	300	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	180	1
Phenol	ND		ug/kg	190	60.	1
2-Methylphenol	ND		ug/kg	190	47.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	83.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	45.	1
Benzoic Acid	ND		ug/kg	620	160	1
Benzyl Alcohol	ND		ug/kg	190	44.	1
Carbazole	ND		ug/kg	190	31.	1

Tentatively Identified Compounds

Unknown	580	J	ug/kg	1
Unknown	410	J	ug/kg	1
Unknown	540	J	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		25-120
Phenol-d6	64		10-120
Nitrobenzene-d5	50		23-120
2-Fluorobiphenyl	62		30-120
2,4,6-Tribromophenol	13		0-136
4-Terphenyl-d14	64		18-120

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-11
Client ID: SB-09 (10-12)
Sample Location: 285-295 NIAGARA ST.
Matrix: Soil
Analytical Method: 1,8270C
Analytical Date: 04/24/12 17:31
Analyst: JC
Percent Solids: 85%

Date Collected: 04/16/12 14:20
Date Received: 04/19/12
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/21/12 00:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	15		ug/kg	7.7	1.6	1
2-Chloronaphthalene	ND		ug/kg	7.7	1.8	1
Fluoranthene	170		ug/kg	7.7	1.1	1
Hexachlorobutadiene	ND		ug/kg	19	1.6	1
Naphthalene	8.8		ug/kg	7.7	2.2	1
Benzo(a)anthracene	57		ug/kg	7.7	1.2	1
Benzo(a)pyrene	51		ug/kg	7.7	2.1	1
Benzo(b)fluoranthene	55		ug/kg	7.7	1.7	1
Benzo(k)fluoranthene	47		ug/kg	7.7	1.7	1
Chrysene	63		ug/kg	7.7	1.8	1
Acenaphthylene	ND		ug/kg	7.7	1.7	1
Anthracene	23		ug/kg	7.7	1.5	1
Benzo(ghi)perylene	43		ug/kg	7.7	1.7	1
Fluorene	14		ug/kg	7.7	1.1	1
Phenanthrene	140		ug/kg	7.7	1.7	1
Dibenzo(a,h)anthracene	19		ug/kg	7.7	1.3	1
Indeno(1,2,3-cd)Pyrene	42		ug/kg	7.7	1.6	1
Pyrene	130		ug/kg	7.7	1.6	1
2-Methylnaphthalene	6.9	J	ug/kg	7.7	2.4	1
Pentachlorophenol	ND		ug/kg	31	9.3	1
Hexachlorobenzene	ND		ug/kg	31	1.6	1
Hexachloroethane	ND		ug/kg	31	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		25-120
Phenol-d6	56		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	55		30-120
2,4,6-Tribromophenol	18		0-136
4-Terphenyl-d14	72		18-120

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-12

Date Collected: 04/16/12 15:00

Client ID: SB-10 (0-1)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270C

Extraction Date: 04/21/12 00:35

Analytical Date: 04/23/12 17:26

Analyst: RC

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/kg	380	110	2
Bis(2-chloroethyl)ether	ND		ug/kg	350	73.	2
1,2-Dichlorobenzene	ND		ug/kg	380	110	2
1,3-Dichlorobenzene	ND		ug/kg	380	120	2
1,4-Dichlorobenzene	ND		ug/kg	380	110	2
3,3'-Dichlorobenzidine	ND		ug/kg	380	140	2
2,4-Dinitrotoluene	ND		ug/kg	380	120	2
2,6-Dinitrotoluene	ND		ug/kg	380	130	2
4-Chlorophenyl phenyl ether	ND		ug/kg	380	68.	2
4-Bromophenyl phenyl ether	ND		ug/kg	380	80.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	460	110	2
Bis(2-chloroethoxy)methane	ND		ug/kg	420	97.	2
Hexachlorocyclopentadiene	ND		ug/kg	1100	300	2
Isophorone	ND		ug/kg	350	92.	2
Nitrobenzene	ND		ug/kg	350	110	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	310	97.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	380	110	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	380	80.	2
Butyl benzyl phthalate	ND		ug/kg	380	110	2
Di-n-butylphthalate	ND		ug/kg	380	66.	2
Di-n-octylphthalate	ND		ug/kg	380	100	2
Diethyl phthalate	ND		ug/kg	380	67.	2
Dimethyl phthalate	ND		ug/kg	380	64.	2
Biphenyl	ND		ug/kg	880	270	2
4-Chloroaniline	ND		ug/kg	380	130	2
2-Nitroaniline	ND		ug/kg	380	71.	2
3-Nitroaniline	ND		ug/kg	380	43.	2
4-Nitroaniline	ND		ug/kg	380	240	2
Dibenzofuran	200	J	ug/kg	380	79.	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	380	120	2
Acetophenone	ND		ug/kg	380	120	2

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-12

Date Collected: 04/16/12 15:00

Client ID: SB-10 (0-1)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/kg	230	71.	2
P-Chloro-M-Cresol	ND		ug/kg	380	79.	2
2-Chlorophenol	ND		ug/kg	380	120	2
2,4-Dichlorophenol	ND		ug/kg	350	110	2
2,4-Dimethylphenol	ND		ug/kg	380	160	2
2-Nitrophenol	ND		ug/kg	830	280	2
4-Nitrophenol	ND		ug/kg	540	160	2
2,4-Dinitrophenol	ND		ug/kg	1800	600	2
4,6-Dinitro-o-cresol	ND		ug/kg	1000	360	2
Phenol	ND		ug/kg	380	120	2
2-Methylphenol	ND		ug/kg	380	95.	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	560	170	2
2,4,5-Trichlorophenol	ND		ug/kg	380	90.	2
Benzoic Acid	ND		ug/kg	1200	330	2
Benzyl Alcohol	ND		ug/kg	380	90.	2
Carbazole	440		ug/kg	380	62.	2

Tentatively Identified Compounds

Unknown	9600	J	ug/kg			2
Sulfur	1400	J	ug/kg			2
Unknown C15H12 Isomer	690	J	ug/kg			2
Unknown	920	J	ug/kg			2
Unknown	1700	J	ug/kg			2
Cyclic octaatomic sulfur	3200	J	ug/kg			2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		25-120
Phenol-d6	59		10-120
Nitrobenzene-d5	51		23-120
2-Fluorobiphenyl	58		30-120
2,4,6-Tribromophenol	9		0-136
4-Terphenyl-d14	57		18-120

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-12 D
Client ID: SB-10 (0-1)
Sample Location: 285-295 NIAGARA ST.
Matrix: Soil
Analytical Method: 1,8270C
Analytical Date: 04/24/12 18:50
Analyst: JC
Percent Solids: 86%

Date Collected: 04/16/12 15:00
Date Received: 04/19/12
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/21/12 00:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	300		ug/kg	150	32.	20
2-Chloronaphthalene	ND		ug/kg	150	36.	20
Fluoranthene	6500		ug/kg	150	23.	20
Hexachlorobutadiene	ND		ug/kg	380	32.	20
Naphthalene	ND		ug/kg	150	44.	20
Benzo(a)anthracene	2700		ug/kg	150	25.	20
Benzo(a)pyrene	2500		ug/kg	150	42.	20
Benzo(b)fluoranthene	2900		ug/kg	150	34.	20
Benzo(k)fluoranthene	2200		ug/kg	150	34.	20
Chrysene	2900		ug/kg	150	37.	20
Acenaphthylene	ND		ug/kg	150	34.	20
Anthracene	560		ug/kg	150	30.	20
Benzo(ghi)perylene	1800		ug/kg	150	34.	20
Fluorene	280		ug/kg	150	23.	20
Phenanthrene	3300		ug/kg	150	34.	20
Dibenzo(a,h)anthracene	620		ug/kg	150	27.	20
Indeno(1,2,3-cd)Pyrene	2000		ug/kg	150	33.	20
Pyrene	5000		ug/kg	150	32.	20
2-Methylnaphthalene	48	J	ug/kg	150	47.	20
Pentachlorophenol	ND		ug/kg	620	190	20
Hexachlorobenzene	ND		ug/kg	620	32.	20
Hexachloroethane	ND		ug/kg	620	35.	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	0	Q	25-120
Phenol-d6	0	Q	10-120
Nitrobenzene-d5	0	Q	23-120
2-Fluorobiphenyl	0	Q	30-120
2,4,6-Tribromophenol	0		0-136
4-Terphenyl-d14	0	Q	18-120

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-15

Date Collected: 04/17/12 10:45

Client ID: SB-13 (1-3)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270C

Extraction Date: 04/21/12 00:35

Analytical Date: 04/23/12 17:52

Analyst: RC

Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/kg	200	58.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	38.	1
1,2-Dichlorobenzene	ND		ug/kg	200	58.	1
1,3-Dichlorobenzene	ND		ug/kg	200	62.	1
1,4-Dichlorobenzene	ND		ug/kg	200	56.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	72.	1
2,4-Dinitrotoluene	ND		ug/kg	200	60.	1
2,6-Dinitrotoluene	ND		ug/kg	200	65.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	35.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	41.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	56.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	50.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	160	1
Isophorone	ND		ug/kg	180	47.	1
Nitrobenzene	ND		ug/kg	180	58.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	50.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	56.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	41.	1
Butyl benzyl phthalate	ND		ug/kg	200	56.	1
Di-n-butylphthalate	ND		ug/kg	200	34.	1
Di-n-octylphthalate	ND		ug/kg	200	54.	1
Diethyl phthalate	ND		ug/kg	200	34.	1
Dimethyl phthalate	ND		ug/kg	200	33.	1
Biphenyl	ND		ug/kg	450	140	1
4-Chloroaniline	ND		ug/kg	200	67.	1
2-Nitroaniline	ND		ug/kg	200	36.	1
3-Nitroaniline	ND		ug/kg	200	22.	1
4-Nitroaniline	ND		ug/kg	200	120	1
Dibenzofuran	ND		ug/kg	200	41.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	63.	1
Acetophenone	ND		ug/kg	200	64.	1

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-15

Date Collected: 04/17/12 10:45

Client ID: SB-13 (1-3)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
P-Chloro-M-Cresol	ND		ug/kg	200	41.	1
2-Chlorophenol	ND		ug/kg	200	62.	1
2,4-Dichlorophenol	ND		ug/kg	180	58.	1
2,4-Dimethylphenol	ND		ug/kg	200	82.	1
2-Nitrophenol	ND		ug/kg	430	140	1
4-Nitrophenol	ND		ug/kg	280	85.	1
2,4-Dinitrophenol	ND		ug/kg	950	310	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	190	1
Phenol	ND		ug/kg	200	62.	1
2-Methylphenol	ND		ug/kg	200	49.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	86.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	46.	1
Benzoic Acid	ND		ug/kg	640	170	1
Benzyl Alcohol	ND		ug/kg	200	46.	1
Carbazole	ND		ug/kg	200	32.	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	35		25-120
Phenol-d6	37		10-120
Nitrobenzene-d5	33		23-120
2-Fluorobiphenyl	35		30-120
2,4,6-Tribromophenol	35		0-136
4-Terphenyl-d14	41		18-120

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-15

Client ID: SB-13 (1-3)

Sample Location: 285-295 NIAGARA ST.

Matrix: Soil

Analytical Method: 1,8270C

Analytical Date: 04/24/12 17:57

Analyst: JC

Percent Solids: 82%

Date Collected: 04/17/12 10:45

Date Received: 04/19/12

Field Prep: Not Specified

Extraction Method: EPA 3546

Extraction Date: 04/21/12 00:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	26		ug/kg	7.9	1.7	1
2-Chloronaphthalene	ND		ug/kg	7.9	1.8	1
Fluoranthene	140		ug/kg	7.9	1.2	1
Hexachlorobutadiene	ND		ug/kg	20	1.7	1
Naphthalene	6.3	J	ug/kg	7.9	2.2	1
Benzo(a)anthracene	68		ug/kg	7.9	1.3	1
Benzo(a)pyrene	46		ug/kg	7.9	2.2	1
Benzo(b)fluoranthene	38		ug/kg	7.9	1.7	1
Benzo(k)fluoranthene	38		ug/kg	7.9	1.7	1
Chrysene	55		ug/kg	7.9	1.9	1
Acenaphthylene	ND		ug/kg	7.9	1.8	1
Anthracene	46		ug/kg	7.9	1.6	1
Benzo(ghi)perylene	27		ug/kg	7.9	1.7	1
Fluorene	25		ug/kg	7.9	1.2	1
Phenanthrene	140		ug/kg	7.9	1.8	1
Dibenzo(a,h)anthracene	18		ug/kg	7.9	1.4	1
Indeno(1,2,3-cd)Pyrene	30		ug/kg	7.9	1.7	1
Pyrene	110		ug/kg	7.9	1.7	1
2-Methylnaphthalene	5.9	J	ug/kg	7.9	2.4	1
Pentachlorophenol	ND		ug/kg	32	9.6	1
Hexachlorobenzene	ND		ug/kg	32	1.6	1
Hexachloroethane	ND		ug/kg	32	1.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	34		25-120
Phenol-d6	37		10-120
Nitrobenzene-d5	39		23-120
2-Fluorobiphenyl	34		30-120
2,4,6-Tribromophenol	40		0-136
4-Terphenyl-d14	44		18-120

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-16

Date Collected: 04/17/12 12:30

Client ID: SB-14 (5-7)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270C

Extraction Date: 04/21/12 00:35

Analytical Date: 04/23/12 18:18

Analyst: RC

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/kg	190	56.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	36.	1
1,2-Dichlorobenzene	ND		ug/kg	190	56.	1
1,3-Dichlorobenzene	ND		ug/kg	190	60.	1
1,4-Dichlorobenzene	ND		ug/kg	190	55.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	70.	1
2,4-Dinitrotoluene	ND		ug/kg	190	58.	1
2,6-Dinitrotoluene	ND		ug/kg	190	63.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	34.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	40.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	54.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	48.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	150	1
Isophorone	ND		ug/kg	170	46.	1
Nitrobenzene	ND		ug/kg	170	56.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	48.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	54.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	40.	1
Butyl benzyl phthalate	ND		ug/kg	190	54.	1
Di-n-butylphthalate	ND		ug/kg	190	33.	1
Di-n-octylphthalate	ND		ug/kg	190	52.	1
Diethyl phthalate	ND		ug/kg	190	33.	1
Dimethyl phthalate	ND		ug/kg	190	32.	1
Biphenyl	ND		ug/kg	440	130	1
4-Chloroaniline	ND		ug/kg	190	65.	1
2-Nitroaniline	ND		ug/kg	190	35.	1
3-Nitroaniline	ND		ug/kg	190	22.	1
4-Nitroaniline	ND		ug/kg	190	120	1
Dibenzofuran	ND		ug/kg	190	40.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	61.	1
Acetophenone	ND		ug/kg	190	62.	1

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-16

Date Collected: 04/17/12 12:30

Client ID: SB-14 (5-7)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/kg	120	35.	1
P-Chloro-M-Cresol	ND		ug/kg	190	39.	1
2-Chlorophenol	ND		ug/kg	190	60.	1
2,4-Dichlorophenol	ND		ug/kg	170	56.	1
2,4-Dimethylphenol	ND		ug/kg	190	79.	1
2-Nitrophenol	ND		ug/kg	420	140	1
4-Nitrophenol	ND		ug/kg	270	82.	1
2,4-Dinitrophenol	ND		ug/kg	920	300	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	180	1
Phenol	ND		ug/kg	190	60.	1
2-Methylphenol	ND		ug/kg	190	47.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	83.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	45.	1
Benzoic Acid	ND		ug/kg	620	160	1
Benzyl Alcohol	ND		ug/kg	190	45.	1
Carbazole	ND		ug/kg	190	31.	1

Tentatively Identified Compounds

Unknown	950	J	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		25-120
Phenol-d6	62		10-120
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	60		30-120
2,4,6-Tribromophenol	54		0-136
4-Terphenyl-d14	67		18-120

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-16

Client ID: SB-14 (5-7)

Sample Location: 285-295 NIAGARA ST.

Matrix: Soil

Analytical Method: 1,8270C

Analytical Date: 04/24/12 18:24

Analyst: JC

Percent Solids: 86%

Date Collected: 04/17/12 12:30

Date Received: 04/19/12

Field Prep: Not Specified

Extraction Method: EPA 3546

Extraction Date: 04/21/12 00:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/kg	7.7	1.6	1
2-Chloronaphthalene	ND		ug/kg	7.7	1.8	1
Fluoranthene	32		ug/kg	7.7	1.1	1
Hexachlorobutadiene	ND		ug/kg	19	1.6	1
Naphthalene	ND		ug/kg	7.7	2.2	1
Benzo(a)anthracene	16		ug/kg	7.7	1.2	1
Benzo(a)pyrene	16		ug/kg	7.7	2.1	1
Benzo(b)fluoranthene	13		ug/kg	7.7	1.7	1
Benzo(k)fluoranthene	8.6		ug/kg	7.7	1.7	1
Chrysene	13		ug/kg	7.7	1.9	1
Acenaphthylene	ND		ug/kg	7.7	1.7	1
Anthracene	6.6	J	ug/kg	7.7	1.5	1
Benzo(ghi)perylene	11		ug/kg	7.7	1.7	1
Fluorene	2.2	J	ug/kg	7.7	1.1	1
Phenanthrene	23		ug/kg	7.7	1.7	1
Dibenzo(a,h)anthracene	12		ug/kg	7.7	1.3	1
Indeno(1,2,3-cd)Pyrene	14		ug/kg	7.7	1.6	1
Pyrene	27		ug/kg	7.7	1.6	1
2-Methylnaphthalene	ND		ug/kg	7.7	2.4	1
Pentachlorophenol	ND		ug/kg	31	9.3	1
Hexachlorobenzene	ND		ug/kg	31	1.6	1
Hexachloroethane	ND		ug/kg	31	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		25-120
Phenol-d6	63		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	58		30-120
2,4,6-Tribromophenol	68		0-136
4-Terphenyl-d14	79		18-120

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-17

Date Collected: 04/17/12 13:30

Client ID: SB-15 (0-2)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270C

Extraction Date: 04/21/12 00:35

Analytical Date: 04/23/12 18:43

Analyst: RC

Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/kg	200	58.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	38.	1
1,2-Dichlorobenzene	ND		ug/kg	200	58.	1
1,3-Dichlorobenzene	ND		ug/kg	200	62.	1
1,4-Dichlorobenzene	430		ug/kg	200	56.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	72.	1
2,4-Dinitrotoluene	ND		ug/kg	200	60.	1
2,6-Dinitrotoluene	ND		ug/kg	200	65.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	35.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	41.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	56.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	50.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	160	1
Isophorone	ND		ug/kg	180	47.	1
Nitrobenzene	ND		ug/kg	180	58.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	50.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	56.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	41.	1
Butyl benzyl phthalate	ND		ug/kg	200	56.	1
Di-n-butylphthalate	ND		ug/kg	200	34.	1
Di-n-octylphthalate	ND		ug/kg	200	54.	1
Diethyl phthalate	ND		ug/kg	200	34.	1
Dimethyl phthalate	ND		ug/kg	200	33.	1
Biphenyl	ND		ug/kg	450	140	1
4-Chloroaniline	ND		ug/kg	200	67.	1
2-Nitroaniline	ND		ug/kg	200	36.	1
3-Nitroaniline	ND		ug/kg	200	22.	1
4-Nitroaniline	ND		ug/kg	200	120	1
Dibenzofuran	ND		ug/kg	200	41.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	63.	1
Acetophenone	ND		ug/kg	200	64.	1

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-17

Date Collected: 04/17/12 13:30

Client ID: SB-15 (0-2)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
P-Chloro-M-Cresol	ND		ug/kg	200	41.	1
2-Chlorophenol	ND		ug/kg	200	62.	1
2,4-Dichlorophenol	ND		ug/kg	180	58.	1
2,4-Dimethylphenol	ND		ug/kg	200	82.	1
2-Nitrophenol	ND		ug/kg	430	140	1
4-Nitrophenol	ND		ug/kg	280	85.	1
2,4-Dinitrophenol	ND		ug/kg	950	310	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	190	1
Phenol	ND		ug/kg	200	62.	1
2-Methylphenol	ND		ug/kg	200	49.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	86.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	46.	1
Benzoic Acid	ND		ug/kg	640	170	1
Benzyl Alcohol	ND		ug/kg	200	46.	1
Carbazole	ND		ug/kg	200	32.	1

Tentatively Identified Compounds

Unknown	250	J	ug/kg	1
Cyclic octaatomic sulfur	340	J	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		25-120
Phenol-d6	64		10-120
Nitrobenzene-d5	57		23-120
2-Fluorobiphenyl	59		30-120
2,4,6-Tribromophenol	53		0-136
4-Terphenyl-d14	67		18-120

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-17

Date Collected: 04/17/12 13:30

Client ID: SB-15 (0-2)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270C

Extraction Date: 04/21/12 00:49

Analytical Date: 04/25/12 10:34

Analyst: JC

Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/kg	7.9	1.7	1
2-Chloronaphthalene	ND		ug/kg	7.9	1.8	1
Fluoranthene	15		ug/kg	7.9	1.2	1
Hexachlorobutadiene	ND		ug/kg	20	1.7	1
Naphthalene	17		ug/kg	7.9	2.2	1
Benzo(a)anthracene	7.3	J	ug/kg	7.9	1.3	1
Benzo(a)pyrene	11		ug/kg	7.9	2.2	1
Benzo(b)fluoranthene	10		ug/kg	7.9	1.7	1
Benzo(k)fluoranthene	4.8	J	ug/kg	7.9	1.7	1
Chrysene	11		ug/kg	7.9	1.9	1
Acenaphthylene	ND		ug/kg	7.9	1.8	1
Anthracene	ND		ug/kg	7.9	1.6	1
Benzo(ghi)perylene	9.4		ug/kg	7.9	1.7	1
Fluorene	ND		ug/kg	7.9	1.2	1
Phenanthrene	13		ug/kg	7.9	1.8	1
Dibenzo(a,h)anthracene	12		ug/kg	7.9	1.4	1
Indeno(1,2,3-cd)Pyrene	11		ug/kg	7.9	1.7	1
Pyrene	12		ug/kg	7.9	1.7	1
2-Methylnaphthalene	5.4	J	ug/kg	7.9	2.4	1
Pentachlorophenol	ND		ug/kg	32	9.6	1
Hexachlorobenzene	ND		ug/kg	32	1.6	1
Hexachloroethane	ND		ug/kg	32	1.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		25-120
Phenol-d6	63		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	57		30-120
2,4,6-Tribromophenol	65		0-136
4-Terphenyl-d14	66		18-120

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-18

Date Collected: 04/17/12 14:45

Client ID: SB-18 (7-9)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270C

Extraction Date: 04/21/12 00:35

Analytical Date: 04/23/12 19:09

Analyst: RC

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/kg	200	57.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	37.	1
1,2-Dichlorobenzene	ND		ug/kg	200	57.	1
1,3-Dichlorobenzene	ND		ug/kg	200	60.	1
1,4-Dichlorobenzene	ND		ug/kg	200	55.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	70.	1
2,4-Dinitrotoluene	ND		ug/kg	200	58.	1
2,6-Dinitrotoluene	ND		ug/kg	200	64.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	34.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	40.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	55.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	49.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	150	1
Isophorone	ND		ug/kg	180	46.	1
Nitrobenzene	ND		ug/kg	180	57.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	49.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	54.	1
Bis(2-Ethylhexyl)phthalate	89	J	ug/kg	200	40.	1
Butyl benzyl phthalate	ND		ug/kg	200	55.	1
Di-n-butylphthalate	ND		ug/kg	200	33.	1
Di-n-octylphthalate	ND		ug/kg	200	53.	1
Diethyl phthalate	ND		ug/kg	200	34.	1
Dimethyl phthalate	ND		ug/kg	200	32.	1
Biphenyl	ND		ug/kg	440	140	1
4-Chloroaniline	ND		ug/kg	200	66.	1
2-Nitroaniline	ND		ug/kg	200	36.	1
3-Nitroaniline	ND		ug/kg	200	22.	1
4-Nitroaniline	ND		ug/kg	200	120	1
Dibenzofuran	ND		ug/kg	200	40.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	62.	1
Acetophenone	ND		ug/kg	200	63.	1

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-18

Date Collected: 04/17/12 14:45

Client ID: SB-18 (7-9)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
P-Chloro-M-Cresol	ND		ug/kg	200	40.	1
2-Chlorophenol	ND		ug/kg	200	61.	1
2,4-Dichlorophenol	ND		ug/kg	180	57.	1
2,4-Dimethylphenol	ND		ug/kg	200	80.	1
2-Nitrophenol	ND		ug/kg	420	140	1
4-Nitrophenol	ND		ug/kg	270	83.	1
2,4-Dinitrophenol	ND		ug/kg	940	300	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	180	1
Phenol	ND		ug/kg	200	61.	1
2-Methylphenol	ND		ug/kg	200	48.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	84.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	45.	1
Benzoic Acid	ND		ug/kg	630	160	1
Benzyl Alcohol	ND		ug/kg	200	45.	1
Carbazole	ND		ug/kg	200	31.	1

Tentatively Identified Compounds

Unknown	6500	J	ug/kg			1
Unknown Alkane	1700	J	ug/kg			1
Unknown Substituted Benzene	3500	J	ug/kg			1
Unknown Substituted Benzene	2200	J	ug/kg			1
Unknown Substituted Benzene	2500	J	ug/kg			1
Unknown Substituted Benzene	4200	J	ug/kg			1
Unknown Substituted Benzene	7200	J	ug/kg			1
Unknown Substituted Benzene	1800	J	ug/kg			1
Unknown Substituted Benzene	2500	J	ug/kg			1
Unknown Substituted Benzene	1900	J	ug/kg			1
Unknown Substituted Benzene	4500	J	ug/kg			1
Unknown Substituted Benzene	670	J	ug/kg			1
Unknown Substituted Benzene	790	J	ug/kg			1
Unknown	1100	J	ug/kg			1
Unknown Substituted Benzene	780	J	ug/kg			1

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-18

Date Collected: 04/17/12 14:45

Client ID: SB-18 (7-9)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Tentatively Identified Compounds

Unknown	1500	J	ug/kg	1
Unknown C13H28	770	J	ug/kg	1
Unknown Substituted Naphthalene	710	J	ug/kg	1
Unknown Substituted Naphthalene	1300	J	ug/kg	1
Unknown Substituted Naphthalene	1100	J	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		25-120
Phenol-d6	52		10-120
Nitrobenzene-d5	50		23-120
2-Fluorobiphenyl	57		30-120
2,4,6-Tribromophenol	51		0-136
4-Terphenyl-d14	58		18-120

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-18 D
 Client ID: SB-18 (7-9)
 Sample Location: 285-295 NIAGARA ST.
 Matrix: Soil
 Analytical Method: 1,8270C
 Analytical Date: 04/25/12 12:47
 Analyst: JC
 Percent Solids: 84%

Date Collected: 04/17/12 14:45
 Date Received: 04/19/12
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 04/21/12 00:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	120		ug/kg	39	8.2	5
2-Chloronaphthalene	ND		ug/kg	39	9.1	5
Fluoranthene	50		ug/kg	39	5.8	5
Hexachlorobutadiene	ND		ug/kg	98	8.2	5
Naphthalene	270		ug/kg	39	11.	5
Benzo(a)anthracene	14	J	ug/kg	39	6.3	5
Benzo(a)pyrene	ND		ug/kg	39	11.	5
Benzo(b)fluoranthene	ND		ug/kg	39	8.5	5
Benzo(k)fluoranthene	ND		ug/kg	39	8.5	5
Chrysene	13	J	ug/kg	39	9.4	5
Acenaphthylene	ND		ug/kg	39	8.6	5
Anthracene	38	J	ug/kg	39	7.7	5
Benzo(ghi)perylene	ND		ug/kg	39	8.5	5
Fluorene	120		ug/kg	39	5.8	5
Phenanthrene	280		ug/kg	39	8.6	5
Dibenzo(a,h)anthracene	ND		ug/kg	39	6.8	5
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	39	8.4	5
Pyrene	41		ug/kg	39	8.2	5
2-Methylnaphthalene	2200		ug/kg	39	12.	5
Pentachlorophenol	ND		ug/kg	160	47.	5
Hexachlorobenzene	ND		ug/kg	160	8.1	5
Hexachloroethane	ND		ug/kg	160	8.8	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	78		0-136
4-Terphenyl-d14	78		18-120

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-19

Date Collected: 04/17/12 16:30

Client ID: SB-16 (0-2)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270C

Extraction Date: 04/21/12 00:35

Analytical Date: 04/23/12 19:35

Analyst: RC

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/kg	200	57.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	37.	1
1,2-Dichlorobenzene	ND		ug/kg	200	58.	1
1,3-Dichlorobenzene	ND		ug/kg	200	61.	1
1,4-Dichlorobenzene	ND		ug/kg	200	56.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	71.	1
2,4-Dinitrotoluene	ND		ug/kg	200	59.	1
2,6-Dinitrotoluene	ND		ug/kg	200	65.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	35.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	41.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	56.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	49.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	160	1
Isophorone	ND		ug/kg	180	47.	1
Nitrobenzene	ND		ug/kg	180	57.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	49.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	55.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	41.	1
Butyl benzyl phthalate	ND		ug/kg	200	55.	1
Di-n-butylphthalate	ND		ug/kg	200	34.	1
Di-n-octylphthalate	ND		ug/kg	200	53.	1
Diethyl phthalate	ND		ug/kg	200	34.	1
Dimethyl phthalate	ND		ug/kg	200	32.	1
Biphenyl	ND		ug/kg	450	140	1
4-Chloroaniline	ND		ug/kg	200	66.	1
2-Nitroaniline	ND		ug/kg	200	36.	1
3-Nitroaniline	ND		ug/kg	200	22.	1
4-Nitroaniline	ND		ug/kg	200	120	1
Dibenzofuran	ND		ug/kg	200	40.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	63.	1
Acetophenone	ND		ug/kg	200	63.	1

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-19

Date Collected: 04/17/12 16:30

Client ID: SB-16 (0-2)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
P-Chloro-M-Cresol	ND		ug/kg	200	40.	1
2-Chlorophenol	ND		ug/kg	200	62.	1
2,4-Dichlorophenol	ND		ug/kg	180	57.	1
2,4-Dimethylphenol	ND		ug/kg	200	81.	1
2-Nitrophenol	ND		ug/kg	420	140	1
4-Nitrophenol	ND		ug/kg	280	84.	1
2,4-Dinitrophenol	ND		ug/kg	940	300	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	180	1
Phenol	ND		ug/kg	200	62.	1
2-Methylphenol	ND		ug/kg	200	48.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	85.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	46.	1
Benzoic Acid	ND		ug/kg	640	170	1
Benzyl Alcohol	ND		ug/kg	200	46.	1
Carbazole	ND		ug/kg	200	32.	1

Tentatively Identified Compounds

Unknown	220	J	ug/kg	1
Unknown	500	J	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		25-120
Phenol-d6	55		10-120
Nitrobenzene-d5	48		23-120
2-Fluorobiphenyl	52		30-120
2,4,6-Tribromophenol	51		0-136
4-Terphenyl-d14	65		18-120

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-19

Date Collected: 04/17/12 16:30

Client ID: SB-16 (0-2)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270C

Extraction Date: 04/21/12 00:49

Analytical Date: 04/25/12 09:41

Analyst: JC

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/kg	7.9	1.7	1
2-Chloronaphthalene	ND		ug/kg	7.9	1.8	1
Fluoranthene	18		ug/kg	7.9	1.2	1
Hexachlorobutadiene	ND		ug/kg	20	1.7	1
Naphthalene	4.1	J	ug/kg	7.9	2.2	1
Benzo(a)anthracene	20		ug/kg	7.9	1.3	1
Benzo(a)pyrene	16		ug/kg	7.9	2.2	1
Benzo(b)fluoranthene	14		ug/kg	7.9	1.7	1
Benzo(k)fluoranthene	10		ug/kg	7.9	1.7	1
Chrysene	18		ug/kg	7.9	1.9	1
Acenaphthylene	ND		ug/kg	7.9	1.7	1
Anthracene	3.6	J	ug/kg	7.9	1.6	1
Benzo(ghi)perylene	11		ug/kg	7.9	1.7	1
Fluorene	2.0	J	ug/kg	7.9	1.2	1
Phenanthrene	19		ug/kg	7.9	1.7	1
Dibenzo(a,h)anthracene	12		ug/kg	7.9	1.4	1
Indeno(1,2,3-cd)Pyrene	12		ug/kg	7.9	1.7	1
Pyrene	18		ug/kg	7.9	1.7	1
2-Methylnaphthalene	6.4	J	ug/kg	7.9	2.4	1
Pentachlorophenol	ND		ug/kg	31	9.6	1
Hexachlorobenzene	ND		ug/kg	31	1.6	1
Hexachloroethane	ND		ug/kg	31	1.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		25-120
Phenol-d6	53		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	50		30-120
2,4,6-Tribromophenol	67		0-136
4-Terphenyl-d14	65		18-120

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-20

Date Collected: 04/17/12 17:00

Client ID: SB-17 (0-2)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270C

Extraction Date: 04/21/12 00:35

Analytical Date: 04/23/12 20:00

Analyst: RC

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/kg	190	56.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	37.	1
1,2-Dichlorobenzene	ND		ug/kg	190	57.	1
1,3-Dichlorobenzene	ND		ug/kg	190	60.	1
1,4-Dichlorobenzene	ND		ug/kg	190	55.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	70.	1
2,4-Dinitrotoluene	ND		ug/kg	190	58.	1
2,6-Dinitrotoluene	ND		ug/kg	190	64.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	34.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	40.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	54.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	49.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	150	1
Isophorone	ND		ug/kg	170	46.	1
Nitrobenzene	ND		ug/kg	170	56.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	48.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	54.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	40.	1
Butyl benzyl phthalate	ND		ug/kg	190	54.	1
Di-n-butylphthalate	ND		ug/kg	190	33.	1
Di-n-octylphthalate	ND		ug/kg	190	52.	1
Diethyl phthalate	ND		ug/kg	190	34.	1
Dimethyl phthalate	ND		ug/kg	190	32.	1
Biphenyl	ND		ug/kg	440	130	1
4-Chloroaniline	ND		ug/kg	190	65.	1
2-Nitroaniline	ND		ug/kg	190	35.	1
3-Nitroaniline	ND		ug/kg	190	22.	1
4-Nitroaniline	ND		ug/kg	190	120	1
Dibenzofuran	ND		ug/kg	190	40.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	62.	1
Acetophenone	ND		ug/kg	190	62.	1

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-20

Date Collected: 04/17/12 17:00

Client ID: SB-17 (0-2)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/kg	120	35.	1
P-Chloro-M-Cresol	ND		ug/kg	190	40.	1
2-Chlorophenol	ND		ug/kg	190	60.	1
2,4-Dichlorophenol	ND		ug/kg	170	56.	1
2,4-Dimethylphenol	ND		ug/kg	190	80.	1
2-Nitrophenol	ND		ug/kg	420	140	1
4-Nitrophenol	ND		ug/kg	270	82.	1
2,4-Dinitrophenol	ND		ug/kg	930	300	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	180	1
Phenol	ND		ug/kg	190	61.	1
2-Methylphenol	ND		ug/kg	190	48.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	84.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	45.	1
Benzoic Acid	ND		ug/kg	630	160	1
Benzyl Alcohol	ND		ug/kg	190	45.	1
Carbazole	ND		ug/kg	190	31.	1

Tentatively Identified Compounds

Unknown	620	J	ug/kg	1
Unknown	420	J	ug/kg	1
Unknown	630	J	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		25-120
Phenol-d6	59		10-120
Nitrobenzene-d5	51		23-120
2-Fluorobiphenyl	55		30-120
2,4,6-Tribromophenol	41		0-136
4-Terphenyl-d14	57		18-120

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-20

Client ID: SB-17 (0-2)

Sample Location: 285-295 NIAGARA ST.

Matrix: Soil

Analytical Method: 1,8270C

Analytical Date: 04/25/12 10:08

Analyst: JC

Percent Solids: 84%

Date Collected: 04/17/12 17:00

Date Received: 04/19/12

Field Prep: Not Specified

Extraction Method: EPA 3546

Extraction Date: 04/21/12 00:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	6.7	J	ug/kg	7.7	1.6	1
2-Chloronaphthalene	ND		ug/kg	7.7	1.8	1
Fluoranthene	56		ug/kg	7.7	1.1	1
Hexachlorobutadiene	ND		ug/kg	19	1.6	1
Naphthalene	2.7	J	ug/kg	7.7	2.2	1
Benzo(a)anthracene	54		ug/kg	7.7	1.2	1
Benzo(a)pyrene	80		ug/kg	7.7	2.1	1
Benzo(b)fluoranthene	65		ug/kg	7.7	1.7	1
Benzo(k)fluoranthene	57		ug/kg	7.7	1.7	1
Chrysene	44		ug/kg	7.7	1.9	1
Acenaphthylene	ND		ug/kg	7.7	1.7	1
Anthracene	13		ug/kg	7.7	1.5	1
Benzo(ghi)perylene	69		ug/kg	7.7	1.7	1
Fluorene	4.8	J	ug/kg	7.7	1.1	1
Phenanthrene	38		ug/kg	7.7	1.7	1
Dibenzo(a,h)anthracene	26		ug/kg	7.7	1.3	1
Indeno(1,2,3-cd)Pyrene	69		ug/kg	7.7	1.7	1
Pyrene	52		ug/kg	7.7	1.6	1
2-Methylnaphthalene	2.4	J	ug/kg	7.7	2.4	1
Pentachlorophenol	ND		ug/kg	31	9.4	1
Hexachlorobenzene	ND		ug/kg	31	1.6	1
Hexachloroethane	ND		ug/kg	31	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		25-120
Phenol-d6	58		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	56		30-120
2,4,6-Tribromophenol	63		0-136
4-Terphenyl-d14	67		18-120

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-21

Date Collected: 04/17/12 15:30

Client ID: SB-19 (3-5)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270C

Extraction Date: 04/21/12 00:35

Analytical Date: 04/23/12 20:26

Analyst: RC

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/kg	190	56.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	36.	1
1,2-Dichlorobenzene	ND		ug/kg	190	56.	1
1,3-Dichlorobenzene	ND		ug/kg	190	60.	1
1,4-Dichlorobenzene	ND		ug/kg	190	55.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	70.	1
2,4-Dinitrotoluene	ND		ug/kg	190	58.	1
2,6-Dinitrotoluene	ND		ug/kg	190	63.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	34.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	40.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	54.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	48.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	150	1
Isophorone	ND		ug/kg	170	46.	1
Nitrobenzene	ND		ug/kg	170	56.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	48.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	54.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	40.	1
Butyl benzyl phthalate	ND		ug/kg	190	54.	1
Di-n-butylphthalate	ND		ug/kg	190	33.	1
Di-n-octylphthalate	ND		ug/kg	190	52.	1
Diethyl phthalate	ND		ug/kg	190	33.	1
Dimethyl phthalate	ND		ug/kg	190	32.	1
Biphenyl	ND		ug/kg	440	130	1
4-Chloroaniline	ND		ug/kg	190	65.	1
2-Nitroaniline	ND		ug/kg	190	35.	1
3-Nitroaniline	ND		ug/kg	190	22.	1
4-Nitroaniline	ND		ug/kg	190	120	1
Dibenzofuran	ND		ug/kg	190	40.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	61.	1
Acetophenone	ND		ug/kg	190	62.	1

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-21

Date Collected: 04/17/12 15:30

Client ID: SB-19 (3-5)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/kg	120	35.	1
P-Chloro-M-Cresol	ND		ug/kg	190	39.	1
2-Chlorophenol	ND		ug/kg	190	60.	1
2,4-Dichlorophenol	ND		ug/kg	170	56.	1
2,4-Dimethylphenol	ND		ug/kg	190	79.	1
2-Nitrophenol	ND		ug/kg	420	140	1
4-Nitrophenol	ND		ug/kg	270	82.	1
2,4-Dinitrophenol	ND		ug/kg	920	300	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	180	1
Phenol	ND		ug/kg	190	60.	1
2-Methylphenol	ND		ug/kg	190	47.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	83.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	45.	1
Benzoic Acid	ND		ug/kg	620	160	1
Benzyl Alcohol	ND		ug/kg	190	45.	1
Carbazole	ND		ug/kg	190	31.	1

Tentatively Identified Compounds

Unknown	790	J	ug/kg	1
Unknown	220	J	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		25-120
Phenol-d6	56		10-120
Nitrobenzene-d5	50		23-120
2-Fluorobiphenyl	53		30-120
2,4,6-Tribromophenol	55		0-136
4-Terphenyl-d14	67		18-120

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-21

Date Collected: 04/17/12 15:30

Client ID: SB-19 (3-5)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270C

Extraction Date: 04/21/12 00:49

Analytical Date: 04/25/12 11:28

Analyst: JC

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/kg	7.7	1.6	1
2-Chloronaphthalene	ND		ug/kg	7.7	1.8	1
Fluoranthene	ND		ug/kg	7.7	1.1	1
Hexachlorobutadiene	ND		ug/kg	19	1.6	1
Naphthalene	ND		ug/kg	7.7	2.2	1
Benzo(a)anthracene	ND		ug/kg	7.7	1.2	1
Benzo(a)pyrene	ND		ug/kg	7.7	2.1	1
Benzo(b)fluoranthene	ND		ug/kg	7.7	1.7	1
Benzo(k)fluoranthene	ND		ug/kg	7.7	1.7	1
Chrysene	ND		ug/kg	7.7	1.9	1
Acenaphthylene	ND		ug/kg	7.7	1.7	1
Anthracene	ND		ug/kg	7.7	1.5	1
Benzo(ghi)perylene	ND		ug/kg	7.7	1.7	1
Fluorene	ND		ug/kg	7.7	1.1	1
Phenanthrene	ND		ug/kg	7.7	1.7	1
Dibenzo(a,h)anthracene	ND		ug/kg	7.7	1.3	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	7.7	1.6	1
Pyrene	ND		ug/kg	7.7	1.6	1
2-Methylnaphthalene	ND		ug/kg	7.7	2.4	1
Pentachlorophenol	ND		ug/kg	31	9.3	1
Hexachlorobenzene	ND		ug/kg	31	1.6	1
Hexachloroethane	ND		ug/kg	31	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		25-120
Phenol-d6	57		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	51		30-120
2,4,6-Tribromophenol	71		0-136
4-Terphenyl-d14	72		18-120

Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1206819

Project Number: 0236-001-101

Report Date: 04/26/12

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270C
 Analytical Date: 04/24/12 20:54
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 04/21/12 00:34

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-12,15-21 Batch: WG530722-1					
Acenaphthene	ND		ug/kg	130	36.
1,2,4-Trichlorobenzene	ND		ug/kg	170	48.
Hexachlorobenzene	ND		ug/kg	100	26.
Bis(2-chloroethyl)ether	ND		ug/kg	150	31.
2-Chloronaphthalene	ND		ug/kg	170	50.
1,2-Dichlorobenzene	ND		ug/kg	170	49.
1,3-Dichlorobenzene	ND		ug/kg	170	51.
1,4-Dichlorobenzene	ND		ug/kg	170	47.
3,3'-Dichlorobenzidine	ND		ug/kg	170	60.
2,4-Dinitrotoluene	ND		ug/kg	170	50.
2,6-Dinitrotoluene	ND		ug/kg	170	54.
Fluoranthene	ND		ug/kg	100	22.
4-Chlorophenyl phenyl ether	ND		ug/kg	170	29.
4-Bromophenyl phenyl ether	ND		ug/kg	170	34.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	47.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	42.
Hexachlorobutadiene	ND		ug/kg	170	44.
Hexachlorocyclopentadiene	ND		ug/kg	480	130
Hexachloroethane	ND		ug/kg	130	24.
Isophorone	ND		ug/kg	150	40.
Naphthalene	ND		ug/kg	170	53.
Nitrobenzene	ND		ug/kg	150	48.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	42.
n-Nitrosodi-n-propylamine	ND		ug/kg	170	46.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	34.
Butyl benzyl phthalate	ND		ug/kg	170	46.
Di-n-butylphthalate	ND		ug/kg	170	28.
Di-n-octylphthalate	ND		ug/kg	170	45.
Diethyl phthalate	ND		ug/kg	170	29.
Dimethyl phthalate	ND		ug/kg	170	27.

Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1206819

Project Number: 0236-001-101

Report Date: 04/26/12

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270C
 Analytical Date: 04/24/12 20:54
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 04/21/12 00:34

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-12,15-21 Batch: WG530722-1					
Benzo(a)anthracene	ND		ug/kg	100	33.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	100	29.
Benzo(k)fluoranthene	ND		ug/kg	100	26.
Chrysene	ND		ug/kg	100	26.
Acenaphthylene	ND		ug/kg	130	43.
Anthracene	ND		ug/kg	100	23.
Benzo(ghi)perylene	ND		ug/kg	130	42.
Fluorene	ND		ug/kg	170	30.
Phenanthrene	ND		ug/kg	100	28.
Dibenzo(a,h)anthracene	ND		ug/kg	100	31.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	40.
Pyrene	ND		ug/kg	100	27.
Biphenyl	ND		ug/kg	380	120
4-Chloroaniline	ND		ug/kg	170	56.
2-Nitroaniline	ND		ug/kg	170	30.
3-Nitroaniline	ND		ug/kg	170	19.
4-Nitroaniline	ND		ug/kg	170	100
Dibenzofuran	ND		ug/kg	170	34.
2-Methylnaphthalene	ND		ug/kg	200	65.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	53.
Acetophenone	ND		ug/kg	170	53.
2,4,6-Trichlorophenol	ND		ug/kg	100	30.
P-Chloro-M-Cresol	ND		ug/kg	170	34.
2-Chlorophenol	ND		ug/kg	170	52.
2,4-Dichlorophenol	ND		ug/kg	150	48.
2,4-Dimethylphenol	ND		ug/kg	170	68.
2-Nitrophenol	ND		ug/kg	360	120
4-Nitrophenol	ND		ug/kg	230	71.
2,4-Dinitrophenol	ND		ug/kg	800	260

Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1206819

Project Number: 0236-001-101

Report Date: 04/26/12

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270C
 Analytical Date: 04/24/12 20:54
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 04/21/12 00:34

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-12,15-21 Batch: WG530722-1					
4,6-Dinitro-o-cresol	ND		ug/kg	430	160
Pentachlorophenol	ND		ug/kg	130	39.
Phenol	ND		ug/kg	170	52.
2-Methylphenol	ND		ug/kg	170	41.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	72.
2,4,5-Trichlorophenol	ND		ug/kg	170	39.
Benzoic Acid	ND		ug/kg	540	140
Benzyl Alcohol	ND		ug/kg	170	38.
Carbazole	ND		ug/kg	170	27.

Tentatively Identified Compounds

Unknown	610	J	ug/kg

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	85		0-136
4-Terphenyl-d14	93		18-120

Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1206819

Project Number: 0236-001-101

Report Date: 04/26/12

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270C
 Analytical Date: 04/24/12 11:48
 Analyst: JC

Extraction Method: EPA 3546
 Extraction Date: 04/21/12 00:46

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-12,15-21 Batch: WG530723-1					
Acenaphthene	ND		ug/kg	6.6	1.4
2-Chloronaphthalene	ND		ug/kg	6.6	1.5
Fluoranthene	ND		ug/kg	6.6	0.99
Hexachlorobutadiene	ND		ug/kg	17	1.4
Naphthalene	ND		ug/kg	6.6	1.9
Benzo(a)anthracene	ND		ug/kg	6.6	1.1
Benzo(a)pyrene	ND		ug/kg	6.6	1.8
Benzo(b)fluoranthene	ND		ug/kg	6.6	1.4
Benzo(k)fluoranthene	ND		ug/kg	6.6	1.4
Chrysene	ND		ug/kg	6.6	1.6
Acenaphthylene	ND		ug/kg	6.6	1.5
Anthracene	ND		ug/kg	6.6	1.3
Benzo(ghi)perylene	ND		ug/kg	6.6	1.4
Fluorene	ND		ug/kg	6.6	0.99
Phenanthrene	ND		ug/kg	6.6	1.5
Dibenzo(a,h)anthracene	ND		ug/kg	6.6	1.2
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	6.6	1.4
Pyrene	ND		ug/kg	6.6	1.4
2-Methylnaphthalene	ND		ug/kg	6.6	2.0
Pentachlorophenol	ND		ug/kg	26	8.0
Hexachlorobenzene	ND		ug/kg	26	1.4
Hexachloroethane	ND		ug/kg	26	1.5

Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1206819

Project Number: 0236-001-101

Report Date: 04/26/12

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270C
 Analytical Date: 04/24/12 11:48
 Analyst: JC

Extraction Method: EPA 3546
 Extraction Date: 04/21/12 00:46

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-12,15-21 Batch: WG530723-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		25-120
Phenol-d6	62		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	63		30-120
2,4,6-Tribromophenol	83		0-136
4-Terphenyl-d14	86		18-120

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1206819

Project Number: 0236-001-101

Report Date: 04/26/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12,15-21 Batch: WG530722-2 WG530722-3								
Acenaphthene	70		58		31-137	19		50
1,2,4-Trichlorobenzene	64		56		38-107	13		50
Hexachlorobenzene	82		70		40-140	16		50
Bis(2-chloroethyl)ether	61		54		40-140	12		50
2-Chloronaphthalene	84		72		40-140	15		50
1,2-Dichlorobenzene	62		55		40-140	12		50
1,3-Dichlorobenzene	59		51		40-140	15		50
1,4-Dichlorobenzene	60		52		28-104	14		50
3,3'-Dichlorobenzidine	63		52		40-140	19		50
2,4-Dinitrotoluene	91	Q	76		28-89	18		50
2,6-Dinitrotoluene	89		81		40-140	9		50
Fluoranthene	86		74		40-140	15		50
4-Chlorophenyl phenyl ether	79		67		40-140	16		50
4-Bromophenyl phenyl ether	87		74		40-140	16		50
Bis(2-chloroisopropyl)ether	61		53		40-140	14		50
Bis(2-chloroethoxy)methane	65		57		40-117	13		50
Hexachlorobutadiene	70		60		40-140	15		50
Hexachlorocyclopentadiene	68		57		40-140	18		50
Hexachloroethane	56		48		40-140	15		50
Isophorone	68		58		40-140	16		50
Naphthalene	66		58		40-140	13		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 285-295 NIAGARA ST SITE

Project Number: 0236-001-101

Lab Number: L1206819

Report Date: 04/26/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12,15-21 Batch: WG530722-2 WG530722-3								
Nitrobenzene	68		59		40-140	14		50
NitrosoDiPhenylAmine(NDPA)/DPA	73		64			14		50
n-Nitrosodi-n-propylamine	67		56		32-121	18		50
Bis(2-Ethylhexyl)phthalate	83		70		40-140	17		50
Butyl benzyl phthalate	91		78		40-140	15		50
Di-n-butylphthalate	86		73		40-140	16		50
Di-n-octylphthalate	88		74		40-140	17		50
Diethyl phthalate	86		74		40-140	15		50
Dimethyl phthalate	81		70		40-140	15		50
Benzo(a)anthracene	80		68		40-140	16		50
Benzo(a)pyrene	74		63		40-140	16		50
Benzo(b)fluoranthene	92		67		40-140	31		50
Benzo(k)fluoranthene	77		75		40-140	3		50
Chrysene	80		68		40-140	16		50
Acenaphthylene	78		67		40-140	15		50
Anthracene	82		70		40-140	16		50
Benzo(ghi)perylene	73		62		40-140	16		50
Fluorene	76		67		40-140	13		50
Phenanthrene	79		67		40-140	16		50
Dibenzo(a,h)anthracene	76		65		40-140	16		50
Indeno(1,2,3-cd)Pyrene	72		60		40-140	18		50

Lab Control Sample Analysis Batch Quality Control

Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1206819

Project Number: 0236-001-101

Report Date: 04/26/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12,15-21 Batch: WG530722-2 WG530722-3								
Pyrene	87		72		35-142	19		50
Biphenyl	74		63			16		50
4-Chloroaniline	70		56		40-140	22		50
2-Nitroaniline	95		80		47-134	17		50
3-Nitroaniline	80		68		26-129	16		50
4-Nitroaniline	85		67		41-125	24		50
Dibenzofuran	75		63		40-140	17		50
2-Methylnaphthalene	66		59		40-140	11		50
1,2,4,5-Tetrachlorobenzene	64		55		40-117	15		50
Acetophenone	73		65		14-144	11		50
2,4,6-Trichlorophenol	92		77		30-130	18		50
P-Chloro-M-Cresol	92		83		26-103	10		50
2-Chlorophenol	72		62		25-102	15		50
2,4-Dichlorophenol	85		70		30-130	19		50
2,4-Dimethylphenol	85		70		30-130	19		50
2-Nitrophenol	69		60		30-130	14		50
4-Nitrophenol	104		89		11-114	16		50
2,4-Dinitrophenol	10		13		4-130	26		50
4,6-Dinitro-o-cresol	39		40		10-130	3		50
Pentachlorophenol	72		65		17-109	10		50
Phenol	68		57		26-90	18		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1206819

Project Number: 0236-001-101

Report Date: 04/26/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12,15-21 Batch: WG530722-2 WG530722-3								
2-Methylphenol	73		61		30-130.	18		50
3-Methylphenol/4-Methylphenol	77		65		30-130	17		50
2,4,5-Trichlorophenol	96		83		30-130	15		50
Benzoic Acid	22		24			9		50
Benzyl Alcohol	77		63		40-140	20		50
Carbazole	81		69		54-128	16		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	71		60		25-120
Phenol-d6	77		64		10-120
Nitrobenzene-d5	73		61		23-120
2-Fluorobiphenyl	80		65		30-120
2,4,6-Tribromophenol	87		71		0-136
4-Terphenyl-d14	94		79		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285-295 NIAGARA ST SITE

Project Number: 0236-001-101

Lab Number: L1206819

Report Date: 04/26/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-12,15-21 Batch: WG530723-2 WG530723-3								
Acenaphthene	76		74		31-137	3		50
2-Chloronaphthalene	74		70		40-140	6		50
Fluoranthene	85		93		40-140	9		50
Hexachlorobutadiene	68		62		40-140	9		50
Naphthalene	70		63		40-140	11		50
Benzo(a)anthracene	92		98		40-140	6		50
Benzo(a)pyrene	74		82		40-140	10		50
Benzo(b)fluoranthene	79		85		40-140	7		50
Benzo(k)fluoranthene	84		93		40-140	10		50
Chrysene	83		87		40-140	5		50
Acenaphthylene	79		74		40-140	7		50
Anthracene	86		92		40-140	7		50
Benzo(ghi)perylene	79		86		40-140	8		50
Fluorene	74		76		40-140	3		50
Phenanthrene	79		84		40-140	6		50
Dibenzo(a,h)anthracene	80		88		40-140	10		50
Indeno(1,2,3-cd)Pyrene	76		84		40-140	10		50
Pyrene	84		90		35-142	7		50
2-Methylnaphthalene	69		65		40-140	6		50
Pentachlorophenol	65		81		17-109	22		50
Hexachlorobenzene	82		84		40-140	2		50

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-12,15-21 Batch: WG530723-2 WG530723-3								
Hexachloroethane	65		62		40-140	5		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	67		60		25-120
Phenol-d6	68		63		10-120
Nitrobenzene-d5	73		64		23-120
2-Fluorobiphenyl	65		60		30-120
2,4,6-Tribromophenol	87		105		0-136
4-Terphenyl-d14	86		91		18-120

Matrix Spike Analysis

Batch Quality Control

Project Name: 285-295 NIAGARA ST SITE
Project Number: 0236-001-101

Lab Number: L1206819
Report Date: 04/26/12

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): 01-12,15-21 QC Batch ID: WG530722-4 WG530722-5 QC Sample: L1206819-06 Client ID: SB-05 (0-4)												
1,2,4-Trichlorobenzene	ND	1430	730	51		1100	77		38-107	40		50
Bis(2-chloroethyl)ether	ND	1430	680	48		1000	70		40-140	38		50
1,2-Dichlorobenzene	ND	1430	720	50		1100	77		40-140	42		50
1,3-Dichlorobenzene	ND	1430	670	47		940	66		40-140	34		50
1,4-Dichlorobenzene	ND	1430	680	48		990	69		28-104	37		50
3,3'-Dichlorobenzidine	ND	1430	650	23	Q	1500	50		40-140	14		50
2,4-Dinitrotoluene	ND	1430	740	52		1100	77		28-89	39		50
2,6-Dinitrotoluene	ND	1430	760	53		1100	77		40-140	37		50
4-Chlorophenyl phenyl ether	ND	1430	850	60		1200	84		40-140	34		50
4-Bromophenyl phenyl ether	ND	1430	810	57		1200	84		40-140	39		50
Bis(2-chloroisopropyl)ether	ND	1430	820	57		1000	70		40-140	20		50
Bis(2-chloroethoxy)methane	ND	1430	710	50		1100	77		40-117	43		50
Hexachlorocyclopentadiene	ND	1430	ND	0	Q	ND	0	Q	40-140	NC		50
Isophorone	ND	1430	690	48		1100	77		40-140	46		50
Nitrobenzene	ND	1430	700	49		1100	77		40-140	44		50
NitrosoDiPhenylAmine(NDPA)/DPA	ND	1430	750	28		2000	70			29		50
n-Nitrosodi-n-propylamine	ND	1430	660	46		1100	77		32-121	50		50
Bis(2-Ethylhexyl)phthalate	ND	1430	890	62		1300	91		40-140	37		50
Butyl benzyl phthalate	ND	1430	790	55		1100	77		40-140	33		50
Di-n-butylphthalate	ND	1430	830	58		1200	84		40-140	36		50
Di-n-octylphthalate	ND	1430	760	53		1200	84		40-140	45		50

Matrix Spike Analysis

Batch Quality Control

Project Name: 285-295 NIAGARA ST SITE

Project Number: 0236-001-101

Lab Number: L1206819

Report Date: 04/26/12

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): 01-12,15-21 QC Batch ID: WG530722-4 WG530722-5 QC Sample: L1206819-06 Client ID: SB-05 (0-4)

Diethyl phthalate	ND	1430	780	55		1100	77		40-140	34		50
Dimethyl phthalate	ND	1430	750	53		1100	77		40-140	38		50
Biphenyl	ND	1430	910	64		1200	84			27		50
4-Chloroaniline	ND	1430	670	47		840	59		40-140	23		50
2-Nitroaniline	ND	1430	760	53		1200	84		47-134	45		50
3-Nitroaniline	ND	1430	660	46		960	67		26-129	37		50
4-Nitroaniline	ND	1430	760	53		980	69		41-125	25		50
Dibenzofuran	160J	1430	900	63		1200	84		40-140	29		50
1,2,4,5-Tetrachlorobenzene	ND	1430	860	60		1100	77		40-117	24		50
Acetophenone	ND	1430	750	28		2500	85		14-144	50		50
2,4,6-Trichlorophenol	ND	1430	500	35		730	51		30-130	37		50
P-Chloro-M-Cresol	ND	1430	800	56		1300	91		26-103	48		50
2-Chlorophenol	ND	1430	640	45		970	68		25-102	41		50
2,4-Dichlorophenol	ND	1430	590	41		880	62		30-130	39		50
2,4-Dimethylphenol	ND	1430	770	54		1300	91		30-130	51	Q	50
2-Nitrophenol	ND	1430	390J	27	Q	660J	46		30-130	51	Q	50
4-Nitrophenol	ND	1430	470J	33		770	54		11-114	48		50
2,4-Dinitrophenol	ND	1430	ND	0	Q	ND	0	Q	4-130	NC		50
4,6-Dinitro-o-cresol	ND	1430	480J	34		690J	48		10-130	36		50
Phenol	ND	1430	760	53		1000	70		26-90	27		50
2-Methylphenol	ND	1430	820	57		1200	84		30-130	38		50

Matrix Spike Analysis

Batch Quality Control

Project Name: 285-295 NIAGARA ST SITE

Project Number: 0236-001-101

Lab Number: L1206819

Report Date: 04/26/12

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): 01-12,15-21 QC Batch ID: WG530722-4 WG530722-5 QC Sample: L1206819-06 Client ID: SB-05 (0-4)

3-Methylphenol/4-Methylphenol	ND	1430	820	57		1200	84		30-130	38		50
2,4,5-Trichlorophenol	ND	1430	570	40		860	60		30-130	41		50
Benzoic Acid	ND	1430	ND	0		ND	0			NC		50
Benzyl Alcohol	ND	1430	630	44		1100	77		40-140	54	Q	50
Carbazole	270J	1430	940	66		1300	91		54-128	32		50

Surrogate	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
2,4,6-Tribromophenol	33		58		0-136
2-Fluorobiphenyl	60		86		30-120
2-Fluorophenol	41		63		25-120
4-Terphenyl-d14	61		84		18-120
Nitrobenzene-d5	48		87		23-120
Phenol-d6	58		85		10-120

PCBS

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-03

Client ID: SB-03 (5-7)

Sample Location: 285-295 NIAGARA ST.

Matrix: Soil

Analytical Method: 1,8082

Analytical Date: 04/22/12 22:21

Analyst: SS

Percent Solids: 86%

Date Collected: 04/16/12 10:00

Date Received: 04/19/12

Field Prep: Not Specified

Extraction Method: EPA 3546

Extraction Date: 04/20/12 09:12

Cleanup Method1: EPA 3665A

Cleanup Date1: 04/21/12

Cleanup Method2: EPA 3660B

Cleanup Date2: 04/21/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	37.8	7.46	1
Aroclor 1221	ND		ug/kg	37.8	11.4	1
Aroclor 1232	ND		ug/kg	37.8	8.03	1
Aroclor 1242	ND		ug/kg	37.8	7.17	1
Aroclor 1248	ND		ug/kg	37.8	4.57	1
Aroclor 1254	ND		ug/kg	37.8	5.96	1
Aroclor 1260	ND		ug/kg	37.8	6.56	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	50		30-150
Decachlorobiphenyl	47		30-150
2,4,5,6-Tetrachloro-m-xylene	54		30-150
Decachlorobiphenyl	51		30-150

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-04

Client ID: BLIND DUP

Sample Location: 285-295 NIAGARA ST.

Matrix: Soil

Analytical Method: 1,8082

Analytical Date: 04/22/12 22:34

Analyst: SS

Percent Solids: 85%

Date Collected: 04/16/12 08:00

Date Received: 04/19/12

Field Prep: Not Specified

Extraction Method: EPA 3546

Extraction Date: 04/20/12 09:12

Cleanup Method1: EPA 3665A

Cleanup Date1: 04/21/12

Cleanup Method2: EPA 3660B

Cleanup Date2: 04/21/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	37.5	7.40	1
Aroclor 1221	ND		ug/kg	37.5	11.3	1
Aroclor 1232	ND		ug/kg	37.5	7.96	1
Aroclor 1242	ND		ug/kg	37.5	7.11	1
Aroclor 1248	ND		ug/kg	37.5	4.53	1
Aroclor 1254	ND		ug/kg	37.5	5.91	1
Aroclor 1260	ND		ug/kg	37.5	6.50	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	56		30-150
Decachlorobiphenyl	44		30-150
2,4,5,6-Tetrachloro-m-xylene	58		30-150
Decachlorobiphenyl	48		30-150

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-05

Client ID: SB-04 (9-11')

Sample Location: 285-295 NIAGARA ST.

Matrix: Soil

Analytical Method: 1,8082

Analytical Date: 04/22/12 22:46

Analyst: SS

Percent Solids: 85%

Date Collected: 04/16/12 10:30

Date Received: 04/19/12

Field Prep: Not Specified

Extraction Method: EPA 3546

Extraction Date: 04/20/12 09:12

Cleanup Method1: EPA 3665A

Cleanup Date1: 04/21/12

Cleanup Method2: EPA 3660B

Cleanup Date2: 04/21/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	37.2	7.34	1
Aroclor 1221	ND		ug/kg	37.2	11.2	1
Aroclor 1232	ND		ug/kg	37.2	7.89	1
Aroclor 1242	ND		ug/kg	37.2	7.05	1
Aroclor 1248	ND		ug/kg	37.2	4.50	1
Aroclor 1254	ND		ug/kg	37.2	5.86	1
Aroclor 1260	ND		ug/kg	37.2	6.45	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	51		30-150
Decachlorobiphenyl	42		30-150
2,4,5,6-Tetrachloro-m-xylene	53		30-150
Decachlorobiphenyl	45		30-150

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-06

Client ID: SB-05 (0-4)

Sample Location: 285-295 NIAGARA ST.

Matrix: Soil

Analytical Method: 1,8082

Analytical Date: 04/22/12 22:58

Analyst: SS

Percent Solids: 93%

Date Collected: 04/16/12 11:29

Date Received: 04/19/12

Field Prep: Not Specified

Extraction Method: EPA 3546

Extraction Date: 04/20/12 09:12

Cleanup Method1: EPA 3665A

Cleanup Date1: 04/21/12

Cleanup Method2: EPA 3660B

Cleanup Date2: 04/21/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	35.0	6.92	1
Aroclor 1221	ND		ug/kg	35.0	10.6	1
Aroclor 1232	ND		ug/kg	35.0	7.44	1
Aroclor 1242	ND		ug/kg	35.0	6.65	1
Aroclor 1248	ND		ug/kg	35.0	4.24	1
Aroclor 1254	ND		ug/kg	35.0	5.52	1
Aroclor 1260	ND		ug/kg	35.0	6.08	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	59		30-150
Decachlorobiphenyl	67		30-150
2,4,5,6-Tetrachloro-m-xylene	56		30-150
Decachlorobiphenyl	71		30-150

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-08

Client ID: SB-06 (7-9')

Sample Location: 285-295 NIAGARA ST.

Matrix: Soil

Analytical Method: 1,8082

Analytical Date: 04/22/12 23:10

Analyst: SS

Percent Solids: 85%

Date Collected: 04/16/12 12:00

Date Received: 04/19/12

Field Prep: Not Specified

Extraction Method: EPA 3546

Extraction Date: 04/20/12 09:12

Cleanup Method1: EPA 3665A

Cleanup Date1: 04/21/12

Cleanup Method2: EPA 3660B

Cleanup Date2: 04/21/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	38.4	7.58	1
Aroclor 1221	ND		ug/kg	38.4	11.6	1
Aroclor 1232	ND		ug/kg	38.4	8.16	1
Aroclor 1242	ND		ug/kg	38.4	7.29	1
Aroclor 1248	ND		ug/kg	38.4	4.64	1
Aroclor 1254	ND		ug/kg	38.4	6.05	1
Aroclor 1260	ND		ug/kg	38.4	6.66	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	45		30-150
Decachlorobiphenyl	46		30-150
2,4,5,6-Tetrachloro-m-xylene	46		30-150
Decachlorobiphenyl	52		30-150

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-09

Client ID: SB-07 (5-7)

Sample Location: 285-295 NIAGARA ST.

Matrix: Soil

Analytical Method: 1,8082

Analytical Date: 04/22/12 23:23

Analyst: SS

Percent Solids: 83%

Date Collected: 04/16/12 13:30

Date Received: 04/19/12

Field Prep: Not Specified

Extraction Method: EPA 3546

Extraction Date: 04/20/12 09:12

Cleanup Method1: EPA 3665A

Cleanup Date1: 04/21/12

Cleanup Method2: EPA 3660B

Cleanup Date2: 04/21/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	39.7	7.84	1
Aroclor 1221	ND		ug/kg	39.7	12.0	1
Aroclor 1232	ND		ug/kg	39.7	8.43	1
Aroclor 1242	ND		ug/kg	39.7	7.53	1
Aroclor 1248	ND		ug/kg	39.7	4.80	1
Aroclor 1254	ND		ug/kg	39.7	6.26	1
Aroclor 1260	ND		ug/kg	39.7	6.89	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	55		30-150
Decachlorobiphenyl	51		30-150
2,4,5,6-Tetrachloro-m-xylene	63		30-150
Decachlorobiphenyl	63		30-150

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-17

Client ID: SB-15 (0-2)

Sample Location: 285-295 NIAGARA ST.

Matrix: Soil

Analytical Method: 1,8082

Analytical Date: 04/25/12 13:57

Analyst: KB

Percent Solids: 83%

Date Collected: 04/17/12 13:30

Date Received: 04/19/12

Field Prep: Not Specified

Extraction Method: EPA 3546

Extraction Date: 04/25/12 10:45

Cleanup Method1: EPA 3665A

Cleanup Date1: 04/25/12

Cleanup Method2: EPA 3660B

Cleanup Date2: 04/25/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	38.2	7.54	1
Aroclor 1221	ND		ug/kg	38.2	11.5	1
Aroclor 1232	ND		ug/kg	38.2	8.11	1
Aroclor 1242	ND		ug/kg	38.2	7.25	1
Aroclor 1248	ND		ug/kg	38.2	4.62	1
Aroclor 1254	ND		ug/kg	38.2	6.02	1
Aroclor 1260	ND		ug/kg	38.2	6.63	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	65		30-150
Decachlorobiphenyl	64		30-150
2,4,5,6-Tetrachloro-m-xylene	59		30-150
Decachlorobiphenyl	67		30-150

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-20

Client ID: SB-17 (0-2)

Sample Location: 285-295 NIAGARA ST.

Matrix: Soil

Analytical Method: 1,8082

Analytical Date: 04/22/12 23:47

Analyst: SS

Percent Solids: 84%

Date Collected: 04/17/12 17:00

Date Received: 04/19/12

Field Prep: Not Specified

Extraction Method: EPA 3546

Extraction Date: 04/20/12 09:12

Cleanup Method1: EPA 3665A

Cleanup Date1: 04/21/12

Cleanup Method2: EPA 3660B

Cleanup Date2: 04/21/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	37.7	7.45	1
Aroclor 1221	ND		ug/kg	37.7	11.4	1
Aroclor 1232	ND		ug/kg	37.7	8.02	1
Aroclor 1242	ND		ug/kg	37.7	7.16	1
Aroclor 1248	ND		ug/kg	37.7	4.57	1
Aroclor 1254	ND		ug/kg	37.7	5.95	1
Aroclor 1260	ND		ug/kg	37.7	6.55	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	58		30-150
Decachlorobiphenyl	50		30-150
2,4,5,6-Tetrachloro-m-xylene	59		30-150
Decachlorobiphenyl	58		30-150

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082
 Analytical Date: 04/22/12 21:07
 Analyst: SS

Extraction Method: EPA 3546
 Extraction Date: 04/20/12 09:12
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 04/21/12
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 04/21/12

Parameter	Result	Qualifier	Units	RL	MDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 03-06,08-09,20 Batch: WG530512-1					
Aroclor 1016	ND		ug/kg	32.7	6.45
Aroclor 1221	ND		ug/kg	32.7	9.86
Aroclor 1232	ND		ug/kg	32.7	6.94
Aroclor 1242	ND		ug/kg	32.7	6.20
Aroclor 1248	ND		ug/kg	32.7	3.95
Aroclor 1254	ND		ug/kg	32.7	5.15
Aroclor 1260	ND		ug/kg	32.7	5.67

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	78		30-150
Decachlorobiphenyl	74		30-150
2,4,5,6-Tetrachloro-m-xylene	75		30-150
Decachlorobiphenyl	88		30-150

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082
 Analytical Date: 04/25/12 14:10
 Analyst: KB

Extraction Method: EPA 3546
 Extraction Date: 04/25/12 10:45
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 04/25/12
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 04/25/12

Parameter	Result	Qualifier	Units	RL	MDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 17 Batch: WG531483-1					
Aroclor 1016	ND		ug/kg	32.0	6.32
Aroclor 1221	ND		ug/kg	32.0	9.65
Aroclor 1232	ND		ug/kg	32.0	6.80
Aroclor 1242	ND		ug/kg	32.0	6.07
Aroclor 1248	ND		ug/kg	32.0	3.87
Aroclor 1254	ND		ug/kg	32.0	5.04
Aroclor 1260	ND		ug/kg	32.0	5.55

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	83		30-150
Decachlorobiphenyl	78		30-150
2,4,5,6-Tetrachloro-m-xylene	80		30-150
Decachlorobiphenyl	86		30-150

Matrix Spike Analysis

Batch Quality Control

Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1206819

Project Number: 0236-001-101

Report Date: 04/26/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 03-06,08-09,20 QC Batch ID: WG530512-4 WG530512-5 QC Sample: L1206819-06 Client ID: SB-05 (0-4)												
Aroclor 1016	ND	218	145	66		145	68		40-140	0		50
Aroclor 1260	ND	218	157	72		154	73		40-140	2		50

Surrogate	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
2,4,5,6-Tetrachloro-m-xylene	69		66		30-150
Decachlorobiphenyl	75		79		30-150
2,4,5,6-Tetrachloro-m-xylene	65		66		30-150
Decachlorobiphenyl	84		91		30-150

Lab Control Sample Analysis Batch Quality Control

Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1206819

Project Number: 0236-001-101

Report Date: 04/26/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 03-06,08-09,20 Batch: WG530512-2 WG530512-3								
Aroclor 1016	82		80		40-140	2		50
Aroclor 1260	79		77		40-140	3		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	81		78		30-150
Decachlorobiphenyl	78		75		30-150
2,4,5,6-Tetrachloro-m-xylene	78		81		30-150
Decachlorobiphenyl	84		87		30-150

Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 17 Batch: WG531483-2 WG531483-3								
Aroclor 1016	82		88		40-140	7		50
Aroclor 1260	74		82		40-140	10		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	84		88		30-150
Decachlorobiphenyl	81		84		30-150
2,4,5,6-Tetrachloro-m-xylene	80		87		30-150
Decachlorobiphenyl	83		90		30-150

PESTICIDES

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-03

Client ID: SB-03 (5-7)

Sample Location: 285-295 NIAGARA ST.

Matrix: Soil

Analytical Method: 1,8081A

Analytical Date: 04/25/12 10:36

Analyst: BW

Percent Solids: 86%

Date Collected: 04/16/12 10:00

Date Received: 04/19/12

Field Prep: Not Specified

Extraction Method: EPA 3546

Extraction Date: 04/24/12 21:43

Cleanup Method1: EPA 3620B

Cleanup Date1: 04/25/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	1.82	0.357	1
Lindane	ND		ug/kg	0.759	0.339	1
Alpha-BHC	ND		ug/kg	0.759	0.216	1
Beta-BHC	ND		ug/kg	1.82	0.691	1
Heptachlor	0.683	J	ug/kg	0.911	0.408	1
Aldrin	ND		ug/kg	1.82	0.641	1
Heptachlor epoxide	ND		ug/kg	3.42	1.02	1
Endrin	ND		ug/kg	0.759	0.311	1
Endrin ketone	ND		ug/kg	1.82	0.469	1
Dieldrin	ND		ug/kg	1.14	0.569	1
4,4'-DDE	ND		ug/kg	1.82	0.421	1
4,4'-DDD	ND		ug/kg	1.82	0.650	1
4,4'-DDT	ND		ug/kg	3.42	1.46	1
Endosulfan I	ND		ug/kg	1.82	0.430	1
Endosulfan II	ND		ug/kg	1.82	0.609	1
Endosulfan sulfate	ND		ug/kg	0.759	0.347	1
Methoxychlor	ND		ug/kg	3.42	1.06	1
Toxaphene	ND		ug/kg	34.2	9.56	1
trans-Chlordane	ND		ug/kg	2.28	0.601	1
Chlordane	ND		ug/kg	14.8	6.03	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	47		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-03

Client ID: SB-03 (5-7)

Sample Location: 285-295 NIAGARA ST.

Matrix: Soil

Analytical Method: 1,8151A

Analytical Date: 04/26/12 00:33

Analyst: BW

Percent Solids: 86%

Date Collected: 04/16/12 10:00

Date Received: 04/19/12

Field Prep: Not Specified

Extraction Method: EPA 8151A

Extraction Date: 04/20/12 23:24

Methylation Date: 04/25/12 04:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Chlorinated Herbicides by GC - Westborough Lab						
2,4-D	ND		ug/kg	190	76.2	1
2,4,5-T	ND		ug/kg	190	54.2	1
2,4,5-TP (Silvex)	ND		ug/kg	190	65.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	93		30-150	A
DCAA	114		30-150	B

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-04

Client ID: BLIND DUP

Sample Location: 285-295 NIAGARA ST.

Matrix: Soil

Analytical Method: 1,8081A

Analytical Date: 04/25/12 10:48

Analyst: BW

Percent Solids: 85%

Date Collected: 04/16/12 08:00

Date Received: 04/19/12

Field Prep: Not Specified

Extraction Method: EPA 3546

Extraction Date: 04/24/12 21:43

Cleanup Method1: EPA 3620B

Cleanup Date1: 04/25/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	1.87	0.367	1
Lindane	ND		ug/kg	0.780	0.349	1
Alpha-BHC	ND		ug/kg	0.780	0.222	1
Beta-BHC	ND		ug/kg	1.87	0.710	1
Heptachlor	ND		ug/kg	0.936	0.420	1
Aldrin	ND		ug/kg	1.87	0.659	1
Heptachlor epoxide	ND		ug/kg	3.51	1.05	1
Endrin	ND		ug/kg	0.780	0.320	1
Endrin ketone	ND		ug/kg	1.87	0.482	1
Dieldrin	ND		ug/kg	1.17	0.585	1
4,4'-DDE	ND		ug/kg	1.87	0.433	1
4,4'-DDD	ND		ug/kg	1.87	0.668	1
4,4'-DDT	ND		ug/kg	3.51	1.50	1
Endosulfan I	ND		ug/kg	1.87	0.442	1
Endosulfan II	ND		ug/kg	1.87	0.626	1
Endosulfan sulfate	ND		ug/kg	0.780	0.356	1
Methoxychlor	ND		ug/kg	3.51	1.09	1
Toxaphene	ND		ug/kg	35.1	9.83	1
trans-Chlordane	ND		ug/kg	2.34	0.618	1
Chlordane	ND		ug/kg	15.2	6.20	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	43		30-150	A
2,4,5,6-Tetrachloro-m-xylene	52		30-150	B
Decachlorobiphenyl	60		30-150	B

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-04

Client ID: BLIND DUP

Sample Location: 285-295 NIAGARA ST.

Matrix: Soil

Analytical Method: 1,8151A

Analytical Date: 04/26/12 00:53

Analyst: BW

Percent Solids: 85%

Date Collected: 04/16/12 08:00

Date Received: 04/19/12

Field Prep: Not Specified

Extraction Method: EPA 8151A

Extraction Date: 04/20/12 23:24

Methylation Date: 04/25/12 04:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Chlorinated Herbicides by GC - Westborough Lab						
2,4-D	ND		ug/kg	195	78.0	1
2,4,5-T	ND		ug/kg	195	55.5	1
2,4,5-TP (Silvex)	ND		ug/kg	195	67.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	91		30-150	A
DCAA	101		30-150	B

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-05

Client ID: SB-04 (9-11')

Sample Location: 285-295 NIAGARA ST.

Matrix: Soil

Analytical Method: 1,8081A

Analytical Date: 04/25/12 11:01

Analyst: BW

Percent Solids: 85%

Date Collected: 04/16/12 10:30

Date Received: 04/19/12

Field Prep: Not Specified

Extraction Method: EPA 3546

Extraction Date: 04/24/12 21:43

Cleanup Method1: EPA 3620B

Cleanup Date1: 04/25/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	1.86	0.364	1
Lindane	ND		ug/kg	0.776	0.347	1
Alpha-BHC	ND		ug/kg	0.776	0.220	1
Beta-BHC	ND		ug/kg	1.86	0.706	1
Heptachlor	0.698	J	ug/kg	0.931	0.417	1
Aldrin	ND		ug/kg	1.86	0.655	1
Heptachlor epoxide	ND		ug/kg	3.49	1.05	1
Endrin	ND		ug/kg	0.776	0.318	1
Endrin ketone	ND		ug/kg	1.86	0.479	1
Dieldrin	ND		ug/kg	1.16	0.582	1
4,4'-DDE	ND		ug/kg	1.86	0.430	1
4,4'-DDD	ND		ug/kg	1.86	0.664	1
4,4'-DDT	ND		ug/kg	3.49	1.50	1
Endosulfan I	ND		ug/kg	1.86	0.440	1
Endosulfan II	ND		ug/kg	1.86	0.622	1
Endosulfan sulfate	ND		ug/kg	0.776	0.354	1
Methoxychlor	ND		ug/kg	3.49	1.08	1
Toxaphene	ND		ug/kg	34.9	9.77	1
trans-Chlordane	ND		ug/kg	2.33	0.614	1
Chlordane	ND		ug/kg	15.1	6.16	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	43		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-05

Date Collected: 04/16/12 10:30

Client ID: SB-04 (9-11')

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Matrix: Soil

Extraction Method: EPA 8151A

Analytical Method: 1,8151A

Extraction Date: 04/20/12 23:24

Analytical Date: 04/26/12 01:13

Methylation Date: 04/25/12 04:16

Analyst: BW

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Chlorinated Herbicides by GC - Westborough Lab						
2,4-D	ND		ug/kg	191	76.6	1
2,4,5-T	ND		ug/kg	191	54.5	1
2,4,5-TP (Silvex)	ND		ug/kg	191	66.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	97		30-150	A
DCAA	111		30-150	B

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-06

Client ID: SB-05 (0-4)

Sample Location: 285-295 NIAGARA ST.

Matrix: Soil

Analytical Method: 1,8151A

Analytical Date: 04/26/12 01:33

Analyst: BW

Percent Solids: 93%

Date Collected: 04/16/12 11:29

Date Received: 04/19/12

Field Prep: Not Specified

Extraction Method: EPA 8151A

Extraction Date: 04/20/12 23:24

Methylation Date: 04/25/12 04:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Chlorinated Herbicides by GC - Westborough Lab						
2,4-D	ND		ug/kg	174	69.8	1
2,4,5-T	ND		ug/kg	174	49.7	1
2,4,5-TP (Silvex)	ND		ug/kg	174	60.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	74		30-150	A
DCAA	87		30-150	B

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-06 D
Client ID: SB-05 (0-4)
Sample Location: 285-295 NIAGARA ST.
Matrix: Soil
Analytical Method: 1,8081A
Analytical Date: 04/25/12 11:14
Analyst: BW
Percent Solids: 93%

Date Collected: 04/16/12 11:29
Date Received: 04/19/12
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/24/12 21:43
Cleanup Method1: EPA 3620B
Cleanup Date1: 04/25/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	83.4	16.3	50
Lindane	ND		ug/kg	34.7	15.5	50
Alpha-BHC	ND		ug/kg	34.7	9.86	50
Beta-BHC	ND		ug/kg	83.4	31.6	50
Heptachlor	ND		ug/kg	41.7	18.7	50
Aldrin	ND		ug/kg	83.4	29.3	50
Heptachlor epoxide	ND		ug/kg	156	46.9	50
Endrin	ND		ug/kg	34.7	14.2	50
Endrin ketone	ND		ug/kg	83.4	21.5	50
Dieldrin	ND		ug/kg	52.1	26.0	50
4,4'-DDE	ND		ug/kg	83.4	19.3	50
4,4'-DDD	ND		ug/kg	83.4	29.7	50
4,4'-DDT	ND		ug/kg	156	67.0	50
Endosulfan I	ND		ug/kg	83.4	19.7	50
Endosulfan II	ND		ug/kg	83.4	27.8	50
Endosulfan sulfate	ND		ug/kg	34.7	15.9	50
Methoxychlor	ND		ug/kg	156	48.6	50
Toxaphene	ND		ug/kg	1560	438.	50
trans-Chlordane	ND		ug/kg	104	27.5	50
Chlordane	ND		ug/kg	677	276.	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150	A
Decachlorobiphenyl	0	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150	B
Decachlorobiphenyl	0	Q	30-150	B

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-08

Client ID: SB-06 (7-9')

Sample Location: 285-295 NIAGARA ST.

Matrix: Soil

Analytical Method: 1,8081A

Analytical Date: 04/25/12 11:27

Analyst: BW

Percent Solids: 85%

Date Collected: 04/16/12 12:00

Date Received: 04/19/12

Field Prep: Not Specified

Extraction Method: EPA 3546

Extraction Date: 04/24/12 21:43

Cleanup Method1: EPA 3620B

Cleanup Date1: 04/25/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	1.86	0.364	1
Lindane	ND		ug/kg	0.774	0.346	1
Alpha-BHC	ND		ug/kg	0.774	0.220	1
Beta-BHC	ND		ug/kg	1.86	0.705	1
Heptachlor	ND		ug/kg	0.929	0.417	1
Aldrin	ND		ug/kg	1.86	0.654	1
Heptachlor epoxide	ND		ug/kg	3.48	1.04	1
Endrin	ND		ug/kg	0.774	0.318	1
Endrin ketone	ND		ug/kg	1.86	0.479	1
Dieldrin	ND		ug/kg	1.16	0.581	1
4,4'-DDE	ND		ug/kg	1.86	0.430	1
4,4'-DDD	ND		ug/kg	1.86	0.663	1
4,4'-DDT	ND		ug/kg	3.48	1.49	1
Endosulfan I	ND		ug/kg	1.86	0.439	1
Endosulfan II	ND		ug/kg	1.86	0.621	1
Endosulfan sulfate	ND		ug/kg	0.774	0.354	1
Methoxychlor	ND		ug/kg	3.48	1.08	1
Toxaphene	ND		ug/kg	34.8	9.76	1
trans-Chlordane	ND		ug/kg	2.32	0.613	1
Chlordane	ND		ug/kg	15.1	6.16	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-08

Client ID: SB-06 (7-9')

Sample Location: 285-295 NIAGARA ST.

Matrix: Soil

Analytical Method: 1,8151A

Analytical Date: 04/26/12 01:53

Analyst: BW

Percent Solids: 85%

Date Collected: 04/16/12 12:00

Date Received: 04/19/12

Field Prep: Not Specified

Extraction Method: EPA 8151A

Extraction Date: 04/20/12 23:24

Methylation Date: 04/25/12 04:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Chlorinated Herbicides by GC - Westborough Lab						
2,4-D	ND		ug/kg	194	77.6	1
2,4,5-T	ND		ug/kg	194	55.2	1
2,4,5-TP (Silvex)	ND		ug/kg	194	66.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	95		30-150	A
DCAA	108		30-150	B

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-09

Client ID: SB-07 (5-7)

Sample Location: 285-295 NIAGARA ST.

Matrix: Soil

Analytical Method: 1,8081A

Analytical Date: 04/25/12 11:39

Analyst: BW

Percent Solids: 83%

Date Collected: 04/16/12 13:30

Date Received: 04/19/12

Field Prep: Not Specified

Extraction Method: EPA 3546

Extraction Date: 04/24/12 21:43

Cleanup Method1: EPA 3620B

Cleanup Date1: 04/25/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	1.89	0.370	1
Lindane	ND		ug/kg	0.788	0.352	1
Alpha-BHC	ND		ug/kg	0.788	0.224	1
Beta-BHC	ND		ug/kg	1.89	0.718	1
Heptachlor	ND		ug/kg	0.946	0.424	1
Aldrin	ND		ug/kg	1.89	0.666	1
Heptachlor epoxide	ND		ug/kg	3.55	1.06	1
Endrin	ND		ug/kg	0.788	0.323	1
Endrin ketone	ND		ug/kg	1.89	0.487	1
Dieldrin	ND		ug/kg	1.18	0.591	1
4,4'-DDE	ND		ug/kg	1.89	0.438	1
4,4'-DDD	ND		ug/kg	1.89	0.675	1
4,4'-DDT	ND		ug/kg	3.55	1.52	1
Endosulfan I	ND		ug/kg	1.89	0.447	1
Endosulfan II	ND		ug/kg	1.89	0.632	1
Endosulfan sulfate	ND		ug/kg	0.788	0.360	1
Methoxychlor	ND		ug/kg	3.55	1.10	1
Toxaphene	ND		ug/kg	35.5	9.94	1
trans-Chlordane	ND		ug/kg	2.36	0.624	1
Chlordane	ND		ug/kg	15.4	6.27	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-09

Client ID: SB-07 (5-7)

Sample Location: 285-295 NIAGARA ST.

Matrix: Soil

Analytical Method: 1,8151A

Analytical Date: 04/26/12 02:13

Analyst: BW

Percent Solids: 83%

Date Collected: 04/16/12 13:30

Date Received: 04/19/12

Field Prep: Not Specified

Extraction Method: EPA 8151A

Extraction Date: 04/20/12 23:24

Methylation Date: 04/25/12 04:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Chlorinated Herbicides by GC - Westborough Lab						
2,4-D	ND		ug/kg	194	77.8	1
2,4,5-T	ND		ug/kg	194	55.4	1
2,4,5-TP (Silvex)	ND		ug/kg	194	67.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	86		30-150	A
DCAA	96		30-150	B

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-17

Client ID: SB-15 (0-2)

Sample Location: 285-295 NIAGARA ST.

Matrix: Soil

Analytical Method: 1,8081A

Analytical Date: 04/25/12 11:52

Analyst: BW

Percent Solids: 83%

Date Collected: 04/17/12 13:30

Date Received: 04/19/12

Field Prep: Not Specified

Extraction Method: EPA 3546

Extraction Date: 04/24/12 21:43

Cleanup Method1: EPA 3620B

Cleanup Date1: 04/25/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	1.87	0.367	1
Lindane	ND		ug/kg	0.781	0.349	1
Alpha-BHC	ND		ug/kg	0.781	0.222	1
Beta-BHC	ND		ug/kg	1.87	0.710	1
Heptachlor	ND		ug/kg	0.937	0.420	1
Aldrin	ND		ug/kg	1.87	0.660	1
Heptachlor epoxide	ND		ug/kg	3.51	1.05	1
Endrin	ND		ug/kg	0.781	0.320	1
Endrin ketone	ND		ug/kg	1.87	0.482	1
Dieldrin	ND		ug/kg	1.17	0.586	1
4,4'-DDE	ND		ug/kg	1.87	0.433	1
4,4'-DDD	ND		ug/kg	1.87	0.668	1
4,4'-DDT	ND		ug/kg	3.51	1.51	1
Endosulfan I	ND		ug/kg	1.87	0.443	1
Endosulfan II	ND		ug/kg	1.87	0.626	1
Endosulfan sulfate	ND		ug/kg	0.781	0.357	1
Methoxychlor	ND		ug/kg	3.51	1.09	1
Toxaphene	ND		ug/kg	35.1	9.84	1
trans-Chlordane	ND		ug/kg	2.34	0.618	1
Chlordane	ND		ug/kg	15.2	6.21	1

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

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-17

Client ID: SB-15 (0-2)

Sample Location: 285-295 NIAGARA ST.

Matrix: Soil

Analytical Method: 1,8151A

Analytical Date: 04/26/12 02:33

Analyst: BW

Percent Solids: 83%

Date Collected: 04/17/12 13:30

Date Received: 04/19/12

Field Prep: Not Specified

Extraction Method: EPA 8151A

Extraction Date: 04/20/12 23:24

Methylation Date: 04/25/12 04:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Chlorinated Herbicides by GC - Westborough Lab						
2,4-D	ND		ug/kg	200	80.1	1
2,4,5-T	ND		ug/kg	200	57.0	1
2,4,5-TP (Silvex)	ND		ug/kg	200	69.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	92		30-150	A
DCAA	104		30-150	B

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-20

Client ID: SB-17 (0-2)

Sample Location: 285-295 NIAGARA ST.

Matrix: Soil

Analytical Method: 1,8081A

Analytical Date: 04/25/12 12:05

Analyst: BW

Percent Solids: 84%

Date Collected: 04/17/12 17:00

Date Received: 04/19/12

Field Prep: Not Specified

Extraction Method: EPA 3546

Extraction Date: 04/24/12 21:43

Cleanup Method1: EPA 3620B

Cleanup Date1: 04/25/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	1.85	0.362	1
Lindane	ND		ug/kg	0.771	0.345	1
Alpha-BHC	ND		ug/kg	0.771	0.219	1
Beta-BHC	ND		ug/kg	1.85	0.702	1
Heptachlor	ND		ug/kg	0.925	0.415	1
Aldrin	ND		ug/kg	1.85	0.652	1
Heptachlor epoxide	ND		ug/kg	3.47	1.04	1
Endrin	ND		ug/kg	0.771	0.316	1
Endrin ketone	ND		ug/kg	1.85	0.476	1
Dieldrin	ND		ug/kg	1.16	0.578	1
4,4'-DDE	ND		ug/kg	1.85	0.428	1
4,4'-DDD	ND		ug/kg	1.85	0.660	1
4,4'-DDT	ND		ug/kg	3.47	1.49	1
Endosulfan I	ND		ug/kg	1.85	0.437	1
Endosulfan II	ND		ug/kg	1.85	0.618	1
Endosulfan sulfate	ND		ug/kg	0.771	0.352	1
Methoxychlor	ND		ug/kg	3.47	1.08	1
Toxaphene	ND		ug/kg	34.7	9.72	1
trans-Chlordane	ND		ug/kg	2.31	0.611	1
Chlordane	ND		ug/kg	15.0	6.13	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS**

Lab ID: L1206819-20

Client ID: SB-17 (0-2)

Sample Location: 285-295 NIAGARA ST.

Matrix: Soil

Analytical Method: 1,8151A

Analytical Date: 04/26/12 02:53

Analyst: BW

Percent Solids: 84%

Date Collected: 04/17/12 17:00

Date Received: 04/19/12

Field Prep: Not Specified

Extraction Method: EPA 8151A

Extraction Date: 04/20/12 23:24

Methylation Date: 04/25/12 04:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Chlorinated Herbicides by GC - Westborough Lab						
2,4-D	ND		ug/kg	193	77.1	1
2,4,5-T	ND		ug/kg	193	54.9	1
2,4,5-TP (Silvex)	ND		ug/kg	193	66.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	98		30-150	A
DCAA	111		30-150	B

Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1206819

Project Number: 0236-001-101

Report Date: 04/26/12

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8151A
 Analytical Date: 04/24/12 14:39
 Analyst: BW

Extraction Method: EPA 8151A
 Extraction Date: 04/20/12 23:24

Methylation Date: 04/24/12 13:54

Parameter	Result	Qualifier	Units	RL	MDL
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 03-06,08-09,17,20 Batch: WG530707-1					
2,4-D	ND		ug/kg	166	66.4
2,4,5-T	ND		ug/kg	166	47.2
2,4,5-TP (Silvex)	ND		ug/kg	166	57.2

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	87		30-150	A
DCAA	104		30-150	B

Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1206819

Project Number: 0236-001-101

Report Date: 04/26/12

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081A
 Analytical Date: 04/25/12 12:18
 Analyst: BW

Extraction Method: EPA 3546
 Extraction Date: 04/24/12 21:43
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 04/25/12

Parameter	Result	Qualifier	Units	RL	MDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 03-06,08-09,17,20 Batch: WG531361-1					
Delta-BHC	ND		ug/kg	1.60	0.312
Lindane	ND		ug/kg	0.665	0.297
Alpha-BHC	ND		ug/kg	0.665	0.189
Beta-BHC	ND		ug/kg	1.60	0.605
Heptachlor	ND		ug/kg	0.798	0.358
Aldrin	ND		ug/kg	1.60	0.562
Heptachlor epoxide	ND		ug/kg	2.99	0.898
Endrin	ND		ug/kg	0.665	0.273
Endrin ketone	ND		ug/kg	1.60	0.411
Dieldrin	ND		ug/kg	0.997	0.499
4,4'-DDE	ND		ug/kg	1.60	0.369
4,4'-DDD	ND		ug/kg	1.60	0.569
4,4'-DDT	ND		ug/kg	2.99	1.28
Endosulfan I	ND		ug/kg	1.60	0.377
Endosulfan II	ND		ug/kg	1.60	0.533
Endosulfan sulfate	ND		ug/kg	0.665	0.304
Methoxychlor	ND		ug/kg	2.99	0.931
Toxaphene	ND		ug/kg	29.9	8.38
trans-Chlordane	ND		ug/kg	1.99	0.526
Chlordane	ND		ug/kg	13.0	5.28

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	79		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285-295 NIAGARA ST SITE

Project Number: 0236-001-101

Lab Number: L1206819

Report Date: 04/26/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 03-06,08-09,17,20 Batch: WG530707-2 WG530707-3								
Dicamba	82		81		30-150	1		30
2,4-D	98		99		30-150	1		30
2,4,5-T	84		83		30-150	1		30
2,4,5-TP (Silvex)	78		77		30-150	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	86		81		30-150	A
DCAA	94		89		30-150	B

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03-06,08-09,17,20 Batch: WG531361-2 WG531361-3								
Delta-BHC	83		67		30-150	21		30
Lindane	83		68		30-150	20		30
Alpha-BHC	83		68		30-150	20		30
Beta-BHC	86		66		30-150	26		30
Heptachlor	85		70		30-150	19		30
Aldrin	84		69		30-150	20		30
Heptachlor epoxide	79		65		30-150	19		30
Endrin	87		72		30-150	19		30
Endrin ketone	68		57		30-150	18		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285-295 NIAGARA ST SITE

Project Number: 0236-001-101

Lab Number: L1206819

Report Date: 04/26/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03-06,08-09,17,20 Batch: WG531361-2 WG531361-3								
Dieldrin	81		67		30-150	19		30
4,4'-DDE	81		67		30-150	19		30
4,4'-DDD	80		65		30-150	21		30
4,4'-DDT	78		64		30-150	20		30
Endosulfan I	83		68		30-150	20		30
Endosulfan II	80		65		30-150	21		30
Endosulfan sulfate	98		80		30-150	20		30
Methoxychlor	72		60		30-150	18		30
trans-Chlordane	80		67		30-150	18		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		67		30-150	A
Decachlorobiphenyl	55		42		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		57		30-150	B
Decachlorobiphenyl	81		70		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: 285-295 NIAGARA ST SITE

Project Number: 0236-001-101

Lab Number: L1206819

Report Date: 04/26/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 03-06,08-09,17,20 QC Batch ID: WG530707-4 WG530707-5 QC Sample: L1206819-06 Client ID: SB-05 (0-4)												
2,4-D	ND	349	352	101		369	104		30-150	5		30
2,4,5-T	ND	349	311	89		326	92		30-150	5		30
2,4,5-TP (Silvex)	ND	349	295	84		303	86		30-150	3		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
DCAA	90		97		30-150	A
DCAA	119		164	Q	30-150	B

METALS

Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1206819

Project Number: 0236-001-101

Report Date: 04/26/12

SAMPLE RESULTS

Lab ID: L1206819-03

Date Collected: 04/16/12 10:00

Client ID: SB-03 (5-7)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

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	6500		mg/kg	8.8	2.0	2	04/23/12 12:20	04/24/12 10:23	EPA 3050B	1,6010B	MG
Antimony, Total	1.1	J	mg/kg	4.4	0.84	2	04/23/12 12:20	04/24/12 10:23	EPA 3050B	1,6010B	MG
Arsenic, Total	2.4		mg/kg	0.88	0.30	2	04/23/12 12:20	04/24/12 10:23	EPA 3050B	1,6010B	MG
Barium, Total	52		mg/kg	0.88	0.07	2	04/23/12 12:20	04/24/12 10:23	EPA 3050B	1,6010B	MG
Beryllium, Total	0.29	J	mg/kg	0.44	0.03	2	04/23/12 12:20	04/24/12 10:23	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.88	0.06	2	04/23/12 12:20	04/24/12 10:23	EPA 3050B	1,6010B	MG
Calcium, Total	70000		mg/kg	440	96.	100	04/23/12 12:20	04/24/12 13:22	EPA 3050B	1,6010B	MG
Chromium, Total	8.8		mg/kg	0.88	0.18	2	04/23/12 12:20	04/24/12 10:23	EPA 3050B	1,6010B	MG
Cobalt, Total	3.8		mg/kg	1.8	0.19	2	04/23/12 12:20	04/24/12 10:23	EPA 3050B	1,6010B	MG
Copper, Total	11		mg/kg	0.88	0.41	2	04/23/12 12:20	04/24/12 10:23	EPA 3050B	1,6010B	MG
Iron, Total	11000		mg/kg	4.4	1.5	2	04/23/12 12:20	04/24/12 10:23	EPA 3050B	1,6010B	MG
Lead, Total	9.4		mg/kg	4.4	0.25	2	04/23/12 12:20	04/24/12 10:23	EPA 3050B	1,6010B	MG
Magnesium, Total	27000		mg/kg	8.8	4.0	2	04/23/12 12:20	04/24/12 10:23	EPA 3050B	1,6010B	MG
Manganese, Total	360		mg/kg	0.88	0.09	2	04/23/12 12:20	04/24/12 10:23	EPA 3050B	1,6010B	MG
Mercury, Total	0.02	J	mg/kg	0.08	0.02	1	04/23/12 12:45	04/23/12 14:58	EPA 7471A	1,7471A	KL
Nickel, Total	8.7		mg/kg	2.2	0.24	2	04/23/12 12:20	04/24/12 10:23	EPA 3050B	1,6010B	MG
Potassium, Total	1700		mg/kg	220	70.	2	04/23/12 12:20	04/24/12 10:23	EPA 3050B	1,6010B	MG
Selenium, Total	0.58	J	mg/kg	1.8	0.29	2	04/23/12 12:20	04/24/12 10:23	EPA 3050B	1,6010B	MG
Silver, Total	ND		mg/kg	0.88	0.14	2	04/23/12 12:20	04/24/12 10:23	EPA 3050B	1,6010B	MG
Sodium, Total	440		mg/kg	180	70.	2	04/23/12 12:20	04/24/12 10:23	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	1.8	0.55	2	04/23/12 12:20	04/24/12 10:23	EPA 3050B	1,6010B	MG
Vanadium, Total	15		mg/kg	0.88	0.20	2	04/23/12 12:20	04/24/12 10:23	EPA 3050B	1,6010B	MG
Zinc, Total	58		mg/kg	4.4	0.48	2	04/23/12 12:20	04/24/12 10:23	EPA 3050B	1,6010B	MG



Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1206819

Project Number: 0236-001-101

Report Date: 04/26/12

SAMPLE RESULTS

Lab ID: L1206819-04

Date Collected: 04/16/12 08:00

Client ID: BLIND DUP

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

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	6400		mg/kg	8.8	2.0	2	04/23/12 12:20	04/24/12 11:50	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	4.4	0.85	2	04/23/12 12:20	04/24/12 11:50	EPA 3050B	1,6010B	MG
Arsenic, Total	2.6		mg/kg	0.88	0.30	2	04/23/12 12:20	04/24/12 11:50	EPA 3050B	1,6010B	MG
Barium, Total	45		mg/kg	0.88	0.07	2	04/23/12 12:20	04/24/12 11:50	EPA 3050B	1,6010B	MG
Beryllium, Total	0.30	J	mg/kg	0.44	0.03	2	04/23/12 12:20	04/24/12 11:50	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.88	0.06	2	04/23/12 12:20	04/24/12 11:50	EPA 3050B	1,6010B	MG
Calcium, Total	73000		mg/kg	440	96.	100	04/23/12 12:20	04/24/12 13:25	EPA 3050B	1,6010B	MG
Chromium, Total	9.0		mg/kg	0.88	0.18	2	04/23/12 12:20	04/24/12 11:50	EPA 3050B	1,6010B	MG
Cobalt, Total	4.1		mg/kg	1.8	0.19	2	04/23/12 12:20	04/24/12 11:50	EPA 3050B	1,6010B	MG
Copper, Total	11		mg/kg	0.88	0.41	2	04/23/12 12:20	04/24/12 11:50	EPA 3050B	1,6010B	MG
Iron, Total	11000		mg/kg	4.4	1.5	2	04/23/12 12:20	04/24/12 11:50	EPA 3050B	1,6010B	MG
Lead, Total	10		mg/kg	4.4	0.25	2	04/23/12 12:20	04/24/12 11:50	EPA 3050B	1,6010B	MG
Magnesium, Total	25000		mg/kg	8.8	4.0	2	04/23/12 12:20	04/24/12 11:50	EPA 3050B	1,6010B	MG
Manganese, Total	360		mg/kg	0.88	0.09	2	04/23/12 12:20	04/24/12 11:50	EPA 3050B	1,6010B	MG
Mercury, Total	0.02	J	mg/kg	0.08	0.02	1	04/23/12 12:45	04/23/12 15:00	EPA 7471A	1,7471A	KL
Nickel, Total	9.0		mg/kg	2.2	0.25	2	04/23/12 12:20	04/24/12 11:50	EPA 3050B	1,6010B	MG
Potassium, Total	1500		mg/kg	220	71.	2	04/23/12 12:20	04/24/12 11:50	EPA 3050B	1,6010B	MG
Selenium, Total	0.40	J	mg/kg	1.8	0.29	2	04/23/12 12:20	04/24/12 11:50	EPA 3050B	1,6010B	MG
Silver, Total	ND		mg/kg	0.88	0.14	2	04/23/12 12:20	04/24/12 11:50	EPA 3050B	1,6010B	MG
Sodium, Total	500		mg/kg	180	70.	2	04/23/12 12:20	04/24/12 11:50	EPA 3050B	1,6010B	MG
Thallium, Total	0.57	J	mg/kg	1.8	0.55	2	04/23/12 12:20	04/24/12 11:50	EPA 3050B	1,6010B	MG
Vanadium, Total	16		mg/kg	0.88	0.20	2	04/23/12 12:20	04/24/12 11:50	EPA 3050B	1,6010B	MG
Zinc, Total	61		mg/kg	4.4	0.48	2	04/23/12 12:20	04/24/12 11:50	EPA 3050B	1,6010B	MG



Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1206819

Project Number: 0236-001-101

Report Date: 04/26/12

SAMPLE RESULTS

Lab ID: L1206819-05

Date Collected: 04/16/12 10:30

Client ID: SB-04 (9-11')

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

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	6100		mg/kg	9.0	2.0	2	04/23/12 12:20	04/24/12 11:53	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	4.5	0.86	2	04/23/12 12:20	04/24/12 11:53	EPA 3050B	1,6010B	MG
Arsenic, Total	2.1		mg/kg	0.90	0.31	2	04/23/12 12:20	04/24/12 11:53	EPA 3050B	1,6010B	MG
Barium, Total	46		mg/kg	0.90	0.08	2	04/23/12 12:20	04/24/12 11:53	EPA 3050B	1,6010B	MG
Beryllium, Total	0.28	J	mg/kg	0.45	0.03	2	04/23/12 12:20	04/24/12 11:53	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.90	0.06	2	04/23/12 12:20	04/24/12 11:53	EPA 3050B	1,6010B	MG
Calcium, Total	65000		mg/kg	450	98.	100	04/23/12 12:20	04/24/12 13:27	EPA 3050B	1,6010B	MG
Chromium, Total	8.4		mg/kg	0.90	0.18	2	04/23/12 12:20	04/24/12 11:53	EPA 3050B	1,6010B	MG
Cobalt, Total	4.0		mg/kg	1.8	0.19	2	04/23/12 12:20	04/24/12 11:53	EPA 3050B	1,6010B	MG
Copper, Total	10		mg/kg	0.90	0.42	2	04/23/12 12:20	04/24/12 11:53	EPA 3050B	1,6010B	MG
Iron, Total	11000		mg/kg	4.5	1.6	2	04/23/12 12:20	04/24/12 11:53	EPA 3050B	1,6010B	MG
Lead, Total	11		mg/kg	4.5	0.25	2	04/23/12 12:20	04/24/12 11:53	EPA 3050B	1,6010B	MG
Magnesium, Total	26000		mg/kg	9.0	4.0	2	04/23/12 12:20	04/24/12 11:53	EPA 3050B	1,6010B	MG
Manganese, Total	350		mg/kg	0.90	0.09	2	04/23/12 12:20	04/24/12 11:53	EPA 3050B	1,6010B	MG
Mercury, Total	0.02	J	mg/kg	0.09	0.02	1	04/23/12 12:45	04/23/12 15:01	EPA 7471A	1,7471A	KL
Nickel, Total	8.6		mg/kg	2.2	0.25	2	04/23/12 12:20	04/24/12 11:53	EPA 3050B	1,6010B	MG
Potassium, Total	1600		mg/kg	220	72.	2	04/23/12 12:20	04/24/12 11:53	EPA 3050B	1,6010B	MG
Selenium, Total	0.52	J	mg/kg	1.8	0.30	2	04/23/12 12:20	04/24/12 11:53	EPA 3050B	1,6010B	MG
Silver, Total	ND		mg/kg	0.90	0.15	2	04/23/12 12:20	04/24/12 11:53	EPA 3050B	1,6010B	MG
Sodium, Total	430		mg/kg	180	72.	2	04/23/12 12:20	04/24/12 11:53	EPA 3050B	1,6010B	MG
Thallium, Total	0.56	J	mg/kg	1.8	0.56	2	04/23/12 12:20	04/24/12 11:53	EPA 3050B	1,6010B	MG
Vanadium, Total	15		mg/kg	0.90	0.20	2	04/23/12 12:20	04/24/12 11:53	EPA 3050B	1,6010B	MG
Zinc, Total	63		mg/kg	4.5	0.49	2	04/23/12 12:20	04/24/12 11:53	EPA 3050B	1,6010B	MG



Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1206819

Project Number: 0236-001-101

Report Date: 04/26/12

SAMPLE RESULTS

Lab ID: L1206819-06

Date Collected: 04/16/12 11:29

Client ID: SB-05 (0-4)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 93%

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	8.1	1.8	2	04/23/12 12:20	04/24/12 11:55	EPA 3050B	1,6010B	MG
Antimony, Total	0.81	J	mg/kg	4.0	0.78	2	04/23/12 12:20	04/24/12 11:55	EPA 3050B	1,6010B	MG
Arsenic, Total	4.3		mg/kg	0.81	0.28	2	04/23/12 12:20	04/24/12 11:55	EPA 3050B	1,6010B	MG
Barium, Total	65		mg/kg	0.81	0.07	2	04/23/12 12:20	04/24/12 11:55	EPA 3050B	1,6010B	MG
Beryllium, Total	0.60		mg/kg	0.40	0.03	2	04/23/12 12:20	04/24/12 11:55	EPA 3050B	1,6010B	MG
Cadmium, Total	0.26	J	mg/kg	0.81	0.05	2	04/23/12 12:20	04/24/12 11:55	EPA 3050B	1,6010B	MG
Calcium, Total	150000		mg/kg	400	88.	100	04/23/12 12:20	04/24/12 13:47	EPA 3050B	1,6010B	MG
Chromium, Total	11		mg/kg	0.81	0.16	2	04/23/12 12:20	04/24/12 11:55	EPA 3050B	1,6010B	MG
Cobalt, Total	3.1		mg/kg	1.6	0.17	2	04/23/12 12:20	04/24/12 11:55	EPA 3050B	1,6010B	MG
Copper, Total	14		mg/kg	0.81	0.38	2	04/23/12 12:20	04/24/12 11:55	EPA 3050B	1,6010B	MG
Iron, Total	8500		mg/kg	4.0	1.4	2	04/23/12 12:20	04/24/12 11:55	EPA 3050B	1,6010B	MG
Lead, Total	56		mg/kg	4.0	0.23	2	04/23/12 12:20	04/24/12 11:55	EPA 3050B	1,6010B	MG
Magnesium, Total	27000		mg/kg	8.1	3.6	2	04/23/12 12:20	04/24/12 11:55	EPA 3050B	1,6010B	MG
Manganese, Total	520		mg/kg	0.81	0.08	2	04/23/12 12:20	04/24/12 11:55	EPA 3050B	1,6010B	MG
Mercury, Total	0.04	J	mg/kg	0.08	0.02	1	04/23/12 12:45	04/23/12 15:03	EPA 7471A	1,7471A	KL
Nickel, Total	10		mg/kg	2.0	0.23	2	04/23/12 12:20	04/24/12 11:55	EPA 3050B	1,6010B	MG
Potassium, Total	1300		mg/kg	200	65.	2	04/23/12 12:20	04/24/12 11:55	EPA 3050B	1,6010B	MG
Selenium, Total	0.68	J	mg/kg	1.6	0.26	2	04/23/12 12:20	04/24/12 11:55	EPA 3050B	1,6010B	MG
Silver, Total	0.14	J	mg/kg	0.81	0.13	2	04/23/12 12:20	04/24/12 11:55	EPA 3050B	1,6010B	MG
Sodium, Total	470		mg/kg	160	64.	2	04/23/12 12:20	04/24/12 11:55	EPA 3050B	1,6010B	MG
Thallium, Total	0.60	J	mg/kg	1.6	0.50	2	04/23/12 12:20	04/24/12 11:55	EPA 3050B	1,6010B	MG
Vanadium, Total	13		mg/kg	0.81	0.18	2	04/23/12 12:20	04/24/12 11:55	EPA 3050B	1,6010B	MG
Zinc, Total	100		mg/kg	4.0	0.44	2	04/23/12 12:20	04/24/12 11:55	EPA 3050B	1,6010B	MG



Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1206819

Project Number: 0236-001-101

Report Date: 04/26/12

SAMPLE RESULTS

Lab ID: L1206819-08

Date Collected: 04/16/12 12:00

Client ID: SB-06 (7-9')

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

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	5300		mg/kg	8.8	2.0	2	04/23/12 12:20	04/24/12 13:12	EPA 3050B	1,6010B	MG
Antimony, Total	1.4	J	mg/kg	4.4	0.85	2	04/23/12 12:20	04/24/12 13:12	EPA 3050B	1,6010B	MG
Arsenic, Total	2.1		mg/kg	0.88	0.30	2	04/23/12 12:20	04/24/12 13:12	EPA 3050B	1,6010B	MG
Barium, Total	35		mg/kg	0.88	0.07	2	04/23/12 12:20	04/24/12 13:12	EPA 3050B	1,6010B	MG
Beryllium, Total	0.25	J	mg/kg	0.44	0.03	2	04/23/12 12:20	04/24/12 13:12	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.88	0.06	2	04/23/12 12:20	04/24/12 13:12	EPA 3050B	1,6010B	MG
Calcium, Total	62000		mg/kg	440	96.	100	04/23/12 12:20	04/24/12 13:30	EPA 3050B	1,6010B	MG
Chromium, Total	7.4		mg/kg	0.88	0.18	2	04/23/12 12:20	04/24/12 13:12	EPA 3050B	1,6010B	MG
Cobalt, Total	3.7		mg/kg	1.8	0.19	2	04/23/12 12:20	04/24/12 13:12	EPA 3050B	1,6010B	MG
Copper, Total	9.1		mg/kg	0.88	0.41	2	04/23/12 12:20	04/24/12 13:12	EPA 3050B	1,6010B	MG
Iron, Total	9600		mg/kg	4.4	1.5	2	04/23/12 12:20	04/24/12 13:12	EPA 3050B	1,6010B	MG
Lead, Total	9.8		mg/kg	4.4	0.25	2	04/23/12 12:20	04/24/12 13:12	EPA 3050B	1,6010B	MG
Magnesium, Total	25000		mg/kg	8.8	4.0	2	04/23/12 12:20	04/24/12 13:12	EPA 3050B	1,6010B	MG
Manganese, Total	330		mg/kg	0.88	0.09	2	04/23/12 12:20	04/24/12 13:12	EPA 3050B	1,6010B	MG
Mercury, Total	0.02	J	mg/kg	0.09	0.02	1	04/23/12 12:45	04/23/12 15:08	EPA 7471A	1,7471A	KL
Nickel, Total	7.4		mg/kg	2.2	0.25	2	04/23/12 12:20	04/24/12 13:12	EPA 3050B	1,6010B	MG
Potassium, Total	1500		mg/kg	220	71.	2	04/23/12 12:20	04/24/12 13:12	EPA 3050B	1,6010B	MG
Selenium, Total	ND		mg/kg	1.8	0.29	2	04/23/12 12:20	04/24/12 13:12	EPA 3050B	1,6010B	MG
Silver, Total	ND		mg/kg	0.88	0.14	2	04/23/12 12:20	04/24/12 13:12	EPA 3050B	1,6010B	MG
Sodium, Total	140	J	mg/kg	180	70.	2	04/23/12 12:20	04/24/12 13:12	EPA 3050B	1,6010B	MG
Thallium, Total	0.56	J	mg/kg	1.8	0.55	2	04/23/12 12:20	04/24/12 13:12	EPA 3050B	1,6010B	MG
Vanadium, Total	14		mg/kg	0.88	0.20	2	04/23/12 12:20	04/24/12 13:12	EPA 3050B	1,6010B	MG
Zinc, Total	53		mg/kg	4.4	0.48	2	04/23/12 12:20	04/24/12 13:12	EPA 3050B	1,6010B	MG



Project Name: 285-295 NIAGARA ST SITE
Project Number: 0236-001-101

Lab Number: L1206819
Report Date: 04/26/12

SAMPLE RESULTS

Lab ID: L1206819-09
Client ID: SB-07 (5-7)
Sample Location: 285-295 NIAGARA ST.
Matrix: Soil
Percent Solids: 83%

Date Collected: 04/16/12 13:30
Date Received: 04/19/12
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	5800		mg/kg	9.3	2.1	2	04/23/12 12:20	04/24/12 13:15	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	4.6	0.88	2	04/23/12 12:20	04/24/12 13:15	EPA 3050B	1,6010B	MG
Arsenic, Total	2.2		mg/kg	0.93	0.32	2	04/23/12 12:20	04/24/12 13:15	EPA 3050B	1,6010B	MG
Barium, Total	39		mg/kg	0.93	0.08	2	04/23/12 12:20	04/24/12 13:15	EPA 3050B	1,6010B	MG
Beryllium, Total	0.27	J	mg/kg	0.46	0.03	2	04/23/12 12:20	04/24/12 13:15	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.93	0.06	2	04/23/12 12:20	04/24/12 13:15	EPA 3050B	1,6010B	MG
Calcium, Total	68000		mg/kg	460	100	100	04/23/12 12:20	04/24/12 13:32	EPA 3050B	1,6010B	MG
Chromium, Total	7.9		mg/kg	0.93	0.19	2	04/23/12 12:20	04/24/12 13:15	EPA 3050B	1,6010B	MG
Cobalt, Total	3.5		mg/kg	1.8	0.20	2	04/23/12 12:20	04/24/12 13:15	EPA 3050B	1,6010B	MG
Copper, Total	9.8		mg/kg	0.93	0.43	2	04/23/12 12:20	04/24/12 13:15	EPA 3050B	1,6010B	MG
Iron, Total	10000		mg/kg	4.6	1.6	2	04/23/12 12:20	04/24/12 13:15	EPA 3050B	1,6010B	MG
Lead, Total	9.4		mg/kg	4.6	0.26	2	04/23/12 12:20	04/24/12 13:15	EPA 3050B	1,6010B	MG
Magnesium, Total	27000		mg/kg	9.3	4.2	2	04/23/12 12:20	04/24/12 13:15	EPA 3050B	1,6010B	MG
Manganese, Total	340		mg/kg	0.93	0.09	2	04/23/12 12:20	04/24/12 13:15	EPA 3050B	1,6010B	MG
Mercury, Total	0.02	J	mg/kg	0.09	0.02	1	04/23/12 12:45	04/23/12 15:10	EPA 7471A	1,7471A	KL
Nickel, Total	8.0		mg/kg	2.3	0.26	2	04/23/12 12:20	04/24/12 13:15	EPA 3050B	1,6010B	MG
Potassium, Total	1500		mg/kg	230	74.	2	04/23/12 12:20	04/24/12 13:15	EPA 3050B	1,6010B	MG
Selenium, Total	ND		mg/kg	1.8	0.30	2	04/23/12 12:20	04/24/12 13:15	EPA 3050B	1,6010B	MG
Silver, Total	ND		mg/kg	0.93	0.15	2	04/23/12 12:20	04/24/12 13:15	EPA 3050B	1,6010B	MG
Sodium, Total	280		mg/kg	180	74.	2	04/23/12 12:20	04/24/12 13:15	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	1.8	0.58	2	04/23/12 12:20	04/24/12 13:15	EPA 3050B	1,6010B	MG
Vanadium, Total	14		mg/kg	0.93	0.21	2	04/23/12 12:20	04/24/12 13:15	EPA 3050B	1,6010B	MG
Zinc, Total	52		mg/kg	4.6	0.50	2	04/23/12 12:20	04/24/12 13:15	EPA 3050B	1,6010B	MG



Project Name: 285-295 NIAGARA ST SITE
Project Number: 0236-001-101

Lab Number: L1206819
Report Date: 04/26/12

SAMPLE RESULTS

Lab ID: L1206819-17
Client ID: SB-15 (0-2)
Sample Location: 285-295 NIAGARA ST.
Matrix: Soil
Percent Solids: 83%

Date Collected: 04/17/12 13:30
Date Received: 04/19/12
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	18000		mg/kg	9.1	2.0	2	04/23/12 12:20	04/24/12 13:17	EPA 3050B	1,6010B	MG
Antimony, Total	2.5	J	mg/kg	4.6	0.87	2	04/23/12 12:20	04/24/12 13:17	EPA 3050B	1,6010B	MG
Arsenic, Total	4.8		mg/kg	0.91	0.31	2	04/23/12 12:20	04/24/12 13:17	EPA 3050B	1,6010B	MG
Barium, Total	160		mg/kg	0.91	0.08	2	04/23/12 12:20	04/24/12 13:17	EPA 3050B	1,6010B	MG
Beryllium, Total	0.74		mg/kg	0.46	0.03	2	04/23/12 12:20	04/24/12 13:17	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.91	0.06	2	04/23/12 12:20	04/24/12 13:17	EPA 3050B	1,6010B	MG
Calcium, Total	4800		mg/kg	9.1	2.0	2	04/23/12 12:20	04/24/12 13:17	EPA 3050B	1,6010B	MG
Chromium, Total	23		mg/kg	0.91	0.18	2	04/23/12 12:20	04/24/12 13:17	EPA 3050B	1,6010B	MG
Cobalt, Total	10		mg/kg	1.8	0.20	2	04/23/12 12:20	04/24/12 13:17	EPA 3050B	1,6010B	MG
Copper, Total	18		mg/kg	0.91	0.42	2	04/23/12 12:20	04/24/12 13:17	EPA 3050B	1,6010B	MG
Iron, Total	25000		mg/kg	4.6	1.6	2	04/23/12 12:20	04/24/12 13:17	EPA 3050B	1,6010B	MG
Lead, Total	18		mg/kg	4.6	0.26	2	04/23/12 12:20	04/24/12 13:17	EPA 3050B	1,6010B	MG
Magnesium, Total	5600		mg/kg	9.1	4.1	2	04/23/12 12:20	04/24/12 13:17	EPA 3050B	1,6010B	MG
Manganese, Total	910		mg/kg	0.91	0.09	2	04/23/12 12:20	04/24/12 13:17	EPA 3050B	1,6010B	MG
Mercury, Total	0.14		mg/kg	0.10	0.02	1	04/23/12 12:45	04/23/12 15:12	EPA 7471A	1,7471A	KL
Nickel, Total	24		mg/kg	2.3	0.25	2	04/23/12 12:20	04/24/12 13:17	EPA 3050B	1,6010B	MG
Potassium, Total	2300		mg/kg	230	73.	2	04/23/12 12:20	04/24/12 13:17	EPA 3050B	1,6010B	MG
Selenium, Total	1.4	J	mg/kg	1.8	0.30	2	04/23/12 12:20	04/24/12 13:17	EPA 3050B	1,6010B	MG
Silver, Total	0.16	J	mg/kg	0.91	0.15	2	04/23/12 12:20	04/24/12 13:17	EPA 3050B	1,6010B	MG
Sodium, Total	500		mg/kg	180	72.	2	04/23/12 12:20	04/24/12 13:17	EPA 3050B	1,6010B	MG
Thallium, Total	1.3	J	mg/kg	1.8	0.57	2	04/23/12 12:20	04/24/12 13:17	EPA 3050B	1,6010B	MG
Vanadium, Total	33		mg/kg	0.91	0.20	2	04/23/12 12:20	04/24/12 13:17	EPA 3050B	1,6010B	MG
Zinc, Total	83		mg/kg	4.6	0.49	2	04/23/12 12:20	04/24/12 13:17	EPA 3050B	1,6010B	MG



Project Name: 285-295 NIAGARA ST SITE
Project Number: 0236-001-101

Lab Number: L1206819
Report Date: 04/26/12

SAMPLE RESULTS

Lab ID: L1206819-20
Client ID: SB-17 (0-2)
Sample Location: 285-295 NIAGARA ST.
Matrix: Soil
Percent Solids: 84%

Date Collected: 04/17/12 17:00
Date Received: 04/19/12
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	4500		mg/kg	8.9	2.0	2	04/23/12 12:20	04/24/12 13:20	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	4.5	0.85	2	04/23/12 12:20	04/24/12 13:20	EPA 3050B	1,6010B	MG
Arsenic, Total	1.7		mg/kg	0.89	0.30	2	04/23/12 12:20	04/24/12 13:20	EPA 3050B	1,6010B	MG
Barium, Total	31		mg/kg	0.89	0.08	2	04/23/12 12:20	04/24/12 13:20	EPA 3050B	1,6010B	MG
Beryllium, Total	0.22	J	mg/kg	0.45	0.03	2	04/23/12 12:20	04/24/12 13:20	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.89	0.06	2	04/23/12 12:20	04/24/12 13:20	EPA 3050B	1,6010B	MG
Calcium, Total	66000		mg/kg	450	97.	100	04/23/12 12:20	04/24/12 13:44	EPA 3050B	1,6010B	MG
Chromium, Total	7.0		mg/kg	0.89	0.18	2	04/23/12 12:20	04/24/12 13:20	EPA 3050B	1,6010B	MG
Cobalt, Total	4.1		mg/kg	1.8	0.19	2	04/23/12 12:20	04/24/12 13:20	EPA 3050B	1,6010B	MG
Copper, Total	8.7		mg/kg	0.89	0.41	2	04/23/12 12:20	04/24/12 13:20	EPA 3050B	1,6010B	MG
Iron, Total	9600		mg/kg	4.5	1.5	2	04/23/12 12:20	04/24/12 13:20	EPA 3050B	1,6010B	MG
Lead, Total	17		mg/kg	4.5	0.25	2	04/23/12 12:20	04/24/12 13:20	EPA 3050B	1,6010B	MG
Magnesium, Total	24000		mg/kg	8.9	4.0	2	04/23/12 12:20	04/24/12 13:20	EPA 3050B	1,6010B	MG
Manganese, Total	290		mg/kg	0.89	0.09	2	04/23/12 12:20	04/24/12 13:20	EPA 3050B	1,6010B	MG
Mercury, Total	0.04	J	mg/kg	0.09	0.02	1	04/23/12 12:45	04/23/12 15:14	EPA 7471A	1,7471A	KL
Nickel, Total	6.5		mg/kg	2.2	0.25	2	04/23/12 12:20	04/24/12 13:20	EPA 3050B	1,6010B	MG
Potassium, Total	1200		mg/kg	220	71.	2	04/23/12 12:20	04/24/12 13:20	EPA 3050B	1,6010B	MG
Selenium, Total	0.54	J	mg/kg	1.8	0.29	2	04/23/12 12:20	04/24/12 13:20	EPA 3050B	1,6010B	MG
Silver, Total	ND		mg/kg	0.89	0.15	2	04/23/12 12:20	04/24/12 13:20	EPA 3050B	1,6010B	MG
Sodium, Total	450		mg/kg	180	71.	2	04/23/12 12:20	04/24/12 13:20	EPA 3050B	1,6010B	MG
Thallium, Total	0.66	J	mg/kg	1.8	0.56	2	04/23/12 12:20	04/24/12 13:20	EPA 3050B	1,6010B	MG
Vanadium, Total	13		mg/kg	0.89	0.20	2	04/23/12 12:20	04/24/12 13:20	EPA 3050B	1,6010B	MG
Zinc, Total	50		mg/kg	4.5	0.48	2	04/23/12 12:20	04/24/12 13:20	EPA 3050B	1,6010B	MG



Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1206819

Project Number: 0236-001-101

Report Date: 04/26/12

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): 03-06,08-09,17,20 Batch: WG530588-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/23/12 12:45	04/23/12 14:49	1,7471A	KL

Prep Information

Digestion Method: EPA 7471A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 03-06,08-09,17,20 Batch: WG530901-1										
Aluminum, Total	ND		mg/kg	4.0	0.89	1	04/23/12 12:20	04/24/12 10:17	1,6010B	MG
Antimony, Total	ND		mg/kg	2.0	0.38	1	04/23/12 12:20	04/24/12 10:17	1,6010B	MG
Arsenic, Total	ND		mg/kg	0.40	0.14	1	04/23/12 12:20	04/24/12 10:17	1,6010B	MG
Barium, Total	ND		mg/kg	0.40	0.03	1	04/23/12 12:20	04/24/12 10:17	1,6010B	MG
Beryllium, Total	ND		mg/kg	0.20	0.01	1	04/23/12 12:20	04/24/12 10:17	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.40	0.03	1	04/23/12 12:20	04/24/12 10:17	1,6010B	MG
Calcium, Total	0.91	J	mg/kg	4.0	0.87	1	04/23/12 12:20	04/24/12 10:17	1,6010B	MG
Chromium, Total	0.15	J	mg/kg	0.40	0.08	1	04/23/12 12:20	04/24/12 10:17	1,6010B	MG
Cobalt, Total	ND		mg/kg	0.80	0.09	1	04/23/12 12:20	04/24/12 10:17	1,6010B	MG
Copper, Total	ND		mg/kg	0.40	0.18	1	04/23/12 12:20	04/24/12 10:17	1,6010B	MG
Iron, Total	ND		mg/kg	2.0	0.69	1	04/23/12 12:20	04/24/12 10:17	1,6010B	MG
Lead, Total	ND		mg/kg	2.0	0.11	1	04/23/12 12:20	04/24/12 10:17	1,6010B	MG
Magnesium, Total	ND		mg/kg	4.0	1.8	1	04/23/12 12:20	04/24/12 10:17	1,6010B	MG
Manganese, Total	ND		mg/kg	0.40	0.04	1	04/23/12 12:20	04/24/12 10:17	1,6010B	MG
Nickel, Total	ND		mg/kg	1.0	0.11	1	04/23/12 12:20	04/24/12 10:17	1,6010B	MG
Potassium, Total	ND		mg/kg	100	32.	1	04/23/12 12:20	04/24/12 10:17	1,6010B	MG
Selenium, Total	ND		mg/kg	0.80	0.13	1	04/23/12 12:20	04/24/12 10:17	1,6010B	MG
Silver, Total	ND		mg/kg	0.40	0.07	1	04/23/12 12:20	04/24/12 10:17	1,6010B	MG
Sodium, Total	ND		mg/kg	80	32.	1	04/23/12 12:20	04/24/12 10:17	1,6010B	MG
Thallium, Total	ND		mg/kg	0.80	0.25	1	04/23/12 12:20	04/24/12 10:17	1,6010B	MG
Vanadium, Total	ND		mg/kg	0.40	0.09	1	04/23/12 12:20	04/24/12 10:17	1,6010B	MG
Zinc, Total	ND		mg/kg	2.0	0.22	1	04/23/12 12:20	04/24/12 10:17	1,6010B	MG

Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1206819

Project Number: 0236-001-101

Report Date: 04/26/12

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1206819

Project Number: 0236-001-101

Report Date: 04/26/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-06,08-09,17,20 Batch: WG530588-2 SRM Lot Number: 0518-10-02								
Mercury, Total	105		-		67-133	-		

Lab Control Sample Analysis Batch Quality Control

Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1206819

Project Number: 0236-001-101

Report Date: 04/26/12

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-06,08-09,17,20 Batch: WG530901-2					
Aluminum, Total	101	-	75-125	-	
Antimony, Total	97	-	75-125	-	
Arsenic, Total	104	-	75-125	-	
Barium, Total	101	-	75-125	-	
Beryllium, Total	99	-	75-125	-	
Cadmium, Total	100	-	75-125	-	
Calcium, Total	95	-	75-125	-	
Chromium, Total	94	-	75-125	-	
Cobalt, Total	97	-	75-125	-	
Copper, Total	97	-	75-125	-	
Iron, Total	98	-	75-125	-	
Lead, Total	98	-	75-125	-	
Magnesium, Total	97	-	75-125	-	
Manganese, Total	97	-	75-125	-	
Nickel, Total	97	-	75-125	-	
Potassium, Total	95	-	75-125	-	
Selenium, Total	100	-	75-125	-	
Silver, Total	103	-	75-125	-	
Sodium, Total	98	-	75-125	-	
Thallium, Total	100	-	75-125	-	
Vanadium, Total	97	-	75-125	-	

Lab Control Sample Analysis
Batch Quality Control**Project Name:** 285-295 NIAGARA ST SITE**Project Number:** 0236-001-101**Lab Number:** L1206819**Report Date:** 04/26/12

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-06,08-09,17,20 Batch: WG530901-2					
Zinc, Total	94	-	75-125	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1206819

Project Number: 0236-001-101

Report Date: 04/26/12

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): 03-06,08-09,17,20 QC Batch ID: WG530588-3 WG530588-4 QC Sample: L1206819-06 Client ID: SB-05 (0-4)												
Mercury, Total	0.04J	0.164	0.22	134	Q	0.21	130		70-130	5		35

Matrix Spike Analysis

Batch Quality Control

Project Name: 285-295 NIAGARA ST SITE
Project Number: 0236-001-101

Lab Number: L1206819
Report Date: 04/26/12

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): 03-06,08-09,17,20 QC Batch ID: WG530901-3 WG530901-4 QC Sample: L1206819-06 Client ID: SB-05 (0-4)											
Aluminum, Total	8700	187	9200	267	Q	8700	0	Q	75-125	6	35
Antimony, Total	0.81J	46.8	20	43	Q	16	40	Q	75-125	22	35
Arsenic, Total	4.3	11.2	16	104		13	90		75-125	21	35
Barium, Total	65.	187	260	104		210	90		75-125	21	35
Beryllium, Total	0.60	4.68	4.7	88		4.1	86		75-125	14	35
Cadmium, Total	0.26J	4.77	4.3	90		3.6	87		75-125	18	35
Calcium, Total	150000	935	220000	7490	Q	140000	0	Q	75-125	44	Q 35
Chromium, Total	11.	18.7	28	91		24	80		75-125	15	35
Cobalt, Total	3.1	46.8	45	90		37	84		75-125	20	35
Copper, Total	14.	23.4	41	116		35	104		75-125	16	35
Iron, Total	8500	93.5	10000	1600	Q	8100	0	Q	75-125	21	35
Lead, Total	56.	47.7	96	84		96	97		75-125	0	35
Magnesium, Total	27000	935	39000	1280	Q	27000	0	Q	75-125	36	Q 35
Manganese, Total	520	46.8	710	406	Q	510	0	Q	75-125	33	35
Nickel, Total	10.	46.8	49	83		41	76		75-125	18	35
Potassium, Total	1300	935	2900	171	Q	2300	124		75-125	23	35
Selenium, Total	0.68J	11.2	11	98		9.4	97		75-125	16	35
Silver, Total	0.14J	28	29	103		24	99		75-125	19	35
Sodium, Total	470	935	1700	132	Q	1400	115		75-125	19	35
Thallium, Total	0.60J	11.2	10	89		8.8	90		75-125	13	35
Vanadium, Total	13.	46.8	56	92		48	86		75-125	15	35

Matrix Spike Analysis

Batch Quality Control

Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1206819

Project Number: 0236-001-101

Report Date: 04/26/12

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): 03-06,08-09,17,20 QC Batch ID: WG530901-3 WG530901-4 QC Sample: L1206819-06 Client ID: SB-05 (0-4)											
Zinc, Total	100	46.8	120	43	Q	110	25	Q	75-125	9	35

INORGANICS & MISCELLANEOUS

Project Name: 285-295 NIAGARA ST SITE**Project Number:** 0236-001-101**Lab Number:** L1206819**Report Date:** 04/26/12**SAMPLE RESULTS****Lab ID:** L1206819-01**Client ID:** SB-01 (0-2)**Sample Location:** 285-295 NIAGARA ST.**Matrix:** Soil**Date Collected:** 04/16/12 09:00**Date Received:** 04/19/12**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		%	0.10	NA	1	-	04/19/12 21:25	30,2540G	RD



Project Name: 285-295 NIAGARA ST SITE**Project Number:** 0236-001-101**Lab Number:** L1206819**Report Date:** 04/26/12**SAMPLE RESULTS****Lab ID:** L1206819-02**Client ID:** SB-02 (3-5)**Sample Location:** 285-295 NIAGARA ST.**Matrix:** Soil**Date Collected:** 04/16/12 09:15**Date Received:** 04/19/12**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87		%	0.10	NA	1	-	04/19/12 21:25	30,2540G	RD



Project Name: 285-295 NIAGARA ST SITE**Project Number:** 0236-001-101**Lab Number:** L1206819**Report Date:** 04/26/12**SAMPLE RESULTS****Lab ID:** L1206819-03**Client ID:** SB-03 (5-7)**Sample Location:** 285-295 NIAGARA ST.**Matrix:** Soil**Date Collected:** 04/16/12 10:00**Date Received:** 04/19/12**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		%	0.10	NA	1	-	04/19/12 21:25	30,2540G	RD



Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1206819

Project Number: 0236-001-101

Report Date: 04/26/12

SAMPLE RESULTS

Lab ID: L1206819-04

Date Collected: 04/16/12 08:00

Client ID: BLIND DUP

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

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	85		%	0.10	NA	1	-	04/19/12 21:25	30,2540G	RD



Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS****Lab ID:** L1206819-05**Date Collected:** 04/16/12 10:30**Client ID:** SB-04 (9-11')**Date Received:** 04/19/12**Sample Location:** 285-295 NIAGARA ST.**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	85		%	0.10	NA	1	-	04/19/12 21:25	30,2540G	RD



Project Name: 285-295 NIAGARA ST SITE**Project Number:** 0236-001-101**Lab Number:** L1206819**Report Date:** 04/26/12**SAMPLE RESULTS****Lab ID:** L1206819-06**Client ID:** SB-05 (0-4)**Sample Location:** 285-295 NIAGARA ST.**Matrix:** Soil**Date Collected:** 04/16/12 11:29**Date Received:** 04/19/12**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		%	0.10	NA	1	-	04/19/12 21:25	30,2540G	RD



Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS****Lab ID:** L1206819-07**Date Collected:** 04/16/12 11:29**Client ID:** SB-05 (7-9)**Date Received:** 04/19/12**Sample Location:** 285-295 NIAGARA ST.**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	80		%	0.10	NA	1	-	04/19/12 21:25	30,2540G	RD



Project Name: 285-295 NIAGARA ST SITE**Project Number:** 0236-001-101**Lab Number:** L1206819**Report Date:** 04/26/12**SAMPLE RESULTS****Lab ID:** L1206819-08**Client ID:** SB-06 (7-9')**Sample Location:** 285-295 NIAGARA ST.**Matrix:** Soil**Date Collected:** 04/16/12 12:00**Date Received:** 04/19/12**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		%	0.10	NA	1	-	04/19/12 21:25	30,2540G	RD



Project Name: 285-295 NIAGARA ST SITE
Project Number: 0236-001-101

Lab Number: L1206819
Report Date: 04/26/12

SAMPLE RESULTS

Lab ID: L1206819-09
Client ID: SB-07 (5-7)
Sample Location: 285-295 NIAGARA ST.
Matrix: Soil

Date Collected: 04/16/12 13:30
Date Received: 04/19/12
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	83		%	0.10	NA	1	-	04/19/12 21:25	30,2540G	RD



Project Name: 285-295 NIAGARA ST SITE**Project Number:** 0236-001-101**Lab Number:** L1206819**Report Date:** 04/26/12**SAMPLE RESULTS****Lab ID:** L1206819-10**Client ID:** SB-08 (3-5)**Sample Location:** 285-295 NIAGARA ST.**Matrix:** Soil**Date Collected:** 04/16/12 14:00**Date Received:** 04/19/12**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87		%	0.10	NA	1	-	04/19/12 21:25	30,2540G	RD



Project Name: 285-295 NIAGARA ST SITE**Project Number:** 0236-001-101**Lab Number:** L1206819**Report Date:** 04/26/12**SAMPLE RESULTS****Lab ID:** L1206819-11**Client ID:** SB-09 (10-12)**Sample Location:** 285-295 NIAGARA ST.**Matrix:** Soil**Date Collected:** 04/16/12 14:20**Date Received:** 04/19/12**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		%	0.10	NA	1	-	04/19/12 21:25	30,2540G	RD



Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1206819

Project Number: 0236-001-101

Report Date: 04/26/12

SAMPLE RESULTS

Lab ID: L1206819-12

Date Collected: 04/16/12 15:00

Client ID: SB-10 (0-1)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

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	86		%	0.10	NA	1	-	04/19/12 21:25	30,2540G	RD



Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1206819

Project Number: 0236-001-101

Report Date: 04/26/12

SAMPLE RESULTS

Lab ID: L1206819-13

Date Collected: 04/17/12 09:30

Client ID: SB-11 (7-9)

Date Received: 04/19/12

Sample Location: 285-295 NIAGARA ST.

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	84		%	0.10	NA	1	-	04/24/12 00:20	30,2540G	RD



Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1206819**Project Number:** 0236-001-101**Report Date:** 04/26/12**SAMPLE RESULTS****Lab ID:** L1206819-14**Date Collected:** 04/17/12 09:30**Client ID:** SB-11 (14-15)**Date Received:** 04/19/12**Sample Location:** 285-295 NIAGARA ST.**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	82		%	0.10	NA	1	-	04/24/12 00:20	30,2540G	RD



Project Name: 285-295 NIAGARA ST SITE**Project Number:** 0236-001-101**Lab Number:** L1206819**Report Date:** 04/26/12**SAMPLE RESULTS****Lab ID:** L1206819-15**Client ID:** SB-13 (1-3)**Sample Location:** 285-295 NIAGARA ST.**Matrix:** Soil**Date Collected:** 04/17/12 10:45**Date Received:** 04/19/12**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		%	0.10	NA	1	-	04/19/12 21:25	30,2540G	RD



Project Name: 285-295 NIAGARA ST SITE**Project Number:** 0236-001-101**Lab Number:** L1206819**Report Date:** 04/26/12**SAMPLE RESULTS****Lab ID:** L1206819-16**Client ID:** SB-14 (5-7)**Sample Location:** 285-295 NIAGARA ST.**Matrix:** Soil**Date Collected:** 04/17/12 12:30**Date Received:** 04/19/12**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		%	0.10	NA	1	-	04/19/12 21:25	30,2540G	RD



Project Name: 285-295 NIAGARA ST SITE**Project Number:** 0236-001-101**Lab Number:** L1206819**Report Date:** 04/26/12**SAMPLE RESULTS****Lab ID:** L1206819-17**Client ID:** SB-15 (0-2)**Sample Location:** 285-295 NIAGARA ST.**Matrix:** Soil**Date Collected:** 04/17/12 13:30**Date Received:** 04/19/12**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	83		%	0.10	NA	1	-	04/19/12 21:25	30,2540G	RD



Project Name: 285-295 NIAGARA ST SITE**Project Number:** 0236-001-101**Lab Number:** L1206819**Report Date:** 04/26/12**SAMPLE RESULTS****Lab ID:** L1206819-18**Client ID:** SB-18 (7-9)**Sample Location:** 285-295 NIAGARA ST.**Matrix:** Soil**Date Collected:** 04/17/12 14:45**Date Received:** 04/19/12**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84		%	0.10	NA	1	-	04/19/12 21:25	30,2540G	RD



Project Name: 285-295 NIAGARA ST SITE**Project Number:** 0236-001-101**Lab Number:** L1206819**Report Date:** 04/26/12**SAMPLE RESULTS****Lab ID:** L1206819-19**Client ID:** SB-16 (0-2)**Sample Location:** 285-295 NIAGARA ST.**Matrix:** Soil**Date Collected:** 04/17/12 16:30**Date Received:** 04/19/12**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84		%	0.10	NA	1	-	04/19/12 21:25	30,2540G	RD



Project Name: 285-295 NIAGARA ST SITE**Project Number:** 0236-001-101**Lab Number:** L1206819**Report Date:** 04/26/12**SAMPLE RESULTS****Lab ID:** L1206819-20**Client ID:** SB-17 (0-2)**Sample Location:** 285-295 NIAGARA ST.**Matrix:** Soil**Date Collected:** 04/17/12 17:00**Date Received:** 04/19/12**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84		%	0.10	NA	1	-	04/19/12 21:25	30,2540G	RD



Project Name: 285-295 NIAGARA ST SITE**Project Number:** 0236-001-101**Lab Number:** L1206819**Report Date:** 04/26/12**SAMPLE RESULTS****Lab ID:** L1206819-21**Client ID:** SB-19 (3-5)**Sample Location:** 285-295 NIAGARA ST.**Matrix:** Soil**Date Collected:** 04/17/12 15:30**Date Received:** 04/19/12**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		%	0.10	NA	1	-	04/19/12 21:25	30,2540G	RD



Lab Duplicate Analysis Batch Quality Control

Project Name: 285-295 NIAGARA ST SITE

Project Number: 0236-001-101

Lab Number: L1206819

Report Date: 04/26/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-12,15-21 QC Batch ID: WG530402-1 QC Sample: L1206819-06 Client ID: SB-05 (0-4)						
Solids, Total	93.	92	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 13-14 QC Batch ID: WG531063-1 QC Sample: L1206910-06 Client ID: DUP Sample						
Solids, Total	82.	80	%	2		20

Project Name: 285-295 NIAGARA ST SITE

Project Number: 0236-001-101

Lab Number: L1206819

Report Date: 04/26/12

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler

A Present/Intact

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1206819-01A	Amber 120ml unpreserved	A	N/A	2.4	Y	Absent	NYTCL-8270(14),NYTCL-8270-SIM(14),TS(7)
L1206819-02A	Amber 120ml unpreserved	A	N/A	2.4	Y	Absent	NYTCL-8270(14),NYTCL-8270-SIM(14),TS(7)
L1206819-03A	Amber 120ml unpreserved	A	N/A	2.4	Y	Absent	NYTCL-8270(14),NYTCL-8270-SIM(14),TS(7)
L1206819-03B	Amber 120ml unpreserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1206819-03C	Amber 250ml unpreserved	A	N/A	2.4	Y	Absent	BE-TI(180),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)
L1206819-04A	Amber 120ml unpreserved	A	N/A	2.4	Y	Absent	NYTCL-8270(14),NYTCL-8270-SIM(14),TS(7)
L1206819-04B	Amber 120ml unpreserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1206819-04C	Amber 250ml unpreserved	A	N/A	2.4	Y	Absent	BE-TI(180),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)
L1206819-05A	Amber 120ml unpreserved	A	N/A	2.4	Y	Absent	NYTCL-8270(14),NYTCL-8270-SIM(14),TS(7)
L1206819-05B	Amber 120ml unpreserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days



Project Name: 285-295 NIAGARA ST SITE

Project Number: 0236-001-101

Lab Number: L1206819

Report Date: 04/26/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1206819-05C	Amber 250ml unpreserved	A	N/A	2.4	Y	Absent	BE-TI(180),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)
L1206819-06A	Amber 120ml unpreserved	A	N/A	2.4	Y	Absent	NYTCL-8270(14),HERB-APA(14),NYTCL-8270-SIM(14),NYTCL-8081(14),NYTCL-8082(14)
L1206819-06B	Amber 250ml unpreserved	A	N/A	2.4	Y	Absent	NYTCL-8270(14),HERB-APA(14),NYTCL-8270-SIM(14),NYTCL-8081(14),NYTCL-8082(14)
L1206819-06C	Amber 250ml unpreserved	A	N/A	2.4	Y	Absent	NYTCL-8270(14),HERB-APA(14),NYTCL-8270-SIM(14),TL-TI(180),ZN-TI(180),NYTCL-8081(14),V-TI(180),NYTCL-8082(14)
L1206819-06D	Amber 120ml unpreserved	A	N/A	2.4	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),CO-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)
L1206819-06E	Amber 250ml unpreserved	A	N/A	2.4	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),CO-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)
L1206819-06F	Amber 250ml unpreserved	A	N/A	2.4	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),CO-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)
L1206819-07A	Amber 120ml unpreserved	A	N/A	2.4	Y	Absent	NYTCL-8270(14),NYTCL-8270-SIM(14),TS(7)

*Values in parentheses indicate holding time in days



Project Name: 285-295 NIAGARA ST SITE

Project Number: 0236-001-101

Lab Number: L1206819

Report Date: 04/26/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1206819-07B	Amber 120ml unpreserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1206819-08A	Amber 120ml unpreserved	A	N/A	2.4	Y	Absent	NYTCL-8270(14),NYTCL-8270-SIM(14),TS(7)
L1206819-08B	Amber 120ml unpreserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1206819-08C	Amber 250ml unpreserved	A	N/A	2.4	Y	Absent	BE-TI(180),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)
L1206819-09A	Amber 120ml unpreserved	A	N/A	2.4	Y	Absent	NYTCL-8270(14),NYTCL-8270-SIM(14)
L1206819-09B	Amber 120ml unpreserved	A	N/A	2.4	Y	Absent	BE-TI(180),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)
L1206819-10A	Amber 120ml unpreserved	A	N/A	2.4	Y	Absent	NYTCL-8270(14),NYTCL-8270-SIM(14),TS(7)
L1206819-11A	Amber 120ml unpreserved	A	N/A	2.4	Y	Absent	NYTCL-8270(14),NYTCL-8270-SIM(14),TS(7)
L1206819-12A	Amber 120ml unpreserved	A	N/A	2.4	Y	Absent	NYTCL-8270(14),NYTCL-8270-SIM(14),TS(7)
L1206819-13A	Amber 120ml unpreserved	A	N/A	2.4	Y	Absent	TS(7),NYTCL-8260(14)
L1206819-14A	Amber 120ml unpreserved	A	N/A	2.4	Y	Absent	TS(7),NYTCL-8260(14)
L1206819-15A	Amber 120ml unpreserved	A	N/A	2.4	Y	Absent	NYTCL-8270(14),NYTCL-8270-SIM(14),TS(7)
L1206819-16A	Amber 120ml unpreserved	A	N/A	2.4	Y	Absent	NYTCL-8270(14),NYTCL-8270-SIM(14),TS(7)
L1206819-17A	Amber 120ml unpreserved	A	N/A	2.4	Y	Absent	NYTCL-8270(14),NYTCL-8270-SIM(14),TS(7)
L1206819-17B	Amber 120ml unpreserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days



Project Name: 285-295 NIAGARA ST SITE

Project Number: 0236-001-101

Lab Number: L1206819

Report Date: 04/26/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1206819-17C	Amber 250ml unpreserved	A	N/A	2.4	Y	Absent	BE-TI(180),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)
L1206819-18A	Amber 120ml unpreserved	A	N/A	2.4	Y	Absent	NYTCL-8270(14),NYTCL-8270-SIM(14),TS(7)
L1206819-18B	Amber 120ml unpreserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1206819-19A	Amber 120ml unpreserved	A	N/A	2.4	Y	Absent	NYTCL-8270(14),NYTCL-8270-SIM(14),TS(7)
L1206819-20A	Amber 120ml unpreserved	A	N/A	2.4	Y	Absent	NYTCL-8270(14),NYTCL-8270-SIM(14),TS(7)
L1206819-20B	Amber 120ml unpreserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1206819-20C	Amber 250ml unpreserved	A	N/A	2.4	Y	Absent	BE-TI(180),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)
L1206819-21A	Amber 120ml unpreserved	A	N/A	2.4	Y	Absent	NYTCL-8270(14),NYTCL-8270-SIM(14),TS(7)

Container Comments

L1206819-12A

L1206819-15A

*Values in parentheses indicate holding time in days



Project Name: 285-295 NIAGARA ST SITE
Project Number: 0236-001-101

Lab Number: L1206819
Report Date: 04/26/12

GLOSSARY

Acronyms

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.
LCS D	- 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.
MS D	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

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

Terms

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 five times (5x) 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.
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 RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value 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.

Report Format: DU Report with "J" Qualifiers



Project Name: 285-295 NIAGARA ST SITE
Project Number: 0236-001-101

Lab Number: L1206819
Report Date: 04/26/12

Data Qualifiers

- 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.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL). This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample.

Report Format: DU Report with "J" Qualifiers



Project Name: 285-295 NIAGARA ST SITE
Project Number: 0236-001-101

Lab Number: L1206819
Report Date: 04/26/12

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.
- 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.



Certificate/Approval Program Summary

Last revised January 30, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. **NELAP Accredited Solid Waste/Soil.**

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3,3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.

Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 8081, 8082, 8330, 8151A, 624, 8260, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014A, 9040B, 9045C, 6010B, 7471A, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8330, 8151A, 8081A, 8082, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.

Drinking Water (Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: 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-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. *NELAP Accredited.*

Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3550B, 3580A, 3630C, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. *NELAP Accredited.*

Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500CI-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 6020A, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8081B, 8082, 8082A, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. *NELAP Accredited.*

Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. **NELAP Accredited.**
Drinking Water (Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 1312, 200.7, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P, BE. Organic Parameters: EPA 3510C, 3005A, 3630C, 5030B, 625, 624, 608, 8081A, 8081B, 8082, 802A, 8151A, 8260B, 8270C, 8270D, 8330)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 3060A, 6010B, 6010C, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH₃-H. Organic Parameters: 3540C, 3546, 3580A, 3630C, 5035, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260B, 8270C, 8270D, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. **NELAP Accredited via NY-DOH.**

Refer to MA-DEP Certificate for Potable and Non-Potable Water.

Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commission on Environmental Quality Certificate/Lab ID: T104704476-09-1. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH₃-H, 4500NO₂B, 4500P-E, 4500 S²⁻D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: EPA 3005A, 3015, 1312, 6010B, 6010C, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X. Organic Parameters: EPA 8260B)

Solid & Hazardous Waste (Inorganic Parameters: EPA 3050B, 1311, 1312, 6010B, 6010C, 9030B, 9010B, 9012A, 9014. Organic Parameters: EPA 5035, 5030B, 8260B.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.

Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO₃-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:

EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methyl naphthalenes, Total Dimethyl naphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO₂ in a soil matrix, NO₃ in a soil matrix, SO₄ in a soil matrix.



CHAIN OF CUSTODY

PAGE 2 OF 2

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Client Information

Client: Turnkey

Address: 2553 Haverburg Turnpike, Buffalo, NY 14218

Phone: (716) 856-0599

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All CAM methods for inorganic analyses require MS every 20 soil samples)

Project Information

Project Name: 285-295 Niagara St Site

Project Location: 285-295 Niagara St

Project #: 0236-001-101

Project Manager: Mike Leskanski

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: 10 day Time:

Date Rec'd in Lab: 4/19/12

Report Information - Data Deliverables

☐ FAX ☐ EMAIL

☐ ADEX ☐ Add'l Deliverables

Regulatory Requirements/Report Limits

State / Fed Program

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

ALPHA Job #: L1200819

Billing Information

Same as Client info PO #:

Criteria CAT B

ANALYSIS
TCL+Stress VOC+TICS
TCL+Stress SVOC+TICS
TAL Metals PCBs Pesticides Herbicides

SAMPLE HANDLING
Filtration _____
☐ Done
☐ Not needed
☐ 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	Container Type Preservative	Received By:	Date/Time	Received By:	Date/Time	Sample Specific Comments
06819, 11	SB-07 (10-12)	4-16-12	1420	Soil	PRL			4-18-12/1110	James D. Ruckelshaus	4-18-12/1110	
12	SB-10 (6-1)	4-16-12	1500	Soil	PRL			4-18-12/1130	James D. Ruckelshaus	4-18-12/1130	
13	SB-11 (7-9)	4-17-12	930								
14	SB-11 (14-15)	4-17-12	930								
15	SB-13 (1-3)	4-17-12	1015								
16	SB-14 (5-7)	4-17-12	1230								
17	SB-15 (10-2)	4-17-12	1330								
18	SB-18 (7-9)	4-17-12	1445	Soil	PRL						
19	SB-16 (6-2)	4-17-12	1630								
20	SB-17 (10-2)	4-17-12	1700								
21	SB-19 (3-5)	4-17-12	1530								

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT

MAMCP or CTRCP?

FORM NO: 01-01 (rev. 18-Jan-2010)

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.



ANALYTICAL REPORT

Lab Number:	L1207219
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Mike Lesakowski
Phone:	(716) 856-0599
Project Name:	285-295 NIAGARA ST SITE
Project Number:	0236-001-102
Report Date:	05/02/12

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

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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



Project Name: 285-295 NIAGARA ST SITE
Project Number: 0236-001-102

Lab Number: L1207219
Report Date: 05/02/12

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1207219-01	MW-01	285-295 NIAGARA ST	04/23/12 17:37
L1207219-02	MW-02	285-295 NIAGARA ST	04/23/12 17:00
L1207219-03	MW-03	285-295 NIAGARA ST	04/23/12 15:17
L1207219-04	MW-04	285-295 NIAGARA ST	04/23/12 13:57
L1207219-05	MW-05	285-295 NIAGARA ST	04/23/12 16:22
L1207219-06	BLIND	285-295 NIAGARA ST	04/23/12 08:00
L1207219-07	TRIP BLANK	285-295 NIAGARA ST	04/23/12 00:00

Project Name: 285-295 NIAGARA ST SITE
Project Number: 0236-001-102

Lab Number: L1207219
Report Date: 05/02/12

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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 free of charge for 30 days from the date the project is completed. After 30 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.

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

Project Name: 285-295 NIAGARA ST SITE
Project Number: 0236-001-102

Lab Number: L1207219
Report Date: 05/02/12

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 WG532808-4/-5 MS/MSD recoveries, performed on L1207219-04, were above the acceptance criteria for Chloroethane (162%/166%), Vinyl acetate (144%/151%), 2-Hexanone (133%/141%), and Ethyl ether (154%/156%).

Semivolatile Organics

The WG532033-4/-5 MS/MSD recoveries, performed on L1207219-04, are outside the acceptance criteria for 3,3'-Dichlorobenzidine (15%/3%), 2,4-Dinitrotoluene (MSD at 100%), P-Chloro-M-Cresol (MSD at 110%), and 4-Nitrophenol (MSD at 83%).

The WG532033-4/-5 MS/MSD RPD, performed on L1207219-04, is above the acceptance criteria for 3,3'-Dichlorobenzidine (127%).

PCBs

L1207219-05 has an elevated detection limit due to limited sample volume available for analysis.

Pesticides

The dual column RPDs for L1207219-01, -02, and -04 are above the acceptance criteria for trans-Chlordane; however, obvious column interferences are present. Due to these interferences, the lower of the two results is reported and qualified with a "P".

The dual column RPDs for L1207219-06 are above the acceptance criteria for Heptachlor epoxide and trans-Chlordane; however, obvious column interferences are present. Due to these interferences, the lower of the two results is reported and qualified with a "P".

Metals

Project Name: 285-295 NIAGARA ST SITE
Project Number: 0236-001-102

Lab Number: L1207219
Report Date: 05/02/12

Case Narrative (continued)

The WG532085-3/-4 MS/MSD recoveries, performed on L1207219-04, are above the acceptance criteria for Mercury (145%/151%); however, the associated LCS recovery was within criteria. No further action was taken.

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:  Cynthia McQueen

Title: Technical Director/Representative

Date: 05/02/12

ORGANICS

VOLATILES

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-01
Client ID: MW-01
Sample Location: 285-295 NIAGARA ST
Matrix: Water
Analytical Method: 1,8260B
Analytical Date: 04/30/12 12:05
Analyst: PD

Date Collected: 04/23/12 17:37
Date Received: 04/25/12
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	0.16	1
1,2-Dichloropropane	ND		ug/l	1.0	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	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	0.16	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19	1
Benzene	ND		ug/l	0.50	0.19	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.18	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	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: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-01

Date Collected: 04/23/12 17:37

Client ID: MW-01

Date Received: 04/25/12

Sample Location: 285-295 NIAGARA ST

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	1.2	J	ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	14		ug/l	5.0	1.0	1
Carbon disulfide	5.2		ug/l	5.0	1.0	1
2-Butanone	2.7	J	ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	2.5	J	ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.70	1
4-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-01

Date Collected: 04/23/12 17:37

Client ID: MW-01

Date Received: 04/25/12

Sample Location: 285-295 NIAGARA ST

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Tentatively Identified Compounds

2-Heptanone, 6-methyl-	1.1	NJ	ug/l			1

Nonanal	1.6	NJ	ug/l			1

2-Decanone	1.2	NJ	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	102		70-130

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-02
Client ID: MW-02
Sample Location: 285-295 NIAGARA ST
Matrix: Water
Analytical Method: 1,8260B
Analytical Date: 04/30/12 12:32
Analyst: PD

Date Collected: 04/23/12 17:00
Date Received: 04/25/12
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	0.16	1
1,2-Dichloropropane	ND		ug/l	1.0	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	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	0.16	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19	1
Benzene	ND		ug/l	0.50	0.19	1
Toluene	0.70	J	ug/l	2.5	0.70	1
Ethylbenzene	1.4	J	ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.18	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	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: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-02

Date Collected: 04/23/12 17:00

Client ID: MW-02

Date Received: 04/25/12

Sample Location: 285-295 NIAGARA ST

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	5.7		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
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	32		ug/l	5.0	1.0	1
Carbon disulfide	3.5	J	ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	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
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	0.70	J	ug/l	2.5	0.70	1
p-Isopropyltoluene	1.4	J	ug/l	2.5	0.70	1
n-Propylbenzene	1.9	J	ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	16		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	3.5		ug/l	2.5	0.70	1
1,4-Diethylbenzene	9.3		ug/l	2.0	0.70	1
4-Ethyltoluene	20		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	6.2		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-02

Date Collected: 04/23/12 17:00

Client ID: MW-02

Date Received: 04/25/12

Sample Location: 285-295 NIAGARA ST

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Tentatively Identified Compounds

Butane, 2-methyl-	15	NJ	ug/l			1

Pentane	14	NJ	ug/l			1

Pentane, 2-methyl-	22	NJ	ug/l			1

Pentane, 3-methyl-	10	NJ	ug/l			1

Cyclopentane, methyl-	27	NJ	ug/l			1

Cyclohexane	15	NJ	ug/l			1

Cyclohexane, methyl-	11	NJ	ug/l			1

Unknown Substituted Benzene	12	J	ug/l			1

Unknown Substituted Benzene	16	J	ug/l			1

Unknown Substituted Benzene	6.2	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	104		70-130

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-03
Client ID: MW-03
Sample Location: 285-295 NIAGARA ST
Matrix: Water
Analytical Method: 1,8260B
Analytical Date: 04/30/12 12:59
Analyst: PD

Date Collected: 04/23/12 15:17
Date Received: 04/25/12
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	0.16	1
1,2-Dichloropropane	ND		ug/l	1.0	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	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	0.16	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19	1
Benzene	ND		ug/l	0.50	0.19	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.18	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	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: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-03

Date Collected: 04/23/12 15:17

Client ID: MW-03

Date Received: 04/25/12

Sample Location: 285-295 NIAGARA ST

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
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	17		ug/l	5.0	1.0	1
Carbon disulfide	5.5		ug/l	5.0	1.0	1
2-Butanone	4.8	J	ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	1.0	J	ug/l	5.0	1.0	1
2-Hexanone	6.0		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	1.1	J	ug/l	2.5	0.70	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.70	1
4-Ethyltoluene	0.97	J	ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-03

Date Collected: 04/23/12 15:17

Client ID: MW-03

Date Received: 04/25/12

Sample Location: 285-295 NIAGARA ST

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Tentatively Identified Compounds

2-Heptanone, 6-methyl-	2.6	NJ	ug/l			1

Unknown Ketone	2.5	J	ug/l			1

Unknown Ketone	2.6	J	ug/l			1

Nonanal	4.3	NJ	ug/l			1

Unknown	1.4	J	ug/l			1

Unknown	4.0	J	ug/l			1

2-Decanone	3.2	NJ	ug/l			1

Unknown	3.0	J	ug/l			1

2-Undecanone	1.1	NJ	ug/l			1

Unknown Substituted Naphthalene	1.7	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	103		70-130

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-04
Client ID: MW-04
Sample Location: 285-295 NIAGARA ST
Matrix: Water
Analytical Method: 1,8260B
Analytical Date: 04/30/12 13:25
Analyst: PD

Date Collected: 04/23/12 13:57
Date Received: 04/25/12
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	0.16	1
1,2-Dichloropropane	ND		ug/l	1.0	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	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	0.16	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19	1
Benzene	ND		ug/l	0.50	0.19	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.18	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	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: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-04

Date Collected: 04/23/12 13:57

Client ID: MW-04

Date Received: 04/25/12

Sample Location: 285-295 NIAGARA ST

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
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	9.1		ug/l	5.0	1.0	1
Carbon disulfide	5.2		ug/l	5.0	1.0	1
2-Butanone	2.0	J	ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	2.4	J	ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.70	1
4-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-04

Date Collected: 04/23/12 13:57

Client ID: MW-04

Date Received: 04/25/12

Sample Location: 285-295 NIAGARA ST

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Tentatively Identified Compounds

Unknown Ketone	1.0	J	ug/l			1

Nonanal	2.2	NJ	ug/l			1

Unknown	1.0	J	ug/l			1

2-Decanone	1.8	NJ	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	101		70-130

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-05
Client ID: MW-05
Sample Location: 285-295 NIAGARA ST
Matrix: Water
Analytical Method: 1,8260B
Analytical Date: 04/30/12 13:52
Analyst: PD

Date Collected: 04/23/12 16:22
Date Received: 04/25/12
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	0.16	1
1,2-Dichloropropane	ND		ug/l	1.0	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	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	0.16	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19	1
Benzene	ND		ug/l	0.50	0.19	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.18	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	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: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-05

Date Collected: 04/23/12 16:22

Client ID: MW-05

Date Received: 04/25/12

Sample Location: 285-295 NIAGARA ST

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
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	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	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	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
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.70	1
4-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-05

Date Collected: 04/23/12 16:22

Client ID: MW-05

Date Received: 04/25/12

Sample Location: 285-295 NIAGARA ST

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	108		70-130

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-06
Client ID: BLIND
Sample Location: 285-295 NIAGARA ST
Matrix: Water
Analytical Method: 1,8260B
Analytical Date: 04/30/12 14:18
Analyst: PD

Date Collected: 04/23/12 08:00
Date Received: 04/25/12
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	0.16	1
1,2-Dichloropropane	ND		ug/l	1.0	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	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	0.16	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19	1
Benzene	ND		ug/l	0.50	0.19	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.18	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	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: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-06

Date Collected: 04/23/12 08:00

Client ID: BLIND

Date Received: 04/25/12

Sample Location: 285-295 NIAGARA ST

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
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	20		ug/l	5.0	1.0	1
Carbon disulfide	6.6		ug/l	5.0	1.0	1
2-Butanone	4.7	J	ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	5.5		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	1.2	J	ug/l	2.5	0.70	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.70	1
4-Ethyltoluene	1.0	J	ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-06

Date Collected: 04/23/12 08:00

Client ID: BLIND

Date Received: 04/25/12

Sample Location: 285-295 NIAGARA ST

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Tentatively Identified Compounds

2-Heptanone, 6-methyl-	2.8	NJ	ug/l			1

Unknown Ketone	2.5	J	ug/l			1

Unknown Ketone	2.7	J	ug/l			1

Nonanal	4.7	NJ	ug/l			1

Unknown	1.7	J	ug/l			1

Unknown Ketone	4.8	J	ug/l			1

2-Decanone	3.9	NJ	ug/l			1

Unknown Ketone	3.4	J	ug/l			1

2-Undecanone	1.5	NJ	ug/l			1

Unknown Substituted Naphthalene	1.9	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	104		70-130

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-07
Client ID: TRIP BLANK
Sample Location: 285-295 NIAGARA ST
Matrix: Water
Analytical Method: 1,8260B
Analytical Date: 04/30/12 14:44
Analyst: PD

Date Collected: 04/23/12 00:00
Date Received: 04/25/12
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	0.16	1
1,2-Dichloropropane	ND		ug/l	1.0	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	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	0.16	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19	1
Benzene	ND		ug/l	0.50	0.19	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.18	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	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: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-07

Date Collected: 04/23/12 00:00

Client ID: TRIP BLANK

Date Received: 04/25/12

Sample Location: 285-295 NIAGARA ST

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
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	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	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	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
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.70	1
4-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-07

Date Collected: 04/23/12 00:00

Client ID: TRIP BLANK

Date Received: 04/25/12

Sample Location: 285-295 NIAGARA ST

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	105		70-130

Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1207219

Project Number: 0236-001-102

Report Date: 05/02/12

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260B
 Analytical Date: 04/30/12 10:42
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG532808-3					
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	0.16
1,2-Dichloropropane	ND		ug/l	1.0	0.30
Dibromochloromethane	ND		ug/l	0.50	0.19
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	0.16
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19
Benzene	ND		ug/l	0.50	0.19
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.18
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1207219

Project Number: 0236-001-102

Report Date: 05/02/12

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260B
 Analytical Date: 04/30/12 10:42
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG532808-3					
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
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
Vinyl acetate	ND		ug/l	5.0	1.0
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
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70



Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1207219

Project Number: 0236-001-102

Report Date: 05/02/12

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260B
 Analytical Date: 04/30/12 10:42
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG532808-3					
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Diethylbenzene	ND		ug/l	2.0	0.70
4-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/l

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	106		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285-295 NIAGARA ST SITE

Project Number: 0236-001-102

Lab Number: L1207219

Report Date: 05/02/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG532808-1 WG532808-2								
Methylene chloride	89		92		70-130	3		20
1,1-Dichloroethane	94		96		70-130	2		20
Chloroform	92		96		70-130	4		20
Carbon tetrachloride	87		89		63-132	2		20
1,2-Dichloropropane	97		96		70-130	1		20
Dibromochloromethane	89		90		63-130	1		20
1,1,2-Trichloroethane	94		99		70-130	5		20
Tetrachloroethene	75		78		70-130	4		20
Chlorobenzene	84		88		75-130	5		20
Trichlorofluoromethane	127		126		62-150	1		20
1,2-Dichloroethane	108		111		70-130	3		20
1,1,1-Trichloroethane	88		89		67-130	1		20
Bromodichloromethane	96		99		67-130	3		20
trans-1,3-Dichloropropene	95		94		70-130	1		20
cis-1,3-Dichloropropene	91		93		70-130	2		20
1,1-Dichloropropene	84		88		70-130	5		20
Bromoform	90		93		54-136	3		20
1,1,2,2-Tetrachloroethane	99		97		67-130	2		20
Benzene	88		90		70-130	2		20
Toluene	83		85		70-130	2		20
Ethylbenzene	84		88		70-130	5		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 285-295 NIAGARA ST SITE

Project Number: 0236-001-102

Lab Number: L1207219

Report Date: 05/02/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG532808-1 WG532808-2								
Chloromethane	86		77		64-130	11		20
Bromomethane	131		125		39-139	5		20
Vinyl chloride	102		111		55-140	8		20
Chloroethane	151	Q	148	Q	55-138	2		20
1,1-Dichloroethene	85		87		61-145	2		20
trans-1,2-Dichloroethene	84		84		70-130	0		20
Trichloroethene	83		88		70-130	6		20
1,2-Dichlorobenzene	84		87		70-130	4		20
1,3-Dichlorobenzene	84		86		70-130	2		20
1,4-Dichlorobenzene	84		86		70-130	2		20
Methyl tert butyl ether	98		98		63-130	0		20
p/m-Xylene	84		86		70-130	2		20
o-Xylene	85		89		70-130	5		20
cis-1,2-Dichloroethene	86		90		70-130	5		20
Dibromomethane	97		99		70-130	2		20
1,2,3-Trichloropropane	104		101		64-130	3		20
Acrylonitrile	110		110		70-130	0		20
Styrene	87		89		70-130	2		20
Dichlorodifluoromethane	66		68		36-147	3		20
Acetone	129		147		58-148	13		20
Carbon disulfide	82		84		51-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285-295 NIAGARA ST SITE

Project Number: 0236-001-102

Lab Number: L1207219

Report Date: 05/02/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG532808-1 WG532808-2								
2-Butanone	123		124		63-138	1		20
Vinyl acetate	135	Q	136	Q	70-130	1		20
4-Methyl-2-pentanone	102		96		59-130	6		20
2-Hexanone	117		114		57-130	3		20
Bromochloromethane	88		91		70-130	3		20
2,2-Dichloropropane	90		90		63-133	0		20
1,2-Dibromoethane	90		92		70-130	2		20
1,3-Dichloropropane	98		97		70-130	1		20
1,1,1,2-Tetrachloroethane	84		89		64-130	6		20
Bromobenzene	84		85		70-130	1		20
n-Butylbenzene	83		85		53-136	2		20
sec-Butylbenzene	77		78		70-130	1		20
tert-Butylbenzene	78		79		70-130	1		20
o-Chlorotoluene	87		86		70-130	1		20
p-Chlorotoluene	84		86		70-130	2		20
1,2-Dibromo-3-chloropropane	96		99		41-144	3		20
Hexachlorobutadiene	70		74		63-130	6		20
Isopropylbenzene	78		82		70-130	5		20
p-Isopropyltoluene	76		79		70-130	4		20
n-Propylbenzene	81		82		69-130	1		20
1,2,3-Trichlorobenzene	88		89		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1207219

Project Number: 0236-001-102

Report Date: 05/02/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG532808-1 WG532808-2								
1,2,4-Trichlorobenzene	83		87		70-130	5		20
1,3,5-Trimethylbenzene	80		83		64-130	4		20
1,2,4-Trimethylbenzene	81		86		70-130	6		20
1,4-Diethylbenzene	75		79		70-130	5		20
4-Ethyltoluene	78		81		70-130	4		20
1,2,4,5-Tetramethylbenzene	79		82		70-130	4		20
Ethyl ether	156	Q	158	Q	59-134	1		20
trans-1,4-Dichloro-2-butene	114		104		70-130	9		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	118		117		70-130
Toluene-d8	99		100		70-130
4-Bromofluorobenzene	97		98		70-130
Dibromofluoromethane	105		106		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: 285-295 NIAGARA ST SITE
Project Number: 0236-001-102

Lab Number: L1207219
Report Date: 05/02/12

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): 01-07 QC Batch ID: WG532808-4 WG532808-5 QC Sample: L1207219-04 Client ID: MW-04												
Methylene chloride	ND	10	10	102		10	104		70-130	0		20
1,1-Dichloroethane	ND	10	11	111		11	113		70-130	0		20
Chloroform	ND	10	11	108		11	110		70-130	0		20
Carbon tetrachloride	ND	10	10	103		10	105		63-132	0		20
1,2-Dichloropropane	ND	10	11	111		11	112		70-130	0		20
Dibromochloromethane	ND	10	9.5	95		8.8	88		63-130	8		20
1,1,2-Trichloroethane	ND	10	11	108		10	101		70-130	10		20
Tetrachloroethene	ND	10	8.9	89		7.9	79		70-130	12		20
Chlorobenzene	ND	10	9.8	98		9.9	99		75-130	1		20
Trichlorofluoromethane	ND	10	13	134		14	142		62-150	7		20
1,2-Dichloroethane	ND	10	12	117		12	120		70-130	0		20
1,1,1-Trichloroethane	ND	10	10	104		10	105		67-130	0		20
Bromodichloromethane	ND	10	11	109		11	112		67-130	0		20
trans-1,3-Dichloropropene	ND	10	10	101		9.4	94		70-130	6		20
cis-1,3-Dichloropropene	ND	10	9.9	99		10	102		70-130	1		20
1,1-Dichloropropene	ND	10	10	103		10	105		70-130	0		20
Bromoform	ND	10	8.8	88		10	101		54-136	13		20
1,1,2,2-Tetrachloroethane	ND	10	9.8	98		11	111		67-130	12		20
Benzene	ND	10	10	103		10	104		70-130	0		20
Toluene	ND	10	9.9	100		9.0	90		70-130	10		20
Ethylbenzene	ND	10	9.7	97		10	102		70-130	3		20

Matrix Spike Analysis

Batch Quality Control

Project Name: 285-295 NIAGARA ST SITE

Project Number: 0236-001-102

Lab Number: L1207219

Report Date: 05/02/12

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): 01-07 QC Batch ID: WG532808-4 WG532808-5 QC Sample: L1207219-04 Client ID: MW-04

Chloromethane	ND	10	11	110		11	107		64-130	0		20
Bromomethane	ND	10	12	120		13	132		39-139	8		20
Vinyl chloride	ND	10	13	129		13	131		55-140	0		20
Chloroethane	ND	10	16	162	Q	17	166	Q	55-138	6		20
1,1-Dichloroethene	ND	10	9.8	98		9.6	96		61-145	2		20
trans-1,2-Dichloroethene	ND	10	9.9	99		10	103		70-130	1		20
Trichloroethene	ND	10	9.8	98		9.9	99		70-130	1		20
1,2-Dichlorobenzene	ND	10	9.7	97		11	111		70-130	13		20
1,3-Dichlorobenzene	ND	10	9.6	96		9.8	98		70-130	2		20
1,4-Dichlorobenzene	ND	10	9.5	95		9.6	96		70-130	1		20
Methyl tert butyl ether	ND	10	10	106		11	109		63-130	10		20
p/m-Xylene	ND	20	19	97		20	102		70-130	5		20
o-Xylene	ND	20	20	100		18	90		70-130	11		20
cis-1,2-Dichloroethene	ND	10	10	103		10	104		70-130	0		20
Dibromomethane	ND	10	11	107		11	110		70-130	0		20
1,2,3-Trichloropropane	ND	10	12	121		12	119		64-130	0		20
Acrylonitrile	ND	10	12	117		12	121		70-130	0		20
Styrene	ND	20	19	97		18	89		70-130	5		20
Dichlorodifluoromethane	ND	10	7.7	77		7.6	76		36-147	1		20
Acetone	9.1	10	22	132		23	140		58-148	4		20
Carbon disulfide	5.2	10	15	96		15	101		51-130	0		20

Matrix Spike Analysis

Batch Quality Control

Project Name: 285-295 NIAGARA ST SITE

Project Number: 0236-001-102

Lab Number: L1207219

Report Date: 05/02/12

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): 01-07 QC Batch ID: WG532808-4 WG532808-5 QC Sample: L1207219-04 Client ID: MW-04

2-Butanone	2.0J	10	13	129		13	134		63-138	0		20
Vinyl acetate	ND	10	14	144	Q	15	151	Q	70-130	7		20
4-Methyl-2-pentanone	ND	10	11	103		11	108		59-130	0		20
2-Hexanone	2.4J	10	13	133	Q	14	141	Q	57-130	7		20
Bromochloromethane	ND	10	9.9	99		10	102		70-130	1		20
2,2-Dichloropropane	ND	10	9.4	94		9.6	96		63-133	2		20
1,2-Dibromoethane	ND	10	9.8	98		9.7	97		70-130	1		20
1,3-Dichloropropane	ND	10	10	104		9.6	96		70-130	4		20
1,1,1,2-Tetrachloroethane	ND	10	9.6	96		9.7	97		64-130	1		20
Bromobenzene	ND	10	8.5	85		9.7	97		70-130	13		20
n-Butylbenzene	ND	10	10	100		12	117		53-136	18		20
sec-Butylbenzene	ND	10	9.4	94		9.3	93		70-130	1		20
tert-Butylbenzene	ND	10	9.3	94		9.3	93		70-130	0		20
o-Chlorotoluene	ND	10	11	108		9.8	98		70-130	12		20
p-Chlorotoluene	ND	10	10	104		10	100		70-130	0		20
1,2-Dibromo-3-chloropropane	ND	10	11	109		13	128		41-144	17		20
Hexachlorobutadiene	ND	10	7.3	73		8.9	89		63-130	20		20
Isopropylbenzene	ND	10	8.4	84		9.5	95		70-130	12		20
p-Isopropyltoluene	ND	10	9.3	93		9.2	92		70-130	1		20
n-Propylbenzene	ND	10	8.8	88		10	100		69-130	13		20
1,2,3-Trichlorobenzene	ND	10	9.5	95		11	107		70-130	15		20

Matrix Spike Analysis Batch Quality Control

Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1207219

Project Number: 0236-001-102

Report Date: 05/02/12

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): 01-07 QC Batch ID: WG532808-4 WG532808-5 QC Sample: L1207219-04 Client ID: MW-04

1,2,4-Trichlorobenzene	ND	10	9.1	91		11	108		70-130	19		20
1,3,5-Trimethylbenzene	ND	10	10	101		9.8	98		64-130	2		20
1,2,4-Trimethylbenzene	ND	10	11	101		10	96		70-130	10		20
1,4-Diethylbenzene	ND	10	9.3	92		9.3	92		70-130	0		20
4-Ethyltoluene	ND	10	10	95		9.8	93		70-130	2		20
1,2,4,5-Tetramethylbenzene	ND	10	9.2	92		11	108		70-130	18		20
Ethyl ether	ND	10	15	154	Q	16	156	Q	59-134	6		20
trans-1,4-Dichloro-2-butene	ND	10	11	112		11	110		70-130	0		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		118		70-130
4-Bromofluorobenzene	91		102		70-130
Dibromofluoromethane	105		106		70-130
Toluene-d8	99		89		70-130

SEMIVOLATILES

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-01
Client ID: MW-01
Sample Location: 285-295 NIAGARA ST
Matrix: Water
Analytical Method: 1,8270C
Analytical Date: 04/28/12 13:03
Analyst: JB

Date Collected: 04/23/12 17:37
Date Received: 04/25/12
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/27/12 08:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40	1
Hexachlorocyclopentadiene	ND		ug/l	20	2.1	1
Isophorone	ND		ug/l	5.0	0.35	1
Nitrobenzene	ND		ug/l	2.0	0.50	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	0.46	1
Di-n-butylphthalate	ND		ug/l	5.0	0.54	1
Di-n-octylphthalate	ND		ug/l	5.0	0.53	1
Diethyl phthalate	ND		ug/l	5.0	0.45	1
Dimethyl phthalate	ND		ug/l	5.0	0.45	1
Biphenyl	ND		ug/l	2.0	0.50	1
4-Chloroaniline	ND		ug/l	5.0	0.83	1
2-Nitroaniline	ND		ug/l	5.0	0.40	1
3-Nitroaniline	ND		ug/l	5.0	0.59	1
4-Nitroaniline	ND		ug/l	5.0	0.55	1
Dibenzofuran	ND		ug/l	2.0	0.47	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65	1
Acetophenone	ND		ug/l	5.0	0.55	1

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-01

Date Collected: 04/23/12 17:37

Client ID: MW-01

Date Received: 04/25/12

Sample Location: 285-295 NIAGARA ST

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.45	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50	1
2-Chlorophenol	ND		ug/l	2.0	0.34	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.43	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.2	1
2-Nitrophenol	ND		ug/l	10	0.48	1
4-Nitrophenol	ND		ug/l	10	1.2	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59	1
Phenol	ND		ug/l	5.0	0.26	1
2-Methylphenol	ND		ug/l	5.0	0.53	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45	1
Benzoic Acid	13	J	ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.47	1
Carbazole	ND		ug/l	2.0	0.53	1

Tentatively Identified Compounds

Unknown	7.1	J	ug/l			1
Unknown	7.0	J	ug/l			1
Unknown	6.4	J	ug/l			1
Unknown	12	J	ug/l			1
Unknown C7H5NS Isomer	6.4	J	ug/l			1
Unknown Organic Acid	5.8	J	ug/l			1
Unknown Organic Acid	5.0	J	ug/l			1
Unknown	8.3	J	ug/l			1
Unknown	7.5	J	ug/l			1
Unknown	4.5	J	ug/l			1
Unknown	6.7	J	ug/l			1
Sulfur	6.6	J	ug/l			1
Unknown	7.0	J	ug/l			1
Unknown	14	J	ug/l			1
Unknown C13H8O	4.4	J	ug/l			1

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-01

Date Collected: 04/23/12 17:37

Client ID: MW-01

Date Received: 04/25/12

Sample Location: 285-295 NIAGARA ST

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Tentatively Identified Compounds

Cyclic octaatomic sulfur	16	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		21-120
Phenol-d6	34		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	107		10-120
4-Terphenyl-d14	94		41-149

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-01
Client ID: MW-01
Sample Location: 285-295 NIAGARA ST
Matrix: Water
Analytical Method: 1,8270C
Analytical Date: 04/30/12 16:24
Analyst: AS

Date Collected: 04/23/12 17:37
Date Received: 04/25/12
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/27/12 08:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	0.05	J	ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	0.24		ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	0.14	J	ug/l	0.20	0.06	1
Phenanthrene	0.56		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	ND		ug/l	0.20	0.06	1
2-Methylnaphthalene	0.56		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	76		10-120
4-Terphenyl-d14	84		41-149

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-02
Client ID: MW-02
Sample Location: 285-295 NIAGARA ST
Matrix: Water
Analytical Method: 1,8270C
Analytical Date: 04/28/12 13:26
Analyst: JB

Date Collected: 04/23/12 17:00
Date Received: 04/25/12
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/27/12 08:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40	1
Hexachlorocyclopentadiene	ND		ug/l	20	2.1	1
Isophorone	ND		ug/l	5.0	0.35	1
Nitrobenzene	ND		ug/l	2.0	0.50	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39	1
Bis(2-Ethylhexyl)phthalate	1.7	J	ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	0.46	1
Di-n-butylphthalate	1.1	J	ug/l	5.0	0.54	1
Di-n-octylphthalate	ND		ug/l	5.0	0.53	1
Diethyl phthalate	1.3	J	ug/l	5.0	0.45	1
Dimethyl phthalate	ND		ug/l	5.0	0.45	1
Biphenyl	ND		ug/l	2.0	0.50	1
4-Chloroaniline	ND		ug/l	5.0	0.83	1
2-Nitroaniline	ND		ug/l	5.0	0.40	1
3-Nitroaniline	ND		ug/l	5.0	0.59	1
4-Nitroaniline	ND		ug/l	5.0	0.55	1
Dibenzofuran	ND		ug/l	2.0	0.47	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65	1
Acetophenone	ND		ug/l	5.0	0.55	1

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-02

Date Collected: 04/23/12 17:00

Client ID: MW-02

Date Received: 04/25/12

Sample Location: 285-295 NIAGARA ST

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.45	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50	1
2-Chlorophenol	ND		ug/l	2.0	0.34	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.43	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.2	1
2-Nitrophenol	ND		ug/l	10	0.48	1
4-Nitrophenol	ND		ug/l	10	1.2	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59	1
Phenol	ND		ug/l	5.0	0.26	1
2-Methylphenol	ND		ug/l	5.0	0.53	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.47	1
Carbazole	ND		ug/l	2.0	0.53	1

Tentatively Identified Compounds

Unknown	14	J	ug/l			1
Unknown	12	J	ug/l			1
Unknown	15	J	ug/l			1
Unknown Substituted Benzene	23	J	ug/l			1
Unknown Substituted Benzene	30	J	ug/l			1
Unknown	38	J	ug/l			1
Unknown	8.7	J	ug/l			1
Unknown C9H10 Isomer	9.2	J	ug/l			1
Unknown Substituted Benzene	15	J	ug/l			1
Unknown	9.0	J	ug/l			1
Unknown Substituted Benzene	11	J	ug/l			1
Unknown	8.3	J	ug/l			1
Unknown Substituted Benzene	12	J	ug/l			1
Unknown Substituted Benzene	9.8	J	ug/l			1
Unknown Substituted Benzene	11	J	ug/l			1

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-02

Date Collected: 04/23/12 17:00

Client ID: MW-02

Date Received: 04/25/12

Sample Location: 285-295 NIAGARA ST

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Tentatively Identified Compounds

Unknown	8.3	J	ug/l	1
Unknown C8H6O2	12	J	ug/l	1
Unknown	7.4	J	ug/l	1
Unknown Substituted Phenol	8.7	J	ug/l	1
Cyclic octaatomic sulfur	13	J	ug/l	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		21-120
Phenol-d6	44		10-120
Nitrobenzene-d5	110		23-120
2-Fluorobiphenyl	101		15-120
2,4,6-Tribromophenol	124	Q	10-120
4-Terphenyl-d14	110		41-149

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-02
Client ID: MW-02
Sample Location: 285-295 NIAGARA ST
Matrix: Water
Analytical Method: 1,8270C
Analytical Date: 04/30/12 16:52
Analyst: AS

Date Collected: 04/23/12 17:00
Date Received: 04/25/12
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/27/12 08:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	ND		ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	0.06	J	ug/l	0.20	0.06	1
Phenanthrene	ND		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	ND		ug/l	0.20	0.06	1
2-Methylnaphthalene	ND		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		21-120
Phenol-d6	41		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	64		10-120
4-Terphenyl-d14	88		41-149

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-03
Client ID: MW-03
Sample Location: 285-295 NIAGARA ST
Matrix: Water
Analytical Method: 1,8270C
Analytical Date: 04/28/12 13:48
Analyst: JB

Date Collected: 04/23/12 15:17
Date Received: 04/25/12
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/27/12 08:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40	1
Hexachlorocyclopentadiene	ND		ug/l	20	2.1	1
Isophorone	ND		ug/l	5.0	0.35	1
Nitrobenzene	ND		ug/l	2.0	0.50	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	0.46	1
Di-n-butylphthalate	ND		ug/l	5.0	0.54	1
Di-n-octylphthalate	ND		ug/l	5.0	0.53	1
Diethyl phthalate	ND		ug/l	5.0	0.45	1
Dimethyl phthalate	ND		ug/l	5.0	0.45	1
Biphenyl	ND		ug/l	2.0	0.50	1
4-Chloroaniline	ND		ug/l	5.0	0.83	1
2-Nitroaniline	ND		ug/l	5.0	0.40	1
3-Nitroaniline	ND		ug/l	5.0	0.59	1
4-Nitroaniline	ND		ug/l	5.0	0.55	1
Dibenzofuran	ND		ug/l	2.0	0.47	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65	1
Acetophenone	2.1	J	ug/l	5.0	0.55	1

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-03

Date Collected: 04/23/12 15:17

Client ID: MW-03

Date Received: 04/25/12

Sample Location: 285-295 NIAGARA ST

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.45	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50	1
2-Chlorophenol	ND		ug/l	2.0	0.34	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.43	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.2	1
2-Nitrophenol	ND		ug/l	10	0.48	1
4-Nitrophenol	ND		ug/l	10	1.2	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59	1
Phenol	ND		ug/l	5.0	0.26	1
2-Methylphenol	ND		ug/l	5.0	0.53	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45	1
Benzoic Acid	15	J	ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.47	1
Carbazole	ND		ug/l	2.0	0.53	1

Tentatively Identified Compounds

Unknown	7.0	J	ug/l			1
Unknown	4.8	J	ug/l			1
Unknown C7H12O2	7.8	J	ug/l			1
Unknown Organic Acid	18	J	ug/l			1
Unknown C7H5NS Isomer	6.3	J	ug/l			1
Unknown C8H6O2 Isomer	4.9	J	ug/l			1
Unknown	9.8	J	ug/l			1
Unknown Organic Acid	4.8	J	ug/l			1
Unknown C9H8O	4.4	J	ug/l			1
Unknown C8H4O3	6.3	J	ug/l			1
Unknown	4.5	J	ug/l			1
Unknown	4.3	J	ug/l			1
Unknown C8H6O2 Isomer	8.9	J	ug/l			1
Unknown	6.1	J	ug/l			1
Unknown	6.9	J	ug/l			1

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-03

Date Collected: 04/23/12 15:17

Client ID: MW-03

Date Received: 04/25/12

Sample Location: 285-295 NIAGARA ST

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Tentatively Identified Compounds

Unknown Substituted Phenol	8.0	J	ug/l			1
Unknown	7.8	J	ug/l			1
Unknown	9.7	J	ug/l			1
Cyclic octaatomic sulfur	9.8	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		21-120
Phenol-d6	32		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	100		10-120
4-Terphenyl-d14	91		41-149

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-03
Client ID: MW-03
Sample Location: 285-295 NIAGARA ST
Matrix: Water
Analytical Method: 1,8270C
Analytical Date: 04/30/12 17:19
Analyst: AS

Date Collected: 04/23/12 15:17
Date Received: 04/25/12
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/27/12 08:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	0.33		ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	0.18	J	ug/l	0.20	0.06	1
Phenanthrene	0.59		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	ND		ug/l	0.20	0.06	1
2-Methylnaphthalene	0.68		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		21-120
Phenol-d6	38		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	83		10-120
4-Terphenyl-d14	82		41-149

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-04
Client ID: MW-04
Sample Location: 285-295 NIAGARA ST
Matrix: Water
Analytical Method: 1,8270C
Analytical Date: 04/28/12 14:11
Analyst: JB

Date Collected: 04/23/12 13:57
Date Received: 04/25/12
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/27/12 08:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40	1
Hexachlorocyclopentadiene	ND		ug/l	20	2.1	1
Isophorone	ND		ug/l	5.0	0.35	1
Nitrobenzene	ND		ug/l	2.0	0.50	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	0.46	1
Di-n-butylphthalate	ND		ug/l	5.0	0.54	1
Di-n-octylphthalate	ND		ug/l	5.0	0.53	1
Diethyl phthalate	ND		ug/l	5.0	0.45	1
Dimethyl phthalate	ND		ug/l	5.0	0.45	1
Biphenyl	ND		ug/l	2.0	0.50	1
4-Chloroaniline	ND		ug/l	5.0	0.83	1
2-Nitroaniline	ND		ug/l	5.0	0.40	1
3-Nitroaniline	ND		ug/l	5.0	0.59	1
4-Nitroaniline	ND		ug/l	5.0	0.55	1
Dibenzofuran	ND		ug/l	2.0	0.47	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65	1
Acetophenone	2.1	J	ug/l	5.0	0.55	1

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-04

Date Collected: 04/23/12 13:57

Client ID: MW-04

Date Received: 04/25/12

Sample Location: 285-295 NIAGARA ST

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.45	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50	1
2-Chlorophenol	ND		ug/l	2.0	0.34	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.43	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.2	1
2-Nitrophenol	ND		ug/l	10	0.48	1
4-Nitrophenol	ND		ug/l	10	1.2	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59	1
Phenol	ND		ug/l	5.0	0.26	1
2-Methylphenol	ND		ug/l	5.0	0.53	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45	1
Benzoic Acid	12	J	ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.47	1
Carbazole	ND		ug/l	2.0	0.53	1

Tentatively Identified Compounds

Unknown	8.1	J	ug/l			1
Unknown	8.5	J	ug/l			1
Unknown	7.9	J	ug/l			1
Unknown	6.6	J	ug/l			1
Unknown	6.7	J	ug/l			1
Unknown	13	J	ug/l			1
Unknown C7H5NS Isomer	5.8	J	ug/l			1
Unknown C8H9N	4.1	J	ug/l			1
Unknown	7.7	J	ug/l			1
Unknown Organic Acid	5.7	J	ug/l			1
Unknown	7.9	J	ug/l			1
Unknown C8H6O2 Isomer	7.6	J	ug/l			1
Unknown	4.8	J	ug/l			1
Unknown	7.5	J	ug/l			1
Unknown Substituted Phenol	8.3	J	ug/l			1

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-04

Date Collected: 04/23/12 13:57

Client ID: MW-04

Date Received: 04/25/12

Sample Location: 285-295 NIAGARA ST

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Tentatively Identified Compounds

Unknown	7.2	J	ug/l			1
Unknown	12	J	ug/l			1
Cyclic octaatomic sulfur	7.3	J	ug/l			1
Unknown	9.9	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		21-120
Phenol-d6	39		10-120
Nitrobenzene-d5	98		23-120
2-Fluorobiphenyl	89		15-120
2,4,6-Tribromophenol	118		10-120
4-Terphenyl-d14	105		41-149

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-04
Client ID: MW-04
Sample Location: 285-295 NIAGARA ST
Matrix: Water
Analytical Method: 1,8270C
Analytical Date: 04/30/12 17:46
Analyst: AS

Date Collected: 04/23/12 13:57
Date Received: 04/25/12
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/27/12 08:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	0.21		ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	0.20		ug/l	0.20	0.06	1
Phenanthrene	0.69		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	ND		ug/l	0.20	0.06	1
2-Methylnaphthalene	0.53		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	38		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	73		10-120
4-Terphenyl-d14	77		41-149

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-05
Client ID: MW-05
Sample Location: 285-295 NIAGARA ST
Matrix: Water
Analytical Method: 1,8270C
Analytical Date: 04/28/12 14:34
Analyst: JB

Date Collected: 04/23/12 16:22
Date Received: 04/25/12
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/27/12 08:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	4.8	0.64	1
Bis(2-chloroethyl)ether	ND		ug/l	1.9	0.37	1
1,2-Dichlorobenzene	ND		ug/l	1.9	0.52	1
1,3-Dichlorobenzene	ND		ug/l	1.9	0.52	1
1,4-Dichlorobenzene	ND		ug/l	1.9	0.52	1
3,3'-Dichlorobenzidine	ND		ug/l	4.8	0.81	1
2,4-Dinitrotoluene	ND		ug/l	4.8	0.42	1
2,6-Dinitrotoluene	ND		ug/l	4.8	0.44	1
4-Chlorophenyl phenyl ether	ND		ug/l	1.9	0.58	1
4-Bromophenyl phenyl ether	ND		ug/l	1.9	0.64	1
Bis(2-chloroisopropyl)ether	ND		ug/l	1.9	0.48	1
Bis(2-chloroethoxy)methane	ND		ug/l	4.8	0.38	1
Hexachlorocyclopentadiene	ND		ug/l	19	2.0	1
Isophorone	ND		ug/l	4.8	0.33	1
Nitrobenzene	ND		ug/l	1.9	0.48	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	1.9	0.67	1
n-Nitrosodi-n-propylamine	ND		ug/l	4.8	0.37	1
Bis(2-Ethylhexyl)phthalate	1.3	J	ug/l	2.8	1.3	1
Butyl benzyl phthalate	ND		ug/l	4.8	0.44	1
Di-n-butylphthalate	ND		ug/l	4.8	0.52	1
Di-n-octylphthalate	ND		ug/l	4.8	0.51	1
Diethyl phthalate	ND		ug/l	4.8	0.43	1
Dimethyl phthalate	ND		ug/l	4.8	0.43	1
Biphenyl	ND		ug/l	1.9	0.48	1
4-Chloroaniline	ND		ug/l	4.8	0.79	1
2-Nitroaniline	ND		ug/l	4.8	0.38	1
3-Nitroaniline	ND		ug/l	4.8	0.56	1
4-Nitroaniline	ND		ug/l	4.8	0.52	1
Dibenzofuran	ND		ug/l	1.9	0.45	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	9.5	0.62	1
Acetophenone	ND		ug/l	4.8	0.52	1

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-05

Date Collected: 04/23/12 16:22

Client ID: MW-05

Date Received: 04/25/12

Sample Location: 285-295 NIAGARA ST

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	4.8	0.43	1
P-Chloro-M-Cresol	ND		ug/l	1.9	0.48	1
2-Chlorophenol	ND		ug/l	1.9	0.32	1
2,4-Dichlorophenol	ND		ug/l	4.8	0.41	1
2,4-Dimethylphenol	ND		ug/l	4.8	1.2	1
2-Nitrophenol	ND		ug/l	9.5	0.45	1
4-Nitrophenol	ND		ug/l	9.5	1.2	1
2,4-Dinitrophenol	ND		ug/l	19	1.3	1
4,6-Dinitro-o-cresol	ND		ug/l	9.5	0.56	1
Phenol	ND		ug/l	4.8	0.25	1
2-Methylphenol	ND		ug/l	4.8	0.50	1
3-Methylphenol/4-Methylphenol	ND		ug/l	4.8	0.45	1
2,4,5-Trichlorophenol	ND		ug/l	4.8	0.42	1
Benzoic Acid	3.2	J	ug/l	48	0.96	1
Benzyl Alcohol	ND		ug/l	1.9	0.45	1
Carbazole	ND		ug/l	1.9	0.50	1

Tentatively Identified Compounds

Unknown	3.8	J	ug/l			1
Unknown	6.2	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		21-120
Phenol-d6	36		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	90		10-120
4-Terphenyl-d14	86		41-149

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-05
Client ID: MW-05
Sample Location: 285-295 NIAGARA ST
Matrix: Water
Analytical Method: 1,8270C
Analytical Date: 04/30/12 18:14
Analyst: AS

Date Collected: 04/23/12 16:22
Date Received: 04/25/12
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/27/12 08:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.09	J	ug/l	0.19	0.06	1
2-Chloronaphthalene	ND		ug/l	0.19	0.06	1
Fluoranthene	0.21		ug/l	0.19	0.04	1
Hexachlorobutadiene	ND		ug/l	0.48	0.07	1
Naphthalene	0.11	J	ug/l	0.19	0.06	1
Benzo(a)anthracene	0.08	J	ug/l	0.19	0.05	1
Benzo(a)pyrene	ND		ug/l	0.19	0.07	1
Benzo(b)fluoranthene	0.14	J	ug/l	0.19	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.19	0.07	1
Chrysene	0.09	J	ug/l	0.19	0.05	1
Acenaphthylene	ND		ug/l	0.19	0.05	1
Anthracene	ND		ug/l	0.19	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.19	0.07	1
Fluorene	0.05	J	ug/l	0.19	0.05	1
Phenanthrene	0.19		ug/l	0.19	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.19	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.19	0.08	1
Pyrene	0.17	J	ug/l	0.19	0.05	1
2-Methylnaphthalene	ND		ug/l	0.19	0.06	1
Pentachlorophenol	ND		ug/l	0.76	0.18	1
Hexachlorobenzene	ND		ug/l	0.76	0.01	1
Hexachloroethane	ND		ug/l	0.76	0.06	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	86		10-120
4-Terphenyl-d14	80		41-149

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-06
Client ID: BLIND
Sample Location: 285-295 NIAGARA ST
Matrix: Water
Analytical Method: 1,8270C
Analytical Date: 04/28/12 14:57
Analyst: JB

Date Collected: 04/23/12 08:00
Date Received: 04/25/12
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/27/12 08:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40	1
Hexachlorocyclopentadiene	ND		ug/l	20	2.1	1
Isophorone	ND		ug/l	5.0	0.35	1
Nitrobenzene	ND		ug/l	2.0	0.50	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	0.46	1
Di-n-butylphthalate	ND		ug/l	5.0	0.54	1
Di-n-octylphthalate	ND		ug/l	5.0	0.53	1
Diethyl phthalate	ND		ug/l	5.0	0.45	1
Dimethyl phthalate	ND		ug/l	5.0	0.45	1
Biphenyl	ND		ug/l	2.0	0.50	1
4-Chloroaniline	ND		ug/l	5.0	0.83	1
2-Nitroaniline	ND		ug/l	5.0	0.40	1
3-Nitroaniline	ND		ug/l	5.0	0.59	1
4-Nitroaniline	ND		ug/l	5.0	0.55	1
Dibenzofuran	ND		ug/l	2.0	0.47	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65	1
Acetophenone	1.9	J	ug/l	5.0	0.55	1

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-06

Date Collected: 04/23/12 08:00

Client ID: BLIND

Date Received: 04/25/12

Sample Location: 285-295 NIAGARA ST

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.45	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50	1
2-Chlorophenol	ND		ug/l	2.0	0.34	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.43	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.2	1
2-Nitrophenol	ND		ug/l	10	0.48	1
4-Nitrophenol	ND		ug/l	10	1.2	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59	1
Phenol	ND		ug/l	5.0	0.26	1
2-Methylphenol	ND		ug/l	5.0	0.53	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45	1
Benzoic Acid	13	J	ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.47	1
Carbazole	ND		ug/l	2.0	0.53	1

Tentatively Identified Compounds

Unknown	12	J	ug/l			1
Unknown	12	J	ug/l			1
Unknown	12	J	ug/l			1
Unknown	7.8	J	ug/l			1
Unknown	7.0	J	ug/l			1
Unknown Organic Acid	16	J	ug/l			1
Unknown C7H5NS Isomer	5.0	J	ug/l			1
Unknown	7.2	J	ug/l			1
Unknown Organic Acid	4.7	J	ug/l			1
Unknown C9H8O	4.2	J	ug/l			1
Unknown	5.8	J	ug/l			1
Unknown C8H6O2 Isomer	8.9	J	ug/l			1
Unknown	4.7	J	ug/l			1
Unknown	6.8	J	ug/l			1
Unknown Substituted Phenol	7.4	J	ug/l			1

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-06

Date Collected: 04/23/12 08:00

Client ID: BLIND

Date Received: 04/25/12

Sample Location: 285-295 NIAGARA ST

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Tentatively Identified Compounds

Unknown	8.0	J	ug/l	1
Unknown	10	J	ug/l	1
Unknown C13H8O	6.3	J	ug/l	1
Cyclic octaatomic sulfur	7.7	J	ug/l	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	98		10-120
4-Terphenyl-d14	87		41-149

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-06
Client ID: BLIND
Sample Location: 285-295 NIAGARA ST
Matrix: Water
Analytical Method: 1,8270C
Analytical Date: 04/30/12 18:41
Analyst: AS

Date Collected: 04/23/12 08:00
Date Received: 04/25/12
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/27/12 08:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	0.25		ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	0.17	J	ug/l	0.20	0.06	1
Phenanthrene	0.60		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	ND		ug/l	0.20	0.06	1
2-Methylnaphthalene	0.61		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	70		10-120
4-Terphenyl-d14	84		41-149

Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1207219

Project Number: 0236-001-102

Report Date: 05/02/12

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270C
 Analytical Date: 04/28/12 11:09
 Analyst: JB

Extraction Method: EPA 3510C
 Extraction Date: 04/27/12 08:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG532033-1					
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40
Hexachlorocyclopentadiene	ND		ug/l	20	2.1
Isophorone	ND		ug/l	5.0	0.35
Nitrobenzene	ND		ug/l	2.0	0.50
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	1.4
Butyl benzyl phthalate	ND		ug/l	5.0	0.46
Di-n-butylphthalate	ND		ug/l	5.0	0.54
Di-n-octylphthalate	ND		ug/l	5.0	0.53
Diethyl phthalate	ND		ug/l	5.0	0.45
Dimethyl phthalate	ND		ug/l	5.0	0.45
Biphenyl	ND		ug/l	2.0	0.50
4-Chloroaniline	ND		ug/l	5.0	0.83
2-Nitroaniline	ND		ug/l	5.0	0.40
3-Nitroaniline	ND		ug/l	5.0	0.59
4-Nitroaniline	ND		ug/l	5.0	0.55
Dibenzofuran	ND		ug/l	2.0	0.47
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65
Acetophenone	ND		ug/l	5.0	0.55

Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1207219

Project Number: 0236-001-102

Report Date: 05/02/12

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270C
 Analytical Date: 04/28/12 11:09
 Analyst: JB

Extraction Method: EPA 3510C
 Extraction Date: 04/27/12 08:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG532033-1					
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.45
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50
2-Chlorophenol	ND		ug/l	2.0	0.34
2,4-Dichlorophenol	ND		ug/l	5.0	0.43
2,4-Dimethylphenol	ND		ug/l	5.0	1.2
2-Nitrophenol	ND		ug/l	10	0.48
4-Nitrophenol	ND		ug/l	10	1.2
2,4-Dinitrophenol	ND		ug/l	20	1.4
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59
Phenol	ND		ug/l	5.0	0.26
2-Methylphenol	ND		ug/l	5.0	0.53
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45
Benzoic Acid	ND		ug/l	50	1.0
Benzyl Alcohol	ND		ug/l	2.0	0.47
Carbazole	ND		ug/l	2.0	0.53

Tentatively Identified Compounds

Unknown	3.7	J	ug/l

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
 Analytical Date: 04/28/12 11:09
 Analyst: JB

Extraction Method: EPA 3510C
 Extraction Date: 04/27/12 08:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG532033-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	76		10-120
4-Terphenyl-d14	82		41-149

Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1207219

Project Number: 0236-001-102

Report Date: 05/02/12

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270C
 Analytical Date: 04/30/12 13:43
 Analyst: AS

Extraction Method: EPA 3510C
 Extraction Date: 04/27/12 08:18

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-06 Batch: WG532034-1					
Acenaphthene	ND		ug/l	0.20	0.06
2-Chloronaphthalene	ND		ug/l	0.20	0.07
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.07
Naphthalene	ND		ug/l	0.20	0.06
Benzo(a)anthracene	ND		ug/l	0.20	0.06
Benzo(a)pyrene	ND		ug/l	0.20	0.07
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07
Chrysene	ND		ug/l	0.20	0.05
Acenaphthylene	ND		ug/l	0.20	0.05
Anthracene	ND		ug/l	0.20	0.06
Benzo(ghi)perylene	ND		ug/l	0.20	0.07
Fluorene	ND		ug/l	0.20	0.06
Phenanthrene	ND		ug/l	0.20	0.06
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08
Pyrene	ND		ug/l	0.20	0.06
2-Methylnaphthalene	ND		ug/l	0.20	0.06
Pentachlorophenol	ND		ug/l	0.80	0.19
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.07

Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1207219

Project Number: 0236-001-102

Report Date: 05/02/12

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270C
 Analytical Date: 04/30/12 13:43
 Analyst: AS

Extraction Method: EPA 3510C
 Extraction Date: 04/27/12 08:18

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-06 Batch: WG532034-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		21-120
Phenol-d6	36		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	92		10-120
4-Terphenyl-d14	90		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285-295 NIAGARA ST SITE

Project Number: 0236-001-102

Lab Number: L1207219

Report Date: 05/02/12

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 Batch: WG532033-2 WG532033-3								
1,2,4-Trichlorobenzene	57		86		39-98	41	Q	30
Bis(2-chloroethyl)ether	52		79		40-140	41	Q	30
1,2-Dichlorobenzene	55		84		40-140	42	Q	30
1,3-Dichlorobenzene	51		77		40-140	41	Q	30
1,4-Dichlorobenzene	53		78		36-97	38	Q	30
3,3'-Dichlorobenzidine	61		70		40-140	14		30
2,4-Dinitrotoluene	83		101	Q	24-96	20		30
2,6-Dinitrotoluene	79		100		40-140	23		30
4-Chlorophenyl phenyl ether	75		94		40-140	22		30
4-Bromophenyl phenyl ether	83		100		40-140	19		30
Bis(2-chloroisopropyl)ether	56		85		40-140	41	Q	30
Bis(2-chloroethoxy)methane	57		84		40-140	38	Q	30
Hexachlorocyclopentadiene	66		95		40-140	36	Q	30
Isophorone	62		90		40-140	37	Q	30
Nitrobenzene	61		94		40-140	43	Q	30
NitrosoDiPhenylAmine(NDPA)/DPA	71		86		40-140	19		30
n-Nitrosodi-n-propylamine	59		92		29-132	44	Q	30
Bis(2-Ethylhexyl)phthalate	86		106		40-140	21		30
Butyl benzyl phthalate	82		100		40-140	20		30
Di-n-butylphthalate	84		104		40-140	21		30
Di-n-octylphthalate	86		106		40-140	21		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 285-295 NIAGARA ST SITE

Project Number: 0236-001-102

Lab Number: L1207219

Report Date: 05/02/12

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 Batch: WG532033-2 WG532033-3								
Diethyl phthalate	85		103		40-140	19		30
Dimethyl phthalate	81		98		40-140	19		30
Biphenyl	69		95			32	Q	30
4-Chloroaniline	58		81		40-140	33	Q	30
2-Nitroaniline	78		104		52-143	29		30
3-Nitroaniline	70		87		25-145	22		30
4-Nitroaniline	72		88		51-143	20		30
Dibenzofuran	70		91		40-140	26		30
1,2,4,5-Tetrachlorobenzene	63		89		2-134	34	Q	30
Acetophenone	67		98		39-129	38	Q	30
2,4,6-Trichlorophenol	78		103		30-130	28		30
P-Chloro-M-Cresol	80		105	Q	23-97	27		30
2-Chlorophenol	60		89		27-123	39	Q	30
2,4-Dichlorophenol	68		103		30-130	41	Q	30
2,4-Dimethylphenol	66		93		30-130	34	Q	30
2-Nitrophenol	61		92		30-130	41	Q	30
4-Nitrophenol	52		68		10-80	27		30
2,4-Dinitrophenol	61		78		20-130	24		30
4,6-Dinitro-o-cresol	81		99		20-164	20		30
Phenol	28		40		12-110	35	Q	30
2-Methylphenol	52		81		30-130	44	Q	30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1207219

Project Number: 0236-001-102

Report Date: 05/02/12

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 Batch: WG532033-2 WG532033-3								
3-Methylphenol/4-Methylphenol	52		76		30-130	38	Q	30
2,4,5-Trichlorophenol	86		108		30-130	23		30
Benzoic Acid	10		19			62	Q	30
Benzyl Alcohol	55		81			38	Q	30
Carbazole	77		94		55-144	20		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	40		58		21-120
Phenol-d6	29		43		10-120
Nitrobenzene-d5	65		95		23-120
2-Fluorobiphenyl	67		98		15-120
2,4,6-Tribromophenol	87		110		10-120
4-Terphenyl-d14	84		104		41-149

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1207219

Project Number: 0236-001-102

Report Date: 05/02/12

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 Batch: WG532034-2 WG532034-3								
Acenaphthene	74		69		37-111	7		40
2-Chloronaphthalene	90		80		40-140	12		40
Fluoranthene	87		87		40-140	0		40
Hexachlorobutadiene	77		70		40-140	10		40
Naphthalene	81		71		40-140	13		40
Benzo(a)anthracene	89		89		40-140	0		40
Benzo(a)pyrene	72		70		40-140	3		40
Benzo(b)fluoranthene	79		77		40-140	3		40
Benzo(k)fluoranthene	80		76		40-140	5		40
Chrysene	79		77		40-140	3		40
Acenaphthylene	98		87		40-140	12		40
Anthracene	85		80		40-140	6		40
Benzo(ghi)perylene	78		76		40-140	3		40
Fluorene	78		73		40-140	7		40
Phenanthrene	81		78		40-140	4		40
Dibenzo(a,h)anthracene	80		78		40-140	3		40
Indeno(1,2,3-cd)Pyrene	76		74		40-140	3		40
Pyrene	85		81		26-127	5		40
2-Methylnaphthalene	85		72		40-140	17		40
Pentachlorophenol	77		84		9-103	9		40
Hexachlorobenzene	79		76		40-140	4		40

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12

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 Batch: WG532034-2 WG532034-3								
Hexachloroethane	77		69		40-140	11		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	55		48		21-120
Phenol-d6	39		35		10-120
Nitrobenzene-d5	82		74		23-120
2-Fluorobiphenyl	75		69		15-120
2,4,6-Tribromophenol	96		92		10-120
4-Terphenyl-d14	83		84		41-149

Matrix Spike Analysis

Batch Quality Control

Project Name: 285-295 NIAGARA ST SITE

Project Number: 0236-001-102

Lab Number: L1207219

Report Date: 05/02/12

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 QC Batch ID: WG532033-4 WG532033-5 QC Sample: L1207219-04 Client ID: MW-04												
1,2,4-Trichlorobenzene	ND	40	31	78		34	85		39-98	9		30
Bis(2-chloroethyl)ether	ND	40	29	73		32	80		40-140	10		30
1,2-Dichlorobenzene	ND	40	29	73		31	78		40-140	7		30
1,3-Dichlorobenzene	ND	40	27	68		29	73		40-140	7		30
1,4-Dichlorobenzene	ND	40	28	70		30	75		36-97	7		30
3,3'-Dichlorobenzidine	ND	80	12	15	Q	2.7J	3	Q	40-140	127	Q	30
2,4-Dinitrotoluene	ND	40	36	90		40	100	Q	24-96	11		30
2,6-Dinitrotoluene	ND	40	35	88		38	95		40-140	8		30
4-Chlorophenyl phenyl ether	ND	40	34	85		39	98		40-140	14		30
4-Bromophenyl phenyl ether	ND	40	36	90		40	100		40-140	11		30
Bis(2-chloroisopropyl)ether	ND	40	31	78		32	80		40-140	3		30
Bis(2-chloroethoxy)methane	ND	40	30	75		32	80		40-140	6		30
Hexachlorocyclopentadiene	ND	40	37	93		42	110		40-140	13		30
Isophorone	ND	40	31	78		35	88		40-140	12		30
Nitrobenzene	ND	40	34	85		40	100		40-140	16		30
NitrosoDiPhenylAmine(NDPA)/DPA	ND	80	62	78		69	86		40-140	11		30
n-Nitrosodi-n-propylamine	ND	40	32	80		35	88		29-132	9		30
Bis(2-Ethylhexyl)phthalate	ND	40	36	90		40	100		40-140	11		30
Butyl benzyl phthalate	ND	40	36	90		39	98		40-140	8		30
Di-n-butylphthalate	ND	40	36	90		40	100		40-140	11		30
Di-n-octylphthalate	ND	40	36	90		42	110		40-140	15		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 285-295 NIAGARA ST SITE

Project Number: 0236-001-102

Lab Number: L1207219

Report Date: 05/02/12

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 QC Batch ID: WG532033-4 WG532033-5 QC Sample: L1207219-04 Client ID: MW-04												
Diethyl phthalate	ND	40	37	93		41	100		40-140	10		30
Dimethyl phthalate	ND	40	35	88		40	100		40-140	13		30
Biphenyl	ND	40	34	85		41	100			19		30
4-Chloroaniline	ND	40	22	55		21	53		40-140	5		30
2-Nitroaniline	ND	40	36	90		38	95		52-143	5		30
3-Nitroaniline	ND	40	21	53		20	50		25-145	5		30
4-Nitroaniline	ND	40	29	73		25	63		51-143	15		30
Dibenzofuran	ND	40	32	80		36	90		40-140	12		30
1,2,4,5-Tetrachlorobenzene	ND	40	33	83		37	93		2-134	11		30
Acetophenone	2.1J	80	72	90		78	98		39-129	8		30
2,4,6-Trichlorophenol	ND	40	38	95		41	100		30-130	8		30
P-Chloro-M-Cresol	ND	40	38	95		42	110	Q	23-97	10		30
2-Chlorophenol	ND	40	31	78		34	85		27-123	9		30
2,4-Dichlorophenol	ND	40	38	95		41	100		30-130	8		30
2,4-Dimethylphenol	ND	40	35	88		37	93		30-130	6		30
2-Nitrophenol	ND	40	34	85		36	90		30-130	6		30
4-Nitrophenol	ND	40	29	73		33	83	Q	10-80	13		30
2,4-Dinitrophenol	ND	40	32	80		37	93		20-130	14		30
4,6-Dinitro-o-cresol	ND	40	33	83		37	93		20-164	11		30
Phenol	ND	40	14	35		15	38		12-110	7		30
2-Methylphenol	ND	40	29	73		30	75		30-130	3		30

Matrix Spike Analysis**Batch Quality Control****Project Name:** 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12

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 QC Batch ID: WG532033-4 WG532033-5 QC Sample: L1207219-04
Client ID: MW-04

3-Methylphenol/4-Methylphenol	ND	40	27	68		30	75		30-130	11		30
2,4,5-Trichlorophenol	ND	40	40	100		43	110		30-130	7		30
Benzoic Acid	12.J	40	27.J	68		32.J	80			17		30
Benzyl Alcohol	ND	40	30	75		32	80			6		30
Carbazole	ND	40	33	83		37	93		55-144	11		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	96		105		10-120
2-Fluorobiphenyl	84		91		15-120
2-Fluorophenol	53		56		21-120
4-Terphenyl-d14	89		98		41-149
Nitrobenzene-d5	86		92		23-120
Phenol-d6	37		39		10-120

Matrix Spike Analysis

Batch Quality Control

Project Name: 285-295 NIAGARA ST SITE

Project Number: 0236-001-102

Lab Number: L1207219

Report Date: 05/02/12

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 QC Batch ID: WG532034-4 WG532034-5 QC Sample: L1207219-04
Client ID: MW-04

Acenaphthene	ND	10	7.3	73		6.7	67		37-111	9		40
2-Chloronaphthalene	ND	10	9.3	93		8.2	82		40-140	13		40
Fluoranthene	ND	10	8.8	88		8.0	80		40-140	10		40
Hexachlorobutadiene	ND	10	7.1	71		7.1	71		40-140	0		40
Naphthalene	0.21	10	7.6	74		7.7	75		40-140	1		40
Benzo(a)anthracene	ND	10	9.5	95		8.7	87		40-140	9		40
Benzo(a)pyrene	ND	10	7.3	73		6.9	69		40-140	6		40
Benzo(b)fluoranthene	ND	10	8.8	88		8.0	80		40-140	10		40
Benzo(k)fluoranthene	ND	10	7.5	75		7.0	70		40-140	7		40
Chrysene	ND	10	8.6	86		7.7	77		40-140	11		40
Acenaphthylene	ND	10	9.4	94		8.7	87		40-140	8		40
Anthracene	ND	10	7.6	76		6.6	66		40-140	14		40
Benzo(ghi)perylene	ND	10	8.6	86		8.2	82		40-140	5		40
Fluorene	0.20	10	6.8	68		6.6	66		40-140	3		40
Phenanthrene	0.69	10	7.9	72		6.8	61		40-140	15		40
Dibenzo(a,h)anthracene	ND	10	8.7	87		7.9	79		40-140	10		40
Indeno(1,2,3-cd)Pyrene	ND	10	8.3	83		7.7	77		40-140	8		40
Pyrene	ND	10	8.8	88		7.9	79		26-127	11		40
2-Methylnaphthalene	0.53	10	8.2	77		7.7	72		40-140	6		40
Pentachlorophenol	ND	10	9.5	95		8.4	84		9-103	12		40
Hexachlorobenzene	ND	10	8.7	87		7.9	79		40-140	10		40

Matrix Spike Analysis

Batch Quality Control

Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1207219

Project Number: 0236-001-102

Report Date: 05/02/12

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 QC Batch ID: WG532034-4 WG532034-5 QC Sample: L1207219-04

Client ID: MW-04

Hexachloroethane	ND	10	7.1	71		6.9	69		40-140	3		40

Surrogate	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
2,4,6-Tribromophenol	83		80		10-120
2-Fluorobiphenyl	78		72		15-120
2-Fluorophenol	52		51		21-120
4-Terphenyl-d14	87		80		41-149
Nitrobenzene-d5	80		77		23-120
Phenol-d6	42		40		10-120

PCBS

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-01
Client ID: MW-01
Sample Location: 285-295 NIAGARA ST
Matrix: Water
Analytical Method: 1,8082
Analytical Date: 04/30/12 19:11
Analyst: KB

Date Collected: 04/23/12 17:37
Date Received: 04/25/12
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/29/12 20:29
Cleanup Method1: EPA 3665A
Cleanup Date1: 04/30/12
Cleanup Method2: EPA 3660B
Cleanup Date2: 04/30/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/l	0.083	0.055	1
Aroclor 1221	ND		ug/l	0.083	0.053	1
Aroclor 1232	ND		ug/l	0.083	0.031	1
Aroclor 1242	ND		ug/l	0.083	0.060	1
Aroclor 1248	ND		ug/l	0.083	0.051	1
Aroclor 1254	ND		ug/l	0.083	0.034	1
Aroclor 1260	ND		ug/l	0.083	0.032	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	72		30-150
Decachlorobiphenyl	56		30-150
2,4,5,6-Tetrachloro-m-xylene	77		30-150
Decachlorobiphenyl	52		30-150

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-02
Client ID: MW-02
Sample Location: 285-295 NIAGARA ST
Matrix: Water
Analytical Method: 1,8082
Analytical Date: 05/01/12 11:12
Analyst: KB

Date Collected: 04/23/12 17:00
Date Received: 04/25/12
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/29/12 20:29
Cleanup Method1: EPA 3665A
Cleanup Date1: 04/30/12
Cleanup Method2: EPA 3660B
Cleanup Date2: 04/30/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/l	0.083	0.055	1
Aroclor 1221	ND		ug/l	0.083	0.053	1
Aroclor 1232	ND		ug/l	0.083	0.031	1
Aroclor 1242	ND		ug/l	0.083	0.060	1
Aroclor 1248	ND		ug/l	0.083	0.051	1
Aroclor 1254	ND		ug/l	0.083	0.034	1
Aroclor 1260	ND		ug/l	0.083	0.032	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	92		30-150
Decachlorobiphenyl	68		30-150
2,4,5,6-Tetrachloro-m-xylene	78		30-150
Decachlorobiphenyl	53		30-150

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-03
Client ID: MW-03
Sample Location: 285-295 NIAGARA ST
Matrix: Water
Analytical Method: 1,8082
Analytical Date: 04/30/12 19:38
Analyst: KB

Date Collected: 04/23/12 15:17
Date Received: 04/25/12
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/29/12 20:29
Cleanup Method1: EPA 3665A
Cleanup Date1: 04/30/12
Cleanup Method2: EPA 3660B
Cleanup Date2: 04/30/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/l	0.083	0.055	1
Aroclor 1221	ND		ug/l	0.083	0.053	1
Aroclor 1232	ND		ug/l	0.083	0.031	1
Aroclor 1242	ND		ug/l	0.083	0.060	1
Aroclor 1248	ND		ug/l	0.083	0.051	1
Aroclor 1254	ND		ug/l	0.083	0.034	1
Aroclor 1260	ND		ug/l	0.083	0.032	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	61		30-150
Decachlorobiphenyl	56		30-150
2,4,5,6-Tetrachloro-m-xylene	65		30-150
Decachlorobiphenyl	50		30-150

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-04
Client ID: MW-04
Sample Location: 285-295 NIAGARA ST
Matrix: Water
Analytical Method: 1,8082
Analytical Date: 04/30/12 19:51
Analyst: KB

Date Collected: 04/23/12 13:57
Date Received: 04/25/12
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/29/12 20:29
Cleanup Method1: EPA 3665A
Cleanup Date1: 04/30/12
Cleanup Method2: EPA 3660B
Cleanup Date2: 04/30/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/l	0.083	0.055	1
Aroclor 1221	ND		ug/l	0.083	0.053	1
Aroclor 1232	ND		ug/l	0.083	0.031	1
Aroclor 1242	ND		ug/l	0.083	0.060	1
Aroclor 1248	ND		ug/l	0.083	0.051	1
Aroclor 1254	ND		ug/l	0.083	0.034	1
Aroclor 1260	ND		ug/l	0.083	0.032	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	73		30-150
Decachlorobiphenyl	80		30-150
2,4,5,6-Tetrachloro-m-xylene	79		30-150
Decachlorobiphenyl	74		30-150

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-05
Client ID: MW-05
Sample Location: 285-295 NIAGARA ST
Matrix: Water
Analytical Method: 1,8082
Analytical Date: 04/30/12 20:04
Analyst: KB

Date Collected: 04/23/12 16:22
Date Received: 04/25/12
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/29/12 20:29
Cleanup Method1: EPA 3665A
Cleanup Date1: 04/30/12
Cleanup Method2: EPA 3660B
Cleanup Date2: 04/30/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/l	0.147	0.097	1
Aroclor 1221	ND		ug/l	0.147	0.094	1
Aroclor 1232	ND		ug/l	0.147	0.054	1
Aroclor 1242	ND		ug/l	0.147	0.106	1
Aroclor 1248	ND		ug/l	0.147	0.090	1
Aroclor 1254	ND		ug/l	0.147	0.060	1
Aroclor 1260	ND		ug/l	0.147	0.056	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	62		30-150
Decachlorobiphenyl	83		30-150
2,4,5,6-Tetrachloro-m-xylene	67		30-150
Decachlorobiphenyl	75		30-150

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-06
Client ID: BLIND
Sample Location: 285-295 NIAGARA ST
Matrix: Water
Analytical Method: 1,8082
Analytical Date: 04/30/12 20:17
Analyst: KB

Date Collected: 04/23/12 08:00
Date Received: 04/25/12
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/29/12 20:29
Cleanup Method1: EPA 3665A
Cleanup Date1: 04/30/12
Cleanup Method2: EPA 3660B
Cleanup Date2: 04/30/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/l	0.083	0.055	1
Aroclor 1221	ND		ug/l	0.083	0.053	1
Aroclor 1232	ND		ug/l	0.083	0.031	1
Aroclor 1242	ND		ug/l	0.083	0.060	1
Aroclor 1248	ND		ug/l	0.083	0.051	1
Aroclor 1254	ND		ug/l	0.083	0.034	1
Aroclor 1260	ND		ug/l	0.083	0.032	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	76		30-150
Decachlorobiphenyl	67		30-150
2,4,5,6-Tetrachloro-m-xylene	83		30-150
Decachlorobiphenyl	64		30-150

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082
 Analytical Date: 04/30/12 18:05
 Analyst: KB

Extraction Method: EPA 3510C
 Extraction Date: 04/29/12 20:29
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 04/30/12
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 04/30/12

Parameter	Result	Qualifier	Units	RL	MDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-06 Batch: WG532400-1					
Aroclor 1016	ND		ug/l	0.083	0.055
Aroclor 1221	ND		ug/l	0.083	0.053
Aroclor 1232	ND		ug/l	0.083	0.031
Aroclor 1242	ND		ug/l	0.083	0.060
Aroclor 1248	ND		ug/l	0.083	0.051
Aroclor 1254	ND		ug/l	0.083	0.034
Aroclor 1260	ND		ug/l	0.083	0.032

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	65		30-150
Decachlorobiphenyl	97		30-150
2,4,5,6-Tetrachloro-m-xylene	71		30-150
Decachlorobiphenyl	88		30-150

Matrix Spike Analysis

Batch Quality Control

Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1207219

Project Number: 0236-001-102

Report Date: 05/02/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG532400-4 WG532400-5 QC Sample: L1207219-04 Client ID: MW-04												
Aroclor 1016	ND	2.6	1.62	62		1.85	71		40-140	13		50
Aroclor 1260	ND	2.6	1.57	60		1.91	73		40-140	20		50

Surrogate	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
2,4,5,6-Tetrachloro-m-xylene	64		77		30-150
Decachlorobiphenyl	60		77		30-150
2,4,5,6-Tetrachloro-m-xylene	63		80		30-150
Decachlorobiphenyl	55		71		30-150

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG532400-2 WG532400-3								
Aroclor 1016	70		75		40-140	8		50
Aroclor 1260	68		73		40-140	7		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	69		71		30-150
Decachlorobiphenyl	91		97		30-150
2,4,5,6-Tetrachloro-m-xylene	73		75		30-150
Decachlorobiphenyl	83		89		30-150

PESTICIDES

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-01
Client ID: MW-01
Sample Location: 285-295 NIAGARA ST
Matrix: Water
Analytical Method: 1,8081A
Analytical Date: 04/30/12 09:52
Analyst: BW

Date Collected: 04/23/12 17:37
Date Received: 04/25/12
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/28/12 09:28
Cleanup Method1: EPA 3620B
Cleanup Date1: 04/30/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/l	0.020	0.005	1
Lindane	ND		ug/l	0.020	0.004	1
Alpha-BHC	ND		ug/l	0.020	0.004	1
Beta-BHC	ND		ug/l	0.020	0.006	1
Heptachlor	ND		ug/l	0.020	0.003	1
Aldrin	ND		ug/l	0.020	0.002	1
Heptachlor epoxide	ND		ug/l	0.020	0.004	1
Endrin	ND		ug/l	0.040	0.004	1
Endrin ketone	ND		ug/l	0.040	0.005	1
Dieldrin	ND		ug/l	0.040	0.004	1
4,4'-DDE	ND		ug/l	0.040	0.004	1
4,4'-DDT	0.017	J	ug/l	0.040	0.004	1
Endosulfan I	ND		ug/l	0.020	0.003	1
Endosulfan II	ND		ug/l	0.040	0.005	1
Endosulfan sulfate	ND		ug/l	0.040	0.005	1
Methoxychlor	ND		ug/l	0.200	0.007	1
Toxaphene	ND		ug/l	0.200	0.063	1
trans-Chlordane	0.031	P	ug/l	0.020	0.006	1
Chlordane	ND		ug/l	0.200	0.046	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	104		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	87		30-150	B

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-01
Client ID: MW-01
Sample Location: 285-295 NIAGARA ST
Matrix: Water
Analytical Method: 1,8081A
Analytical Date: 04/30/12 09:52
Analyst: BW

Date Collected: 04/23/12 17:37
Date Received: 04/25/12
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/28/12 09:28
Cleanup Method1: EPA 3620B
Cleanup Date1: 04/30/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
4,4'-DDD	0.023	J	ug/l	0.040	0.005	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	104		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	87		30-150	B

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-01
 Client ID: MW-01
 Sample Location: 285-295 NIAGARA ST
 Matrix: Water
 Analytical Method: 1,8151A
 Analytical Date: 04/29/12 15:24
 Analyst: SH

Date Collected: 04/23/12 17:37
 Date Received: 04/25/12
 Field Prep: Not Specified
 Extraction Method: EPA 8151A
 Extraction Date: 04/27/12 01:34
 Methylation Date: 04/28/12 03:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Chlorinated Herbicides by GC - Westborough Lab						
2,4-D	ND		ug/l	10.0	0.544	1
2,4,5-T	ND		ug/l	2.00	0.488	1
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.391	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	107		30-150	A
DCAA	134		30-150	B

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-02
Client ID: MW-02
Sample Location: 285-295 NIAGARA ST
Matrix: Water
Analytical Method: 1,8081A
Analytical Date: 04/30/12 10:04
Analyst: BW

Date Collected: 04/23/12 17:00
Date Received: 04/25/12
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/28/12 09:28
Cleanup Method1: EPA 3620B
Cleanup Date1: 04/30/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/l	0.020	0.005	1
Lindane	ND		ug/l	0.020	0.004	1
Alpha-BHC	ND		ug/l	0.020	0.004	1
Beta-BHC	ND		ug/l	0.020	0.006	1
Heptachlor	ND		ug/l	0.020	0.003	1
Aldrin	ND		ug/l	0.020	0.002	1
Heptachlor epoxide	ND		ug/l	0.020	0.004	1
Endrin	ND		ug/l	0.040	0.004	1
Endrin ketone	ND		ug/l	0.040	0.005	1
Dieldrin	ND		ug/l	0.040	0.004	1
4,4'-DDE	ND		ug/l	0.040	0.004	1
Endosulfan I	ND		ug/l	0.020	0.003	1
Endosulfan II	ND		ug/l	0.040	0.005	1
Endosulfan sulfate	ND		ug/l	0.040	0.005	1
Methoxychlor	ND		ug/l	0.200	0.007	1
Toxaphene	ND		ug/l	0.200	0.063	1
trans-Chlordane	0.007	JP	ug/l	0.020	0.006	1
Chlordane	ND		ug/l	0.200	0.046	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-02
Client ID: MW-02
Sample Location: 285-295 NIAGARA ST
Matrix: Water
Analytical Method: 1,8081A
Analytical Date: 04/30/12 10:04
Analyst: BW

Date Collected: 04/23/12 17:00
Date Received: 04/25/12
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/28/12 09:28
Cleanup Method1: EPA 3620B
Cleanup Date1: 04/30/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
4,4'-DDD	0.015	J	ug/l	0.040	0.005	1
4,4'-DDT	0.019	J	ug/l	0.040	0.004	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-02
Client ID: MW-02
Sample Location: 285-295 NIAGARA ST
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 04/29/12 15:44
Analyst: SH

Date Collected: 04/23/12 17:00
Date Received: 04/25/12
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 04/27/12 01:34
Methylation Date: 04/28/12 03:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Chlorinated Herbicides by GC - Westborough Lab						
2,4-D	ND		ug/l	10.0	0.544	1
2,4,5-T	ND		ug/l	2.00	0.488	1
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.391	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	157	Q	30-150	A
DCAA	149		30-150	B

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-03
Client ID: MW-03
Sample Location: 285-295 NIAGARA ST
Matrix: Water
Analytical Method: 1,8081A
Analytical Date: 04/30/12 10:17
Analyst: BW

Date Collected: 04/23/12 15:17
Date Received: 04/25/12
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/28/12 09:28
Cleanup Method1: EPA 3620B
Cleanup Date1: 04/30/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/l	0.020	0.005	1
Lindane	ND		ug/l	0.020	0.004	1
Alpha-BHC	ND		ug/l	0.020	0.004	1
Beta-BHC	ND		ug/l	0.020	0.006	1
Heptachlor	ND		ug/l	0.020	0.003	1
Aldrin	ND		ug/l	0.020	0.002	1
Heptachlor epoxide	ND		ug/l	0.020	0.004	1
Endrin	ND		ug/l	0.040	0.004	1
Endrin ketone	ND		ug/l	0.040	0.005	1
Dieldrin	ND		ug/l	0.040	0.004	1
4,4'-DDE	ND		ug/l	0.040	0.004	1
4,4'-DDD	ND		ug/l	0.040	0.005	1
4,4'-DDT	ND		ug/l	0.040	0.004	1
Endosulfan I	ND		ug/l	0.020	0.003	1
Endosulfan II	ND		ug/l	0.040	0.005	1
Endosulfan sulfate	ND		ug/l	0.040	0.005	1
Methoxychlor	ND		ug/l	0.200	0.007	1
Toxaphene	ND		ug/l	0.200	0.063	1
trans-Chlordane	ND		ug/l	0.020	0.006	1
Chlordane	ND		ug/l	0.200	0.046	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	97		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	82		30-150	B

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-03
Client ID: MW-03
Sample Location: 285-295 NIAGARA ST
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 04/29/12 16:04
Analyst: SH

Date Collected: 04/23/12 15:17
Date Received: 04/25/12
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 04/27/12 01:34
Methylation Date: 04/28/12 03:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Chlorinated Herbicides by GC - Westborough Lab						
2,4-D	ND		ug/l	10.0	0.544	1
2,4,5-T	ND		ug/l	2.00	0.488	1
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.391	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	97		30-150	A
DCAA	143		30-150	B

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-04
Client ID: MW-04
Sample Location: 285-295 NIAGARA ST
Matrix: Water
Analytical Method: 1,8081A
Analytical Date: 04/30/12 10:30
Analyst: BW

Date Collected: 04/23/12 13:57
Date Received: 04/25/12
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/28/12 09:28
Cleanup Method1: EPA 3620B
Cleanup Date1: 04/30/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/l	0.020	0.005	1
Lindane	ND		ug/l	0.020	0.004	1
Alpha-BHC	ND		ug/l	0.020	0.004	1
Beta-BHC	ND		ug/l	0.020	0.006	1
Heptachlor	ND		ug/l	0.020	0.003	1
Aldrin	ND		ug/l	0.020	0.002	1
Heptachlor epoxide	ND		ug/l	0.020	0.004	1
Endrin	ND		ug/l	0.040	0.004	1
Endrin ketone	ND		ug/l	0.040	0.005	1
Dieldrin	ND		ug/l	0.040	0.004	1
4,4'-DDE	0.011	J	ug/l	0.040	0.004	1
4,4'-DDT	0.023	J	ug/l	0.040	0.004	1
Endosulfan I	ND		ug/l	0.020	0.003	1
Endosulfan II	ND		ug/l	0.040	0.005	1
Endosulfan sulfate	ND		ug/l	0.040	0.005	1
Methoxychlor	ND		ug/l	0.200	0.007	1
Toxaphene	ND		ug/l	0.200	0.063	1
trans-Chlordane	0.042	P	ug/l	0.020	0.006	1
Chlordane	ND		ug/l	0.200	0.046	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	110		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	94		30-150	B

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-04
Client ID: MW-04
Sample Location: 285-295 NIAGARA ST
Matrix: Water
Analytical Method: 1,8081A
Analytical Date: 04/30/12 10:30
Analyst: BW

Date Collected: 04/23/12 13:57
Date Received: 04/25/12
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/28/12 09:28
Cleanup Method1: EPA 3620B
Cleanup Date1: 04/30/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
4,4'-DDD	0.021	J	ug/l	0.040	0.005	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	110		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	94		30-150	B

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-04
Client ID: MW-04
Sample Location: 285-295 NIAGARA ST
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 04/29/12 16:24
Analyst: SH

Date Collected: 04/23/12 13:57
Date Received: 04/25/12
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 04/27/12 01:34
Methylation Date: 04/28/12 03:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Chlorinated Herbicides by GC - Westborough Lab						
2,4-D	ND		ug/l	10.0	0.544	1
2,4,5-T	ND		ug/l	2.00	0.488	1
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.391	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	100		30-150	A
DCAA	144		30-150	B

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-06
Client ID: BLIND
Sample Location: 285-295 NIAGARA ST
Matrix: Water
Analytical Method: 1,8081A
Analytical Date: 04/30/12 10:42
Analyst: BW

Date Collected: 04/23/12 08:00
Date Received: 04/25/12
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/28/12 09:28
Cleanup Method1: EPA 3620B
Cleanup Date1: 04/30/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Heptachlor epoxide	0.018	JP	ug/l	0.020	0.004	1
4,4'-DDD	0.028	J	ug/l	0.040	0.005	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	118		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	85		30-150	B

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-06
Client ID: BLIND
Sample Location: 285-295 NIAGARA ST
Matrix: Water
Analytical Method: 1,8081A
Analytical Date: 04/30/12 10:42
Analyst: BW

Date Collected: 04/23/12 08:00
Date Received: 04/25/12
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/28/12 09:28
Cleanup Method1: EPA 3620B
Cleanup Date1: 04/30/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/l	0.020	0.005	1
Lindane	ND		ug/l	0.020	0.004	1
Alpha-BHC	ND		ug/l	0.020	0.004	1
Beta-BHC	ND		ug/l	0.020	0.006	1
Heptachlor	ND		ug/l	0.020	0.003	1
Aldrin	ND		ug/l	0.020	0.002	1
Endrin	ND		ug/l	0.040	0.004	1
Endrin ketone	ND		ug/l	0.040	0.005	1
Dieldrin	ND		ug/l	0.040	0.004	1
4,4'-DDE	0.023	J	ug/l	0.040	0.004	1
4,4'-DDT	0.030	J	ug/l	0.040	0.004	1
Endosulfan I	ND		ug/l	0.020	0.003	1
Endosulfan II	ND		ug/l	0.040	0.005	1
Endosulfan sulfate	ND		ug/l	0.040	0.005	1
Methoxychlor	ND		ug/l	0.200	0.007	1
Toxaphene	ND		ug/l	0.200	0.063	1
trans-Chlordane	0.036	P	ug/l	0.020	0.006	1
Chlordane	ND		ug/l	0.200	0.046	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	118		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	85		30-150	B

Project Name: 285-295 NIAGARA ST SITE**Lab Number:** L1207219**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207219-06
Client ID: BLIND
Sample Location: 285-295 NIAGARA ST
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 04/29/12 16:44
Analyst: SH

Date Collected: 04/23/12 08:00
Date Received: 04/25/12
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 04/27/12 01:34
Methylation Date: 04/28/12 03:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Chlorinated Herbicides by GC - Westborough Lab						
2,4-D	ND		ug/l	10.0	0.544	1
2,4,5-T	ND		ug/l	2.00	0.488	1
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.391	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	107		30-150	A
DCAA	142		30-150	B

Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1207219

Project Number: 0236-001-102

Report Date: 05/02/12

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8151A
 Analytical Date: 04/29/12 13:44
 Analyst: SH

Extraction Method: EPA 8151A
 Extraction Date: 04/27/12 01:34

Methylation Date: 04/28/12 03:23

Parameter	Result	Qualifier	Units	RL	MDL
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-04,06 Batch: WG532011-1					
2,4-D	ND		ug/l	10.0	0.544
2,4,5-T	ND		ug/l	2.00	0.488
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.391

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	126		30-150	A
DCAA	102		30-150	B

Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1207219

Project Number: 0236-001-102

Report Date: 05/02/12

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081A
 Analytical Date: 04/30/12 11:20
 Analyst: BW

Extraction Method: EPA 3510C
 Extraction Date: 04/28/12 09:28
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 04/30/12

Parameter	Result	Qualifier	Units	RL	MDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-04,06 Batch: WG532303-1					
Delta-BHC	ND		ug/l	0.020	0.005
Lindane	ND		ug/l	0.020	0.004
Alpha-BHC	ND		ug/l	0.020	0.004
Beta-BHC	ND		ug/l	0.020	0.006
Heptachlor	ND		ug/l	0.020	0.003
Aldrin	ND		ug/l	0.020	0.002
Heptachlor epoxide	ND		ug/l	0.020	0.004
Endrin	ND		ug/l	0.040	0.004
Endrin ketone	ND		ug/l	0.040	0.005
Dieldrin	ND		ug/l	0.040	0.004
4,4'-DDE	ND		ug/l	0.040	0.004
4,4'-DDD	ND		ug/l	0.040	0.005
4,4'-DDT	ND		ug/l	0.040	0.004
Endosulfan I	ND		ug/l	0.020	0.003
Endosulfan II	ND		ug/l	0.040	0.005
Endosulfan sulfate	ND		ug/l	0.040	0.005
Methoxychlor	ND		ug/l	0.200	0.007
Toxaphene	ND		ug/l	0.200	0.063
trans-Chlordane	ND		ug/l	0.020	0.006
Chlordane	ND		ug/l	0.200	0.046

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	99		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1207219

Project Number: 0236-001-102

Report Date: 05/02/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-04,06 Batch: WG532011-2 WG532011-3								
2,4-D	113		102		30-150	10		25
2,4,5-T	101		93		30-150	8		25
2,4,5-TP (Silvex)	93		86		30-150	8		25

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	115		106		30-150	A
DCAA	100		95		30-150	B

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04,06 Batch: WG532303-2 WG532303-3								
Delta-BHC	92		87		30-150	5		20
Lindane	91		87		30-150	4		20
Alpha-BHC	92		89		30-150	3		20
Beta-BHC	89		86		30-150	4		20
Heptachlor	88		85		30-150	3		20
Aldrin	85		82		30-150	3		20
Heptachlor epoxide	85		83		30-150	2		20
Endrin	91		89		30-150	2		20
Endrin ketone	76		70		30-150	7		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285-295 NIAGARA ST SITE

Project Number: 0236-001-102

Lab Number: L1207219

Report Date: 05/02/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04,06 Batch: WG532303-2 WG532303-3								
Dieldrin	87		86		30-150	1		20
4,4'-DDE	85		84		30-150	1		20
4,4'-DDD	85		85		30-150	1		20
4,4'-DDT	81		81		30-150	0		20
Endosulfan I	88		86		30-150	2		20
Endosulfan II	86		85		30-150	1		20
Endosulfan sulfate	109		102		30-150	7		20
Methoxychlor	75		71		30-150	6		20
trans-Chlordane	85		84		30-150	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		87		30-150	A
Decachlorobiphenyl	60		68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		79		30-150	B
Decachlorobiphenyl	91		105		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1207219

Project Number: 0236-001-102

Report Date: 05/02/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-04,06 QC Batch ID: WG532011-4 WG532011-5 QC Sample: L1207219-04 Client ID: MW-04												
2,4-D	ND	10	11.1	111		12.8	128		30-150	14		25
2,4,5-T	ND	10	8.57	86		9.44	94		30-150	10		25
2,4,5-TP (Silvex)	ND	10	7.55	76		8.23	82		30-150	9		25

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria	Column
DCAA	111		118		30-150	A
DCAA	140		144		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: 285-295 NIAGARA ST SITE

Project Number: 0236-001-102

Lab Number: L1207219

Report Date: 05/02/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04,06 QC Batch ID: WG532303-4 WG532303-5 QC Sample: L1207219-04 Client ID: MW-04												
Delta-BHC	ND	0.5	0.440	88		0.503	101		30-150	13		30
Lindane	ND	0.5	0.359	72		0.413	83		30-150	14		30
Alpha-BHC	ND	0.5	0.368	74		0.407	81		30-150	10		30
Beta-BHC	ND	0.5	0.363	73		0.417	83		30-150	14		30
Heptachlor	ND	0.5	0.376	75		0.431	86		30-150	14		30
Aldrin	ND	0.5	0.350	70		0.396	79		30-150	12		30
Heptachlor epoxide	ND	0.5	0.363	73		0.398	80		30-150	9		30
Endrin	ND	0.5	0.475	95		0.523	105		30-150	10		30
Endrin ketone	ND	0.5	0.321	64		0.367	73		30-150	13		30
Dieldrin	ND	0.5	0.359	72		0.386	77		30-150	7		30
4,4'-DDE	0.011J	0.5	0.381	76		0.418	84		30-150	9		30
4,4'-DDD	ND	0.5	0.361	72		0.405	81		30-150	11		30
4,4'-DDT	0.023J	0.5	0.355	71		0.397	79		30-150	11		30
Endosulfan I	ND	0.5	0.436	87		0.487	97		30-150	11		30
Endosulfan II	ND	0.5	0.342	68		0.386	77		30-150	12		30
Endosulfan sulfate	ND	0.5	0.456	91		0.513	103		30-150	12		30
Methoxychlor	ND	0.5	0.353	71		0.396	79		30-150	11		30
trans-Chlordane	0.042	0.5	0.386	69		0.419	75		30-150	8		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 285-295 NIAGARA ST SITE

Project Number: 0236-001-102

Lab Number: L1207219

Report Date: 05/02/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04,06 QC Batch ID: WG532303-4 WG532303-5 QC Sample: L1207219-04
Client ID: MW-04

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	116		123		30-150	A
Decachlorobiphenyl	61		62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		77		30-150	B
Decachlorobiphenyl	103		107		30-150	B

METALS

Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1207219

Project Number: 0236-001-102

Report Date: 05/02/12

SAMPLE RESULTS

Lab ID: L1207219-01

Date Collected: 04/23/12 17:37

Client ID: MW-01

Date Received: 04/25/12

Sample Location: 285-295 NIAGARA ST

Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.24		mg/l	0.10	0.02	1	04/26/12 12:45	05/02/12 08:57	EPA 3005A	1,6010B	AI
Antimony, Dissolved	0.0013		mg/l	0.0005	0.0001	1	04/26/12 12:45	04/27/12 15:25	EPA 3005A	1,6020	AK
Arsenic, Dissolved	ND		mg/l	0.005	0.003	1	04/26/12 12:45	05/02/12 08:57	EPA 3005A	1,6010B	AI
Barium, Dissolved	0.023		mg/l	0.010	0.001	1	04/26/12 12:45	05/02/12 08:57	EPA 3005A	1,6010B	AI
Beryllium, Dissolved	ND		mg/l	0.0005	0.0001	1	04/26/12 12:45	04/27/12 15:25	EPA 3005A	1,6020	AK
Cadmium, Dissolved	ND		mg/l	0.005	0.001	1	04/26/12 12:45	05/02/12 08:57	EPA 3005A	1,6010B	AI
Calcium, Dissolved	69		mg/l	0.10	0.02	1	04/26/12 12:45	05/02/12 08:57	EPA 3005A	1,6010B	AI
Chromium, Dissolved	ND		mg/l	0.01	0.002	1	04/26/12 12:45	05/02/12 08:57	EPA 3005A	1,6010B	AI
Cobalt, Dissolved	0.048		mg/l	0.020	0.002	1	04/26/12 12:45	05/02/12 08:57	EPA 3005A	1,6010B	AI
Copper, Dissolved	ND		mg/l	0.010	0.005	1	04/26/12 12:45	05/02/12 08:57	EPA 3005A	1,6010B	AI
Iron, Dissolved	1.7		mg/l	0.05	0.02	1	04/26/12 12:45	05/02/12 08:57	EPA 3005A	1,6010B	AI
Lead, Dissolved	ND		mg/l	0.010	0.003	1	04/26/12 12:45	05/02/12 08:57	EPA 3005A	1,6010B	AI
Magnesium, Dissolved	18		mg/l	0.10	0.05	1	04/26/12 12:45	05/02/12 08:57	EPA 3005A	1,6010B	AI
Manganese, Dissolved	0.413		mg/l	0.010	0.001	1	04/26/12 12:45	05/02/12 08:57	EPA 3005A	1,6010B	AI
Mercury, Dissolved	ND		mg/l	0.0002	0.0001	1	04/27/12 17:00	04/30/12 09:36	EPA 7470A	1,7470A	KL
Nickel, Dissolved	0.081		mg/l	0.025	0.003	1	04/26/12 12:45	05/02/12 08:57	EPA 3005A	1,6010B	AI
Potassium, Dissolved	1.5	J	mg/l	2.5	0.80	1	04/26/12 12:45	05/02/12 08:57	EPA 3005A	1,6010B	AI
Selenium, Dissolved	0.007	J	mg/l	0.010	0.003	1	04/26/12 12:45	05/02/12 08:57	EPA 3005A	1,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	0.002	1	04/26/12 12:45	05/02/12 08:57	EPA 3005A	1,6010B	AI
Sodium, Dissolved	130		mg/l	2.0	0.80	1	04/26/12 12:45	05/02/12 08:57	EPA 3005A	1,6010B	AI
Thallium, Dissolved	0.0001	J	mg/l	0.0002	0.00003	1	04/26/12 12:45	04/27/12 15:25	EPA 3005A	1,6020	AK
Vanadium, Dissolved	ND		mg/l	0.010	0.002	1	04/26/12 12:45	05/02/12 08:57	EPA 3005A	1,6010B	AI
Zinc, Dissolved	0.127		mg/l	0.050	0.005	1	04/26/12 12:45	05/02/12 08:57	EPA 3005A	1,6010B	AI



Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1207219

Project Number: 0236-001-102

Report Date: 05/02/12

SAMPLE RESULTS

Lab ID: L1207219-02

Date Collected: 04/23/12 17:00

Client ID: MW-02

Date Received: 04/25/12

Sample Location: 285-295 NIAGARA ST

Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.04	J	mg/l	0.10	0.02	1	04/26/12 12:45	05/02/12 09:16	EPA 3005A	1,6010B	AI
Antimony, Dissolved	0.0014		mg/l	0.0005	0.0001	1	04/26/12 12:45	04/27/12 15:27	EPA 3005A	1,6020	AK
Arsenic, Dissolved	ND		mg/l	0.005	0.003	1	04/26/12 12:45	05/02/12 09:16	EPA 3005A	1,6010B	AI
Barium, Dissolved	0.027		mg/l	0.010	0.001	1	04/26/12 12:45	05/02/12 09:16	EPA 3005A	1,6010B	AI
Beryllium, Dissolved	ND		mg/l	0.0005	0.0001	1	04/26/12 12:45	04/27/12 15:27	EPA 3005A	1,6020	AK
Cadmium, Dissolved	ND		mg/l	0.005	0.001	1	04/26/12 12:45	05/02/12 09:16	EPA 3005A	1,6010B	AI
Calcium, Dissolved	120		mg/l	0.10	0.02	1	04/26/12 12:45	05/02/12 09:16	EPA 3005A	1,6010B	AI
Chromium, Dissolved	ND		mg/l	0.01	0.002	1	04/26/12 12:45	05/02/12 09:16	EPA 3005A	1,6010B	AI
Cobalt, Dissolved	0.063		mg/l	0.020	0.002	1	04/26/12 12:45	05/02/12 09:16	EPA 3005A	1,6010B	AI
Copper, Dissolved	ND		mg/l	0.010	0.005	1	04/26/12 12:45	05/02/12 09:16	EPA 3005A	1,6010B	AI
Iron, Dissolved	0.30		mg/l	0.05	0.02	1	04/26/12 12:45	05/02/12 09:16	EPA 3005A	1,6010B	AI
Lead, Dissolved	ND		mg/l	0.010	0.003	1	04/26/12 12:45	05/02/12 09:16	EPA 3005A	1,6010B	AI
Magnesium, Dissolved	30		mg/l	0.10	0.05	1	04/26/12 12:45	05/02/12 09:16	EPA 3005A	1,6010B	AI
Manganese, Dissolved	0.700		mg/l	0.010	0.001	1	04/26/12 12:45	05/02/12 09:16	EPA 3005A	1,6010B	AI
Mercury, Dissolved	ND		mg/l	0.0002	0.0001	1	04/27/12 17:00	04/30/12 09:38	EPA 7470A	1,7470A	KL
Nickel, Dissolved	0.106		mg/l	0.025	0.003	1	04/26/12 12:45	05/02/12 09:16	EPA 3005A	1,6010B	AI
Potassium, Dissolved	3.6		mg/l	2.5	0.80	1	04/26/12 12:45	05/02/12 09:16	EPA 3005A	1,6010B	AI
Selenium, Dissolved	ND		mg/l	0.010	0.003	1	04/26/12 12:45	05/02/12 09:16	EPA 3005A	1,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	0.002	1	04/26/12 12:45	05/02/12 09:16	EPA 3005A	1,6010B	AI
Sodium, Dissolved	310		mg/l	2.0	0.80	1	04/26/12 12:45	05/02/12 09:16	EPA 3005A	1,6010B	AI
Thallium, Dissolved	0.00005	J	mg/l	0.00020	0.00003	1	04/26/12 12:45	04/27/12 15:27	EPA 3005A	1,6020	AK
Vanadium, Dissolved	ND		mg/l	0.010	0.002	1	04/26/12 12:45	05/02/12 09:16	EPA 3005A	1,6010B	AI
Zinc, Dissolved	0.137		mg/l	0.050	0.005	1	04/26/12 12:45	05/02/12 09:16	EPA 3005A	1,6010B	AI



Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1207219

Project Number: 0236-001-102

Report Date: 05/02/12

SAMPLE RESULTS

Lab ID: L1207219-03

Date Collected: 04/23/12 15:17

Client ID: MW-03

Date Received: 04/25/12

Sample Location: 285-295 NIAGARA ST

Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.09	J	mg/l	0.10	0.02	1	04/26/12 12:45	05/02/12 09:19	EPA 3005A	1,6010B	AI
Antimony, Dissolved	0.0011		mg/l	0.0005	0.0001	1	04/26/12 12:45	04/27/12 15:39	EPA 3005A	1,6020	AK
Arsenic, Dissolved	ND		mg/l	0.005	0.003	1	04/26/12 12:45	05/02/12 09:19	EPA 3005A	1,6010B	AI
Barium, Dissolved	0.013		mg/l	0.010	0.001	1	04/26/12 12:45	05/02/12 09:19	EPA 3005A	1,6010B	AI
Beryllium, Dissolved	ND		mg/l	0.0005	0.0001	1	04/26/12 12:45	04/27/12 15:39	EPA 3005A	1,6020	AK
Cadmium, Dissolved	ND		mg/l	0.005	0.001	1	04/26/12 12:45	05/02/12 09:19	EPA 3005A	1,6010B	AI
Calcium, Dissolved	83		mg/l	0.10	0.02	1	04/26/12 12:45	05/02/12 09:19	EPA 3005A	1,6010B	AI
Chromium, Dissolved	ND		mg/l	0.01	0.002	1	04/26/12 12:45	05/02/12 09:19	EPA 3005A	1,6010B	AI
Cobalt, Dissolved	0.014	J	mg/l	0.020	0.002	1	04/26/12 12:45	05/02/12 09:19	EPA 3005A	1,6010B	AI
Copper, Dissolved	ND		mg/l	0.010	0.005	1	04/26/12 12:45	05/02/12 09:19	EPA 3005A	1,6010B	AI
Iron, Dissolved	0.14		mg/l	0.05	0.02	1	04/26/12 12:45	05/02/12 09:19	EPA 3005A	1,6010B	AI
Lead, Dissolved	ND		mg/l	0.010	0.003	1	04/26/12 12:45	05/02/12 09:19	EPA 3005A	1,6010B	AI
Magnesium, Dissolved	15		mg/l	0.10	0.05	1	04/26/12 12:45	05/02/12 09:19	EPA 3005A	1,6010B	AI
Manganese, Dissolved	0.389		mg/l	0.010	0.001	1	04/26/12 12:45	05/02/12 09:19	EPA 3005A	1,6010B	AI
Mercury, Dissolved	ND		mg/l	0.0002	0.0001	1	04/27/12 17:00	04/30/12 09:39	EPA 7470A	1,7470A	KL
Nickel, Dissolved	0.031		mg/l	0.025	0.003	1	04/26/12 12:45	05/02/12 09:19	EPA 3005A	1,6010B	AI
Potassium, Dissolved	3.4		mg/l	2.5	0.80	1	04/26/12 12:45	05/02/12 09:19	EPA 3005A	1,6010B	AI
Selenium, Dissolved	0.010		mg/l	0.010	0.003	1	04/26/12 12:45	05/02/12 09:19	EPA 3005A	1,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	0.002	1	04/26/12 12:45	05/02/12 09:19	EPA 3005A	1,6010B	AI
Sodium, Dissolved	280		mg/l	2.0	0.80	1	04/26/12 12:45	05/02/12 09:19	EPA 3005A	1,6010B	AI
Thallium, Dissolved	ND		mg/l	0.0002	0.00003	1	04/26/12 12:45	04/27/12 15:39	EPA 3005A	1,6020	AK
Vanadium, Dissolved	ND		mg/l	0.010	0.002	1	04/26/12 12:45	05/02/12 09:19	EPA 3005A	1,6010B	AI
Zinc, Dissolved	0.020	J	mg/l	0.050	0.005	1	04/26/12 12:45	05/02/12 09:19	EPA 3005A	1,6010B	AI



Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1207219

Project Number: 0236-001-102

Report Date: 05/02/12

SAMPLE RESULTS

Lab ID: L1207219-04

Date Collected: 04/23/12 13:57

Client ID: MW-04

Date Received: 04/25/12

Sample Location: 285-295 NIAGARA ST

Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.26		mg/l	0.10	0.02	1	04/26/12 12:45	05/02/12 08:40	EPA 3005A	1,6010B	AI
Antimony, Dissolved	0.0015		mg/l	0.0005	0.0001	1	04/26/12 12:45	04/27/12 15:15	EPA 3005A	1,6020	AK
Arsenic, Dissolved	ND		mg/l	0.005	0.003	1	04/26/12 12:45	05/02/12 08:40	EPA 3005A	1,6010B	AI
Barium, Dissolved	0.030		mg/l	0.010	0.001	1	04/26/12 12:45	05/02/12 08:40	EPA 3005A	1,6010B	AI
Beryllium, Dissolved	ND		mg/l	0.0005	0.0001	1	04/26/12 12:45	04/27/12 15:15	EPA 3005A	1,6020	AK
Cadmium, Dissolved	ND		mg/l	0.005	0.001	1	04/26/12 12:45	05/02/12 08:40	EPA 3005A	1,6010B	AI
Calcium, Dissolved	98		mg/l	0.10	0.02	1	04/26/12 12:45	05/02/12 08:40	EPA 3005A	1,6010B	AI
Chromium, Dissolved	ND		mg/l	0.01	0.002	1	04/26/12 12:45	05/02/12 08:40	EPA 3005A	1,6010B	AI
Cobalt, Dissolved	0.013	J	mg/l	0.020	0.002	1	04/26/12 12:45	05/02/12 08:40	EPA 3005A	1,6010B	AI
Copper, Dissolved	ND		mg/l	0.010	0.005	1	04/26/12 12:45	05/02/12 08:40	EPA 3005A	1,6010B	AI
Iron, Dissolved	0.40		mg/l	0.05	0.02	1	04/26/12 12:45	05/02/12 08:40	EPA 3005A	1,6010B	AI
Lead, Dissolved	ND		mg/l	0.010	0.003	1	04/26/12 12:45	05/02/12 08:40	EPA 3005A	1,6010B	AI
Magnesium, Dissolved	38		mg/l	0.10	0.05	1	04/26/12 12:45	05/02/12 08:40	EPA 3005A	1,6010B	AI
Manganese, Dissolved	0.426		mg/l	0.010	0.001	1	04/26/12 12:45	05/02/12 08:40	EPA 3005A	1,6010B	AI
Mercury, Dissolved	ND		mg/l	0.0002	0.0001	1	04/27/12 17:00	04/30/12 09:41	EPA 7470A	1,7470A	KL
Nickel, Dissolved	0.027		mg/l	0.025	0.003	1	04/26/12 12:45	05/02/12 08:40	EPA 3005A	1,6010B	AI
Potassium, Dissolved	16		mg/l	2.5	0.80	1	04/26/12 12:45	05/02/12 08:40	EPA 3005A	1,6010B	AI
Selenium, Dissolved	ND		mg/l	0.010	0.003	1	04/26/12 12:45	05/02/12 08:40	EPA 3005A	1,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	0.002	1	04/26/12 12:45	05/02/12 08:40	EPA 3005A	1,6010B	AI
Sodium, Dissolved	91		mg/l	2.0	0.80	1	04/26/12 12:45	05/02/12 08:40	EPA 3005A	1,6010B	AI
Thallium, Dissolved	0.00004	J	mg/l	0.00020	0.00003	1	04/26/12 12:45	04/27/12 15:15	EPA 3005A	1,6020	AK
Vanadium, Dissolved	ND		mg/l	0.010	0.002	1	04/26/12 12:45	05/02/12 08:40	EPA 3005A	1,6010B	AI
Zinc, Dissolved	0.019	J	mg/l	0.050	0.005	1	04/26/12 12:45	05/02/12 08:40	EPA 3005A	1,6010B	AI



Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1207219

Project Number: 0236-001-102

Report Date: 05/02/12

SAMPLE RESULTS

Lab ID: L1207219-05

Date Collected: 04/23/12 16:22

Client ID: MW-05

Date Received: 04/25/12

Sample Location: 285-295 NIAGARA ST

Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	ND		mg/l	0.10	0.02	1	04/26/12 12:45	05/02/12 08:51	EPA 3005A	1,6010B	AI
Antimony, Dissolved	0.0011		mg/l	0.0005	0.0001	1	04/26/12 12:45	04/27/12 15:44	EPA 3005A	1,6020	AK
Arsenic, Dissolved	ND		mg/l	0.005	0.003	1	04/26/12 12:45	05/02/12 08:51	EPA 3005A	1,6010B	AI
Barium, Dissolved	0.022		mg/l	0.010	0.001	1	04/26/12 12:45	05/02/12 08:51	EPA 3005A	1,6010B	AI
Beryllium, Dissolved	ND		mg/l	0.0005	0.0001	1	04/26/12 12:45	04/27/12 15:44	EPA 3005A	1,6020	AK
Cadmium, Dissolved	ND		mg/l	0.005	0.001	1	04/26/12 12:45	05/02/12 08:51	EPA 3005A	1,6010B	AI
Calcium, Dissolved	71		mg/l	0.10	0.02	1	04/26/12 12:45	05/02/12 08:51	EPA 3005A	1,6010B	AI
Chromium, Dissolved	ND		mg/l	0.01	0.002	1	04/26/12 12:45	05/02/12 08:51	EPA 3005A	1,6010B	AI
Cobalt, Dissolved	ND		mg/l	0.020	0.002	1	04/26/12 12:45	05/02/12 08:51	EPA 3005A	1,6010B	AI
Copper, Dissolved	ND		mg/l	0.010	0.005	1	04/26/12 12:45	05/02/12 08:51	EPA 3005A	1,6010B	AI
Iron, Dissolved	0.06		mg/l	0.05	0.02	1	04/26/12 12:45	05/02/12 08:51	EPA 3005A	1,6010B	AI
Lead, Dissolved	ND		mg/l	0.010	0.003	1	04/26/12 12:45	05/02/12 08:51	EPA 3005A	1,6010B	AI
Magnesium, Dissolved	37		mg/l	0.10	0.05	1	04/26/12 12:45	05/02/12 08:51	EPA 3005A	1,6010B	AI
Manganese, Dissolved	0.029		mg/l	0.010	0.001	1	04/26/12 12:45	05/02/12 08:51	EPA 3005A	1,6010B	AI
Mercury, Dissolved	ND		mg/l	0.0002	0.0001	1	04/27/12 17:00	04/30/12 09:50	EPA 7470A	1,7470A	KL
Nickel, Dissolved	ND		mg/l	0.025	0.003	1	04/26/12 12:45	05/02/12 08:51	EPA 3005A	1,6010B	AI
Potassium, Dissolved	5.0		mg/l	2.5	0.80	1	04/26/12 12:45	05/02/12 08:51	EPA 3005A	1,6010B	AI
Selenium, Dissolved	ND		mg/l	0.010	0.003	1	04/26/12 12:45	05/02/12 08:51	EPA 3005A	1,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	0.002	1	04/26/12 12:45	05/02/12 08:51	EPA 3005A	1,6010B	AI
Sodium, Dissolved	200		mg/l	2.0	0.80	1	04/26/12 12:45	05/02/12 08:51	EPA 3005A	1,6010B	AI
Thallium, Dissolved	ND		mg/l	0.0002	0.00003	1	04/26/12 12:45	04/27/12 15:44	EPA 3005A	1,6020	AK
Vanadium, Dissolved	ND		mg/l	0.010	0.002	1	04/26/12 12:45	05/02/12 08:51	EPA 3005A	1,6010B	AI
Zinc, Dissolved	0.010	J	mg/l	0.050	0.005	1	04/26/12 12:45	05/02/12 08:51	EPA 3005A	1,6010B	AI



Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1207219

Project Number: 0236-001-102

Report Date: 05/02/12

SAMPLE RESULTS

Lab ID: L1207219-06

Date Collected: 04/23/12 08:00

Client ID: BLIND

Date Received: 04/25/12

Sample Location: 285-295 NIAGARA ST

Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.09	J	mg/l	0.10	0.02	1	04/26/12 12:45	05/02/12 08:54	EPA 3005A	1,6010B	AI
Antimony, Dissolved	0.0008		mg/l	0.0005	0.0001	1	04/26/12 12:45	04/27/12 15:53	EPA 3005A	1,6020	AK
Arsenic, Dissolved	ND		mg/l	0.005	0.003	1	04/26/12 12:45	05/02/12 08:54	EPA 3005A	1,6010B	AI
Barium, Dissolved	0.013		mg/l	0.010	0.001	1	04/26/12 12:45	05/02/12 08:54	EPA 3005A	1,6010B	AI
Beryllium, Dissolved	ND		mg/l	0.0005	0.0001	1	04/26/12 12:45	05/01/12 12:35	EPA 3005A	1,6020	AK
Cadmium, Dissolved	ND		mg/l	0.005	0.001	1	04/26/12 12:45	05/02/12 08:54	EPA 3005A	1,6010B	AI
Calcium, Dissolved	83		mg/l	0.10	0.02	1	04/26/12 12:45	05/02/12 08:54	EPA 3005A	1,6010B	AI
Chromium, Dissolved	ND		mg/l	0.01	0.002	1	04/26/12 12:45	05/02/12 08:54	EPA 3005A	1,6010B	AI
Cobalt, Dissolved	0.015	J	mg/l	0.020	0.002	1	04/26/12 12:45	05/02/12 08:54	EPA 3005A	1,6010B	AI
Copper, Dissolved	ND		mg/l	0.010	0.005	1	04/26/12 12:45	05/02/12 08:54	EPA 3005A	1,6010B	AI
Iron, Dissolved	0.14		mg/l	0.05	0.02	1	04/26/12 12:45	05/02/12 08:54	EPA 3005A	1,6010B	AI
Lead, Dissolved	ND		mg/l	0.010	0.003	1	04/26/12 12:45	05/02/12 08:54	EPA 3005A	1,6010B	AI
Magnesium, Dissolved	15		mg/l	0.10	0.05	1	04/26/12 12:45	05/02/12 08:54	EPA 3005A	1,6010B	AI
Manganese, Dissolved	0.399		mg/l	0.010	0.001	1	04/26/12 12:45	05/02/12 08:54	EPA 3005A	1,6010B	AI
Mercury, Dissolved	ND		mg/l	0.0002	0.0001	1	04/27/12 17:00	04/30/12 09:52	EPA 7470A	1,7470A	KL
Nickel, Dissolved	0.032		mg/l	0.025	0.003	1	04/26/12 12:45	05/02/12 08:54	EPA 3005A	1,6010B	AI
Potassium, Dissolved	3.4		mg/l	2.5	0.80	1	04/26/12 12:45	05/02/12 08:54	EPA 3005A	1,6010B	AI
Selenium, Dissolved	0.011		mg/l	0.010	0.003	1	04/26/12 12:45	05/02/12 08:54	EPA 3005A	1,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	0.002	1	04/26/12 12:45	05/02/12 08:54	EPA 3005A	1,6010B	AI
Sodium, Dissolved	280		mg/l	2.0	0.80	1	04/26/12 12:45	05/02/12 08:54	EPA 3005A	1,6010B	AI
Thallium, Dissolved	ND		mg/l	0.0002	0.00003	1	04/26/12 12:45	04/27/12 15:53	EPA 3005A	1,6020	AK
Vanadium, Dissolved	ND		mg/l	0.010	0.002	1	04/26/12 12:45	05/02/12 08:54	EPA 3005A	1,6010B	AI
Zinc, Dissolved	0.020	J	mg/l	0.050	0.005	1	04/26/12 12:45	05/02/12 08:54	EPA 3005A	1,6010B	AI



Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1207219

Project Number: 0236-001-102

Report Date: 05/02/12

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 01-06 Batch: WG531787-1										
Aluminum, Dissolved	ND		mg/l	0.10	0.02	1	04/26/12 12:45	05/02/12 08:33	1,6010B	AI
Arsenic, Dissolved	ND		mg/l	0.005	0.003	1	04/26/12 12:45	05/02/12 08:33	1,6010B	AI
Barium, Dissolved	ND		mg/l	0.010	0.001	1	04/26/12 12:45	05/02/12 08:33	1,6010B	AI
Cadmium, Dissolved	ND		mg/l	0.005	0.001	1	04/26/12 12:45	05/02/12 08:33	1,6010B	AI
Calcium, Dissolved	ND		mg/l	0.10	0.02	1	04/26/12 12:45	05/02/12 08:33	1,6010B	AI
Chromium, Dissolved	ND		mg/l	0.01	0.002	1	04/26/12 12:45	05/02/12 08:33	1,6010B	AI
Cobalt, Dissolved	ND		mg/l	0.020	0.002	1	04/26/12 12:45	05/02/12 08:33	1,6010B	AI
Copper, Dissolved	ND		mg/l	0.010	0.005	1	04/26/12 12:45	05/02/12 08:33	1,6010B	AI
Iron, Dissolved	ND		mg/l	0.05	0.02	1	04/26/12 12:45	05/02/12 08:33	1,6010B	AI
Lead, Dissolved	ND		mg/l	0.010	0.003	1	04/26/12 12:45	05/02/12 08:33	1,6010B	AI
Magnesium, Dissolved	ND		mg/l	0.10	0.05	1	04/26/12 12:45	05/02/12 08:33	1,6010B	AI
Manganese, Dissolved	ND		mg/l	0.010	0.001	1	04/26/12 12:45	05/02/12 08:33	1,6010B	AI
Nickel, Dissolved	ND		mg/l	0.025	0.003	1	04/26/12 12:45	05/02/12 08:33	1,6010B	AI
Potassium, Dissolved	ND		mg/l	2.5	0.80	1	04/26/12 12:45	05/02/12 08:33	1,6010B	AI
Selenium, Dissolved	ND		mg/l	0.010	0.003	1	04/26/12 12:45	05/02/12 08:33	1,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	0.002	1	04/26/12 12:45	05/02/12 08:33	1,6010B	AI
Sodium, Dissolved	ND		mg/l	2.0	0.80	1	04/26/12 12:45	05/02/12 08:33	1,6010B	AI
Vanadium, Dissolved	ND		mg/l	0.010	0.002	1	04/26/12 12:45	05/02/12 08:33	1,6010B	AI
Zinc, Dissolved	ND		mg/l	0.050	0.005	1	04/26/12 12:45	05/02/12 08:33	1,6010B	AI

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 01-06 Batch: WG531788-1										
Antimony, Dissolved	0.0002	J	mg/l	0.0005	0.0001	1	04/26/12 12:45	04/27/12 15:07	1,6020	AK
Beryllium, Dissolved	ND		mg/l	0.0005	0.0001	1	04/26/12 12:45	04/27/12 15:07	1,6020	AK
Thallium, Dissolved	ND		mg/l	0.0002	0.00003	1	04/26/12 12:45	04/27/12 15:07	1,6020	AK



Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1207219

Project Number: 0236-001-102

Report Date: 05/02/12

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 01-06 Batch: WG532085-1									
Mercury, Dissolved	ND	mg/l	0.0002	0.0001	1	04/27/12 17:00	04/30/12 09:32	1,7470A	KL

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285-295 NIAGARA ST SITE

Project Number: 0236-001-102

Lab Number: L1207219

Report Date: 05/02/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-06 Batch: WG531787-2								
Aluminum, Dissolved	100		-		80-120	-		
Arsenic, Dissolved	117		-		80-120	-		
Barium, Dissolved	104		-		80-120	-		
Cadmium, Dissolved	112		-		80-120	-		
Calcium, Dissolved	100		-		80-120	-		
Chromium, Dissolved	105		-		80-120	-		
Cobalt, Dissolved	104		-		80-120	-		
Copper, Dissolved	106		-		80-120	-		
Iron, Dissolved	100		-		80-120	-		
Lead, Dissolved	109		-		80-120	-		
Magnesium, Dissolved	100		-		80-120	-		
Manganese, Dissolved	101		-		80-120	-		
Nickel, Dissolved	103		-		80-120	-		
Potassium, Dissolved	100		-		80-120	-		
Selenium, Dissolved	114		-		80-120	-		
Silver, Dissolved	109		-		80-120	-		
Sodium, Dissolved	110		-		80-120	-		
Vanadium, Dissolved	107		-		80-120	-		
Zinc, Dissolved	105		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285-295 NIAGARA ST SITE

Project Number: 0236-001-102

Lab Number: L1207219

Report Date: 05/02/12

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-06 Batch: WG531788-2					
Antimony, Dissolved	91	-	80-120	-	
Beryllium, Dissolved	112	-	80-120	-	
Thallium, Dissolved	105	-	80-120	-	
Dissolved Metals - Westborough Lab Associated sample(s): 01-06 Batch: WG532085-2					
Mercury, Dissolved	114	-	70-130	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1207219

Project Number: 0236-001-102

Report Date: 05/02/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG531787-3 WG531787-4 QC Sample: L1207219-04 Client ID: MW-04												
Aluminum, Dissolved	0.26	2	2.3	102		2.4	107		75-125	4		20
Arsenic, Dissolved	ND	0.12	0.147	122		0.142	118		75-125	3		20
Barium, Dissolved	0.030	2	2.10	104		2.08	102		75-125	1		20
Cadmium, Dissolved	ND	0.051	0.056	110		0.055	108		75-125	2		20
Calcium, Dissolved	98.	10	110	120		110	120		75-125	0		20
Chromium, Dissolved	ND	0.2	0.21	105		0.21	105		75-125	0		20
Cobalt, Dissolved	0.013J	0.5	0.514	103		0.507	101		75-125	1		20
Copper, Dissolved	ND	0.25	0.263	105		0.261	104		75-125	1		20
Iron, Dissolved	0.40	1	1.4	100		1.6	120		75-125	13		20
Lead, Dissolved	ND	0.51	0.529	104		0.519	102		75-125	2		20
Magnesium, Dissolved	38.	10	48	100		47	90		75-125	2		20
Manganese, Dissolved	0.426	0.5	0.918	98		0.919	99		75-125	0		20
Nickel, Dissolved	0.027	0.5	0.524	99		0.515	98		75-125	2		20
Potassium, Dissolved	16.	10	26	100		27	110		75-125	4		20
Selenium, Dissolved	ND	0.12	0.140	117		0.139	116		75-125	1		20
Silver, Dissolved	ND	0.05	0.055	109		0.054	107		75-125	2		20
Sodium, Dissolved	91.	10	100	90		100	90		75-125	0		20
Vanadium, Dissolved	ND	0.5	0.532	106		0.526	105		75-125	1		20
Zinc, Dissolved	0.019J	0.5	0.529	106		0.524	105		75-125	1		20

Matrix Spike Analysis

Batch Quality Control

Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1207219

Project Number: 0236-001-102

Report Date: 05/02/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits		
Dissolved Metals - Westborough Lab Associated sample(s): 01-06				QC Batch ID: WG531788-3 WG531788-4		QC Sample: L1207219-04		Client ID: MW-04			
Antimony, Dissolved	0.0015	0.5	0.5461	109	0.5351	107	80-120	2	20		
Beryllium, Dissolved	ND	0.05	0.0527	105	0.0521	104	80-120	1	20		
Thallium, Dissolved	0.00004J	0.12	0.1257	105	0.1224	102	80-120	3	20		
Dissolved Metals - Westborough Lab Associated sample(s): 01-06				QC Batch ID: WG532085-3 WG532085-4		QC Sample: L1207219-04		Client ID: MW-04			
Mercury, Dissolved	ND	0.001	0.0014	145	Q	0.0015	151	Q	70-130	4	20

Project Name: 285-295 NIAGARA ST SITE

Lab Number: L1207219

Project Number: 0236-001-102

Report Date: 05/02/12

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler

B	Present/Intact
F	Present/Intact
C	Present/Intact
H	Present/Intact
E	Present/Intact
A	Present/Intact
D	Present/Intact
G	Present/Intact

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1207219-01A	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1207219-01B	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1207219-01C	Amber 1000ml unpreserved	D	7	4.9	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1207219-01D	Amber 1000ml unpreserved	D	7	4.9	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1207219-01E	Amber 1000ml unpreserved	D	7	4.9	Y	Absent	NYTCL-8082-1200ML(7)
L1207219-01F	Amber 1000ml unpreserved	D	7	4.9	Y	Absent	NYTCL-8082-1200ML(7)
L1207219-01G	Amber 1000ml unpreserved	D	7	4.9	Y	Absent	NYTCL-8081(7)
L1207219-01H	Amber 1000ml unpreserved	D	7	4.9	Y	Absent	NYTCL-8081(7)
L1207219-01I	Amber 1000ml unpreserved	D	7	4.9	Y	Absent	HERB-APA(7)
L1207219-01J	Amber 1000ml unpreserved	D	7	4.9	Y	Absent	HERB-APA(7)
L1207219-01K	Plastic 250ml unpreserved	D	7	4.9	Y	Absent	-
L1207219-01X	Plastic 250ml HNO3 preserved spl	D	<2	4.9	Y	Absent	PB-SI(180),FE-SI(180),BA-SI(180),BE-6020S(180),AG-SI(180),AS-SI(180),CU-SI(180),MN-SI(180),NA-SI(180),NI-SI(180),AL-SI(180),CD-SI(180),CO-SI(180),TL-6020S(180),CR-SI(180),K-SI(180),MG-SI(180),SB-6020S(180),CA-SI(180),HG-S(28),SE-SI(180),V-SI(180),ZN-SI(180)

*Values in parentheses indicate holding time in days



Project Name: 285-295 NIAGARA ST SITE

Project Number: 0236-001-102

Lab Number: L1207219

Report Date: 05/02/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1207219-02A	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1207219-02B	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1207219-02C	Amber 1000ml unpreserved	C	7	3.0	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1207219-02D	Amber 1000ml unpreserved	C	7	3.0	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1207219-02E	Amber 1000ml unpreserved	C	7	3.0	Y	Absent	NYTCL-8082-1200ML(7)
L1207219-02F	Amber 1000ml unpreserved	C	7	3.0	Y	Absent	NYTCL-8082-1200ML(7)
L1207219-02G	Amber 1000ml unpreserved	C	7	3.0	Y	Absent	NYTCL-8081(7)
L1207219-02H	Amber 1000ml unpreserved	C	7	3.0	Y	Absent	NYTCL-8081(7)
L1207219-02I	Amber 1000ml unpreserved	C	7	3.0	Y	Absent	HERB-APA(7)
L1207219-02J	Amber 1000ml unpreserved	C	7	3.0	Y	Absent	HERB-APA(7)
L1207219-02K	Plastic 250ml unpreserved	C	7	3.0	Y	Absent	-
L1207219-02X	Plastic 250ml HNO3 preserved spl	C	<2	3.0	Y	Absent	PB-SI(180),FE-SI(180),BA-SI(180),BE-6020S(180),AG-SI(180),AS-SI(180),CU-SI(180),MN-SI(180),NA-SI(180),NI-SI(180),AL-SI(180),CD-SI(180),CO-SI(180),TL-6020S(180),CR-SI(180),K-SI(180),MG-SI(180),SB-6020S(180),CA-SI(180),HG-S(28),SE-SI(180),V-SI(180),ZN-SI(180)
L1207219-03A	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1207219-03B	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1207219-03C	Amber 1000ml unpreserved	F	7	2.0	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1207219-03D	Amber 1000ml unpreserved	F	7	2.0	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1207219-03E	Amber 1000ml unpreserved	F	7	2.0	Y	Absent	NYTCL-8082-1200ML(7)
L1207219-03F	Amber 1000ml unpreserved	F	7	2.0	Y	Absent	NYTCL-8082-1200ML(7)
L1207219-03G	Amber 1000ml unpreserved	F	7	2.0	Y	Absent	NYTCL-8081(7)
L1207219-03H	Amber 1000ml unpreserved	F	7	2.0	Y	Absent	NYTCL-8081(7)
L1207219-03I	Amber 1000ml unpreserved	F	7	2.0	Y	Absent	HERB-APA(7)
L1207219-03J	Amber 1000ml unpreserved	F	7	2.0	Y	Absent	HERB-APA(7)
L1207219-03K	Plastic 250ml unpreserved	F	7	2.0	Y	Absent	-

*Values in parentheses indicate holding time in days



Project Name: 285-295 NIAGARA ST SITE

Project Number: 0236-001-102

Lab Number: L1207219

Report Date: 05/02/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1207219-03X	Plastic 250ml HNO3 preserved spl	F	<2	2.0	Y	Absent	PB-SI(180),FE-SI(180),BA-SI(180),BE-6020S(180),AG-SI(180),AS-SI(180),CU-SI(180),MN-SI(180),NA-SI(180),NI-SI(180),AL-SI(180),CD-SI(180),CO-SI(180),TL-6020S(180),CR-SI(180),K-SI(180),MG-SI(180),SB-6020S(180),CA-SI(180),HG-S(28),SE-SI(180),V-SI(180),ZN-SI(180)
L1207219-04A	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1207219-04A1	Amber 1000ml unpreserved	E	7	5.4	Y	Absent	HERB-APA(7)
L1207219-04A2	Amber 1000ml unpreserved	E	7	5.4	Y	Absent	HERB-APA(7)
L1207219-04A3	Amber 1000ml unpreserved	G	7	3.4	Y	Absent	HERB-APA(7)
L1207219-04A4	Amber 1000ml unpreserved	G	7	3.4	Y	Absent	HERB-APA(7)
L1207219-04A5	Amber 1000ml unpreserved	H	7	5.7	Y	Absent	HERB-APA(7)
L1207219-04A6	Amber 1000ml unpreserved	H	7	5.7	Y	Absent	HERB-APA(7)
L1207219-04B	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1207219-04B1	Plastic 250ml unpreserved	E	7	5.4	Y	Absent	-
L1207219-04B2	Plastic 250ml unpreserved	G	7	3.4	Y	Absent	-
L1207219-04B3	Plastic 250ml unpreserved	H	7	5.7	Y	Absent	-
L1207219-04C	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1207219-04C1	Plastic 250ml HNO3 preserved spl	E	<2	5.4	Y	Absent	PB-SI(180),FE-SI(180),BA-SI(180),BE-6020S(180),AG-SI(180),AS-SI(180),CU-SI(180),MN-SI(180),NA-SI(180),NI-SI(180),AL-SI(180),CD-SI(180),CO-SI(180),TL-6020S(180),CR-SI(180),K-SI(180),MG-SI(180),SB-6020S(180),CA-SI(180),HG-S(28),SE-SI(180),V-SI(180),ZN-SI(180)
L1207219-04C2	Plastic 250ml HNO3 preserved spl	G	<2	3.4	Y	Absent	PB-SI(180),FE-SI(180),BA-SI(180),BE-6020S(180),AG-SI(180),AS-SI(180),CU-SI(180),MN-SI(180),NA-SI(180),NI-SI(180),AL-SI(180),CD-SI(180),CO-SI(180),TL-6020S(180),CR-SI(180),K-SI(180),MG-SI(180),SB-6020S(180),CA-SI(180),HG-S(28),SE-SI(180),V-SI(180),ZN-SI(180)

*Values in parentheses indicate holding time in days



Project Name: 285-295 NIAGARA ST SITE

Project Number: 0236-001-102

Lab Number: L1207219

Report Date: 05/02/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1207219-04C3	Plastic 250ml HNO3 preserved spl	H	<2	5.7	Y	Absent	PB-SI(180),FE-SI(180),BA-SI(180),BE-6020S(180),AG-SI(180),AS-SI(180),CU-SI(180),MN-SI(180),NA-SI(180),NI-SI(180),AL-SI(180),CD-SI(180),CO-SI(180),TL-6020S(180),CR-SI(180),K-SI(180),MG-SI(180),SB-6020S(180),CA-SI(180),HG-S(28),SE-SI(180),V-SI(180),ZN-SI(180)
L1207219-04D	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1207219-04E	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1207219-04F	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1207219-04G	Amber 1000ml unpreserved	E	7	5.4	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1207219-04H	Amber 1000ml unpreserved	E	7	5.4	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1207219-04I	Amber 1000ml unpreserved	G	7	3.4	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1207219-04J	Amber 1000ml unpreserved	G	7	3.4	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1207219-04K	Amber 1000ml unpreserved	H	7	5.7	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1207219-04L	Amber 1000ml unpreserved	H	7	5.7	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1207219-04M	Amber 1000ml unpreserved	E	7	5.4	Y	Absent	NYTCL-8082-1200ML(7)
L1207219-04N	Amber 1000ml unpreserved	E	7	5.4	Y	Absent	NYTCL-8082-1200ML(7)
L1207219-04O	Amber 1000ml unpreserved	G	7	3.4	Y	Absent	NYTCL-8082-1200ML(7)
L1207219-04P	Amber 1000ml unpreserved	G	7	3.4	Y	Absent	NYTCL-8082-1200ML(7)
L1207219-04Q	Amber 1000ml unpreserved	H	7	5.7	Y	Absent	NYTCL-8082-1200ML(7)
L1207219-04R	Amber 1000ml unpreserved	H	7	5.7	Y	Absent	NYTCL-8082-1200ML(7)
L1207219-04S	Amber 1000ml unpreserved	E	7	5.4	Y	Absent	NYTCL-8081(7)
L1207219-04T	Amber 1000ml unpreserved	E	7	5.4	Y	Absent	NYTCL-8081(7)
L1207219-04U	Amber 1000ml unpreserved	G	7	3.4	Y	Absent	NYTCL-8081(7)
L1207219-04V	Amber 1000ml unpreserved	G	7	3.4	Y	Absent	NYTCL-8081(7)
L1207219-04W	Amber 1000ml unpreserved	H	7	5.7	Y	Absent	NYTCL-8081(7)
L1207219-04X	Amber 1000ml unpreserved	H	7	5.7	Y	Absent	NYTCL-8081(7)
L1207219-05A	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1207219-05B	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1207219-05C	Amber 1000ml unpreserved	A	7	3.4	Y	Absent	NYTCL-8082-1200ML(7)
L1207219-05D	Amber 1000ml unpreserved	A	7	3.4	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1207219-05E	Plastic 250ml unpreserved	A	7	3.4	Y	Absent	-

*Values in parentheses indicate holding time in days



Project Name: 285-295 NIAGARA ST SITE

Project Number: 0236-001-102

Lab Number: L1207219

Report Date: 05/02/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1207219-05X	Plastic 250ml HNO3 preserved spl	A	<2	3.4	Y	Absent	PB-SI(180),FE-SI(180),BA-SI(180),BE-6020S(180),AG-SI(180),AS-SI(180),CU-SI(180),MN-SI(180),NA-SI(180),NI-SI(180),AL-SI(180),CD-SI(180),CO-SI(180),TL-6020S(180),CR-SI(180),K-SI(180),MG-SI(180),SB-6020S(180),CA-SI(180),HG-S(28),SE-SI(180),V-SI(180),ZN-SI(180)
L1207219-06A	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1207219-06B	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1207219-06C	Amber 1000ml unpreserved	B	7	4.7	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1207219-06D	Amber 1000ml unpreserved	B	7	4.7	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1207219-06E	Amber 1000ml unpreserved	B	7	4.7	Y	Absent	NYTCL-8082-1200ML(7)
L1207219-06F	Amber 1000ml unpreserved	B	7	4.7	Y	Absent	NYTCL-8082-1200ML(7)
L1207219-06G	Amber 1000ml unpreserved	B	7	4.7	Y	Absent	NYTCL-8081(7)
L1207219-06H	Amber 1000ml unpreserved	B	7	4.7	Y	Absent	NYTCL-8081(7)
L1207219-06I	Amber 1000ml unpreserved	B	7	4.7	Y	Absent	HERB-APA(7)
L1207219-06J	Amber 1000ml unpreserved	B	7	4.7	Y	Absent	HERB-APA(7)
L1207219-06K	Plastic 250ml unpreserved	B	7	4.7	Y	Absent	-
L1207219-06X	Plastic 250ml HNO3 preserved spl	B	<2	4.7	Y	Absent	PB-SI(180),FE-SI(180),BA-SI(180),BE-6020S(180),AG-SI(180),AS-SI(180),CU-SI(180),MN-SI(180),NA-SI(180),NI-SI(180),AL-SI(180),CD-SI(180),CO-SI(180),TL-6020S(180),CR-SI(180),K-SI(180),MG-SI(180),SB-6020S(180),CA-SI(180),HG-S(28),SE-SI(180),V-SI(180),ZN-SI(180)
L1207219-07A	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1207219-07B	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)

Container Comments

L1207219-01K

L1207219-01X

L1207219-02K

L1207219-02X

L1207219-03K

*Values in parentheses indicate holding time in days



Project Name: 285-295 NIAGARA ST SITE**Project Number:** 0236-001-102**Lab Number:** L1207219**Report Date:** 05/02/12**Container Information**

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)

Container Comments

L1207219-03X

L1207219-04B1

L1207219-04B2

L1207219-04B3

L1207219-04C1

L1207219-04C2

L1207219-04C3

L1207219-05E

L1207219-05X

L1207219-06K

L1207219-06X

*Values in parentheses indicate holding time in days

Project Name: 285-295 NIAGARA ST SITE
Project Number: 0236-001-102

Lab Number: L1207219
Report Date: 05/02/12

GLOSSARY

Acronyms

EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

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

Terms

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 five times (5x) 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.
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 RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value 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.

Report Format: DU Report with "J" Qualifiers



Project Name: 285-295 NIAGARA ST SITE
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Data Qualifiers

- 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.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL). This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample.

Report Format: DU Report with "J" Qualifiers



Project Name: 285-295 NIAGARA ST SITE
Project Number: 0236-001-102

Lab Number: L1207219
Report Date: 05/02/12

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

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.



Certificate/Approval Program Summary

Last revised January 30, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. **NELAP Accredited Solid Waste/Soil.**

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3,3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.

Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 8081, 8082, 8330, 8151A, 624, 8260, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014A, 9040B, 9045C, 6010B, 7471A, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8330, 8151A, 8081A, 8082, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.

Drinking Water (Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: 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-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. *NELAP Accredited.*

Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3550B, 3580A, 3630C, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. *NELAP Accredited.*

Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500CI-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 6020A, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8081B, 8082, 8082A, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. *NELAP Accredited.*

Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. **NELAP Accredited.**
Drinking Water (Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 1312, 200.7, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P, BE. Organic Parameters: EPA 3510C, 3005A, 3630C, 5030B, 625, 624, 608, 8081A, 8081B, 8082, 802A, 8151A, 8260B, 8270C, 8270D, 8330)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 3060A, 6010B, 6010C, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH₃-H. Organic Parameters: 3540C, 3546, 3580A, 3630C, 5035, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260B, 8270C, 8270D, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. **NELAP Accredited via NY-DOH.**

Refer to MA-DEP Certificate for Potable and Non-Potable Water.

Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commission on Environmental Quality Certificate/Lab ID: T104704476-09-1. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH₃-H, 4500NO₂B, 4500P-E, 4500 S²⁻D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: EPA 3005A, 3015, 1312, 6010B, 6010C, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X. Organic Parameters: EPA 8260B)

Solid & Hazardous Waste (Inorganic Parameters: EPA 3050B, 1311, 1312, 6010B, 6010C, 9030B, 9010B, 9012A, 9014. Organic Parameters: EPA 5035, 5030B, 8260B.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.

Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO₃-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:

EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A**: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C**: Methyl naphthalene, Dimethyl naphthalene, Total Methyl naphthalenes, Total Dimethyl naphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625**: 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO₂ in a soil matrix, NO₃ in a soil matrix, SO₄ in a soil matrix.



ANALYTICAL REPORT

Lab Number:	L1207221
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Mike Lesakowski
Phone:	(716) 856-0599
Project Name:	285-295 NIAGRA ST SITE
Project Number:	0236-001-102
Report Date:	05/02/12

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: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), PA (68-02089), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), DOD (L2217.01), USDA (Permit #P330-11-00109), US Army Corps of Engineers.

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Project Name: 285-295 NIAGRA ST SITE
Project Number: 0236-001-102

Lab Number: L1207221
Report Date: 05/02/12

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1207221-01	SS-1	285-295 NIAGRA ST SITE	04/23/12 19:21
L1207221-02	IA-1	285-295 NIAGRA ST SITE	04/23/12 19:30
L1207221-03	SS-2	285-295 NIAGRA ST SITE	04/23/12 19:22
L1207221-04	IA-2	285-295 NIAGRA ST SITE	04/23/12 19:22
L1207221-05	OA-1	285-295 NIAGRA ST SITE	04/23/12 19:20
L1207221-06	BLIND	285-295 NIAGRA ST SITE	04/23/12 19:31

Project Name: 285-295 NIAGRA ST SITE
Project Number: 0236-001-102

Lab Number: L1207221
Report Date: 05/02/12

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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 free of charge for 30 days from the date the project is completed. After 30 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.

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

Project Name: 285-295 NIAGRA ST SITE
Project Number: 0236-001-102

Lab Number: L1207221
Report Date: 05/02/12

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on April 13, 2012.

The canister certification results are provided as an addendum.

L1207221-02 through -05 results for Acetone should be considered estimated due to co-elution with a non-target peak.

WG532332-3: Please note that 1,2,4,5-Tetramethylbenzene is not included in the spiking solution for this LCS.

L1207221-06 The RPD of the pre- and post-flow controller calibration check (21% RPD) was outside acceptable limits ($<$ or $=$ 20% RPD). The final pressure measured at the laboratory for the canister associated with this sample was -9.3 inches of mercury.

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:  Christopher J. Anderson

Title: Technical Director/Representative

Date: 05/02/12

AIR

Project Name: 285-295 NIAGRA ST SITE**Lab Number:** L1207221**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207221-01
Client ID: SS-1
Sample Location: 285-295 NIAGRA ST SITE
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 04/28/12 22:05
Analyst: RY

Date Collected: 04/23/12 19:21
Date Received: 04/25/12
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.448	0.200	--	2.22	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Acetone	20.4	1.00	--	48.4	2.38	--		1
Trichlorofluoromethane	0.216	0.200	--	1.21	1.12	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Carbon disulfide	0.451	0.200	--	1.40	0.623	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	0.690	0.200	--	2.04	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Chloroform	3.91	0.200	--	19.1	0.977	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1



Project Name: 285-295 NIAGRA ST SITE**Lab Number:** L1207221**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS****Lab ID:** L1207221-01**Date Collected:** 04/23/12 19:21**Client ID:** SS-1**Date Received:** 04/25/12**Sample Location:** 285-295 NIAGRA ST SITE**Field Prep:** Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.00	0.200	--	3.77	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.420	0.200	--	2.85	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.20	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1



Project Name: 285-295 NIAGRA ST SITE**Lab Number:** L1207221**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207221-01

Date Collected: 04/23/12 19:21

Client ID: SS-1

Date Received: 04/25/12

Sample Location: 285-295 NIAGRA ST SITE

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	0.397	0.200	--	1.95	0.983	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	0.241	0.200	--	1.45	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
1,2,4,5-Tetramethylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	102		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	94		60-140



Project Name: 285-295 NIAGRA ST SITE**Lab Number:** L1207221**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207221-02
Client ID: IA-1
Sample Location: 285-295 NIAGRA ST SITE
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/28/12 17:07
Analyst: RY

Date Collected: 04/23/12 19:30
Date Received: 04/25/12
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.453	0.200	--	2.24	0.989	--		1
Chloromethane	0.497	0.200	--	1.03	0.413	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Acetone	1.61	1.00	--	3.82	2.38	--		1
Trichlorofluoromethane	0.204	0.200	--	1.15	1.12	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	0.742	0.200	--	2.19	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	0.339	0.200	--	1.08	0.639	--		1



Project Name: 285-295 NIAGRA ST SITE**Lab Number:** L1207221**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207221-02

Date Collected: 04/23/12 19:30

Client ID: IA-1

Date Received: 04/25/12

Sample Location: 285-295 NIAGRA ST SITE

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.890	0.200	--	3.35	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	0.521	0.400	--	2.26	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.206	0.200	--	0.895	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.20	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1



Project Name: 285-295 NIAGRA ST SITE**Lab Number:** L1207221**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207221-02

Date Collected: 04/23/12 19:30

Client ID: IA-1

Date Received: 04/25/12

Sample Location: 285-295 NIAGRA ST SITE

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
1,2,4,5-Tetramethylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	95		60-140



Project Name: 285-295 NIAGRA ST SITE**Lab Number:** L1207221**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207221-02
Client ID: IA-1
Sample Location: 285-295 NIAGRA ST SITE
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 04/28/12 17:07
Analyst: RY

Date Collected: 04/23/12 19:30
Date Received: 04/25/12
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.064	0.020	--	0.402	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.122	0.020	--	0.827	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	82		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	92		60-140



Project Name: 285-295 NIAGRA ST SITE**Project Number:** 0236-001-102**Lab Number:** L1207221**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207221-03
Client ID: SS-2
Sample Location: 285-295 NIAGRA ST SITE
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 04/28/12 22:40
Analyst: RY

Date Collected: 04/23/12 19:22
Date Received: 04/25/12
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.510	0.200	--	2.52	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Acetone	5.65	1.00	--	13.4	2.38	--		1
Trichlorofluoromethane	0.249	0.200	--	1.40	1.12	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Carbon disulfide	0.642	0.200	--	2.00	0.623	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	0.648	0.200	--	1.91	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Chloroform	1.50	0.200	--	7.32	0.977	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	0.564	0.200	--	1.80	0.639	--		1



Project Name: 285-295 NIAGRA ST SITE**Lab Number:** L1207221**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS****Lab ID:** L1207221-03**Date Collected:** 04/23/12 19:22**Client ID:** SS-2**Date Received:** 04/25/12**Sample Location:** 285-295 NIAGRA ST SITE**Field Prep:** Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
Trichloroethene	0.900	0.200	--	4.84	1.07	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.41	0.200	--	5.31	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.299	0.200	--	2.03	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.20	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1



Project Name: 285-295 NIAGRA ST SITE**Lab Number:** L1207221**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS****Lab ID:** L1207221-03**Date Collected:** 04/23/12 19:22**Client ID:** SS-2**Date Received:** 04/25/12**Sample Location:** 285-295 NIAGRA ST SITE**Field Prep:** Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	0.376	0.200	--	1.85	0.983	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	0.223	0.200	--	1.34	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
1,2,4,5-Tetramethylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	91		60-140



Project Name: 285-295 NIAGRA ST SITE**Lab Number:** L1207221**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207221-04
Client ID: IA-2
Sample Location: 285-295 NIAGRA ST SITE
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/28/12 18:21
Analyst: RY

Date Collected: 04/23/12 19:22
Date Received: 04/25/12
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.458	0.200	--	2.26	0.989	--		1
Chloromethane	0.427	0.200	--	0.882	0.413	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Acetone	1.15	1.00	--	2.73	2.38	--		1
Trichlorofluoromethane	0.217	0.200	--	1.22	1.12	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	0.258	0.200	--	0.761	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	0.263	0.200	--	0.840	0.639	--		1



Project Name: 285-295 NIAGRA ST SITE**Lab Number:** L1207221**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207221-04

Date Collected: 04/23/12 19:22

Client ID: IA-2

Date Received: 04/25/12

Sample Location: 285-295 NIAGRA ST SITE

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.571	0.200	--	2.15	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.20	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1



Project Name: 285-295 NIAGRA ST SITE**Lab Number:** L1207221**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207221-04

Date Collected: 04/23/12 19:22

Client ID: IA-2

Date Received: 04/25/12

Sample Location: 285-295 NIAGRA ST SITE

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
1,2,4,5-Tetramethylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	87		60-140



Project Name: 285-295 NIAGRA ST SITE**Lab Number:** L1207221**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207221-04
Client ID: IA-2
Sample Location: 285-295 NIAGRA ST SITE
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 04/28/12 18:21
Analyst: RY

Date Collected: 04/23/12 19:22
Date Received: 04/25/12
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.061	0.020	--	0.384	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.095	0.020	--	0.644	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	83		60-140
bromochloromethane	94		60-140
chlorobenzene-d5	87		60-140



Project Name: 285-295 NIAGRA ST SITE**Lab Number:** L1207221**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207221-05
Client ID: OA-1
Sample Location: 285-295 NIAGRA ST SITE
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 04/28/12 16:30
Analyst: RY

Date Collected: 04/23/12 19:20
Date Received: 04/25/12
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.508	0.200	--	2.51	0.989	--		1
Chloromethane	0.594	0.200	--	1.23	0.413	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Acetone	1.96	1.00	--	4.66	2.38	--		1
Trichlorofluoromethane	0.248	0.200	--	1.39	1.12	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	0.369	0.200	--	1.09	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	0.234	0.200	--	0.748	0.639	--		1



Project Name: 285-295 NIAGRA ST SITE**Lab Number:** L1207221**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS****Lab ID:** L1207221-05**Date Collected:** 04/23/12 19:20**Client ID:** OA-1**Date Received:** 04/25/12**Sample Location:** 285-295 NIAGRA ST SITE**Field Prep:** Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.366	0.200	--	1.38	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.20	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1



Project Name: 285-295 NIAGRA ST SITE**Lab Number:** L1207221**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207221-05

Date Collected: 04/23/12 19:20

Client ID: OA-1

Date Received: 04/25/12

Sample Location: 285-295 NIAGRA ST SITE

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
1,2,4,5-Tetramethylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	82		60-140
Bromochloromethane	85		60-140
chlorobenzene-d5	84		60-140



Project Name: 285-295 NIAGRA ST SITE**Lab Number:** L1207221**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207221-05
Client ID: OA-1
Sample Location: 285-295 NIAGRA ST SITE
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 04/28/12 16:30
Analyst: RY

Date Collected: 04/23/12 19:20
Date Received: 04/25/12
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.073	0.020	--	0.459	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.056	0.020	--	0.380	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	73		60-140
bromochloromethane	86		60-140
chlorobenzene-d5	82		60-140

Project Name: 285-295 NIAGRA ST SITE**Lab Number:** L1207221**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207221-06
Client ID: BLIND
Sample Location: 285-295 NIAGRA ST SITE
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 04/28/12 23:17
Analyst: RY

Date Collected: 04/23/12 19:31
Date Received: 04/25/12
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.440	0.200	--	2.18	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Acetone	18.5	1.00	--	43.9	2.38	--		1
Trichlorofluoromethane	0.209	0.200	--	1.17	1.12	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Carbon disulfide	0.428	0.200	--	1.33	0.623	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	0.638	0.200	--	1.88	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Chloroform	3.50	0.200	--	17.1	0.977	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1



Project Name: 285-295 NIAGRA ST SITE**Lab Number:** L1207221**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207221-06

Date Collected: 04/23/12 19:31

Client ID: BLIND

Date Received: 04/25/12

Sample Location: 285-295 NIAGRA ST SITE

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.893	0.200	--	3.36	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.421	0.200	--	2.85	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.20	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1



Project Name: 285-295 NIAGRA ST SITE**Lab Number:** L1207221**Project Number:** 0236-001-102**Report Date:** 05/02/12**SAMPLE RESULTS**

Lab ID: L1207221-06

Date Collected: 04/23/12 19:31

Client ID: BLIND

Date Received: 04/25/12

Sample Location: 285-295 NIAGRA ST SITE

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	0.410	0.200	--	2.02	0.983	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	0.240	0.200	--	1.44	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
1,2,4,5-Tetramethylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	88		60-140



Project Name: 285-295 NIAGRA ST SITE

Lab Number: L1207221

Project Number: 0236-001-102

Report Date: 05/02/12

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 04/28/12 14:11

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-06 Batch: WG532332-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1



Project Name: 285-295 NIAGRA ST SITE**Lab Number:** L1207221**Project Number:** 0236-001-102**Report Date:** 05/02/12

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 04/28/12 14:11

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-06 Batch: WG532332-4								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.20	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1



Project Name: 285-295 NIAGRA ST SITE

Lab Number: L1207221

Project Number: 0236-001-102

Report Date: 05/02/12

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 04/28/12 14:11

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-06 Batch: WG532332-4								
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
1,2,4,5-Tetramethylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: 285-295 NIAGRA ST SITE**Lab Number:** L1207221**Project Number:** 0236-001-102**Report Date:** 05/02/12

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 04/28/12 14:11

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 02,04-05 Batch: WG532333-4								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285-295 NIAGRA ST SITE

Project Number: 0236-001-102

Lab Number: L1207221

Report Date: 05/02/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 Batch: WG532332-3								
Chlorodifluoromethane	81		-		70-130	-		
Propylene	97		-		70-130	-		
Propane	86		-		70-130	-		
Dichlorodifluoromethane	88		-		70-130	-		
Chloromethane	90		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	90		-		70-130	-		
Methanol	75		-		70-130	-		
Vinyl chloride	87		-		70-130	-		
1,3-Butadiene	88		-		70-130	-		
Butane	84		-		70-130	-		
Bromomethane	87		-		70-130	-		
Chloroethane	82		-		70-130	-		
Ethyl Alcohol	89		-		70-130	-		
Dichlorofluoromethane	78		-		70-130	-		
Vinyl bromide	83		-		70-130	-		
Acrolein	90		-		70-130	-		
Acetone	101		-		70-130	-		
Acetonitrile	97		-		70-130	-		
Trichlorofluoromethane	84		-		70-130	-		
iso-Propyl Alcohol	87		-		70-130	-		
Acrylonitrile	96		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285-295 NIAGRA ST SITE

Project Number: 0236-001-102

Lab Number: L1207221

Report Date: 05/02/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 Batch: WG532332-3								
Pentane	77		-		70-130	-		
Ethyl ether	91		-		70-130	-		
1,1-Dichloroethene	82		-		70-130	-		
Methylene chloride	84		-		70-130	-		
3-Chloropropene	85		-		70-130	-		
Carbon disulfide	86		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	88		-		70-130	-		
trans-1,2-Dichloroethene	78		-		70-130	-		
1,1-Dichloroethane	87		-		70-130	-		
Methyl tert butyl ether	96		-		70-130	-		
Vinyl acetate	116		-		70-130	-		
2-Butanone	104		-		70-130	-		
cis-1,2-Dichloroethene	101		-		70-130	-		
Ethyl Acetate	111		-		70-130	-		
Chloroform	98		-		70-130	-		
Tetrahydrofuran	114		-		70-130	-		
2,2-Dichloropropane	79		-		70-130	-		
1,2-Dichloroethane	90		-		70-130	-		
n-Hexane	90		-		70-130	-		
Isopropyl Ether	99		-		70-130	-		
Ethyl-Tert-Butyl-Ether	94		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285-295 NIAGRA ST SITE

Project Number: 0236-001-102

Lab Number: L1207221

Report Date: 05/02/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 Batch: WG532332-3								
1,1,1-Trichloroethane	88		-		70-130	-		
1,1-Dichloropropene	88		-		70-130	-		
Benzene	97		-		70-130	-		
Carbon tetrachloride	90		-		70-130	-		
Cyclohexane	92		-		70-130	-		
Tertiary-Amyl Methyl Ether	92		-		70-130	-		
Dibromomethane	91		-		70-130	-		
1,2-Dichloropropane	101		-		70-130	-		
Bromodichloromethane	93		-		70-130	-		
1,4-Dioxane	105		-		70-130	-		
Trichloroethene	92		-		70-130	-		
2,2,4-Trimethylpentane	96		-		70-130	-		
Heptane	94		-		70-130	-		
2,4,4-Trimethyl-1-Pentene	97		-		70-130	-		
cis-1,3-Dichloropropene	100		-		70-130	-		
4-Methyl-2-pentanone	102		-		70-130	-		
2,4,4-Trimethyl-2-Pentene	90		-		70-130	-		
trans-1,3-Dichloropropene	83		-		70-130	-		
1,1,2-Trichloroethane	103		-		70-130	-		
Toluene	98		-		70-130	-		
1,3-Dichloropropane	98		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285-295 NIAGRA ST SITE

Project Number: 0236-001-102

Lab Number: L1207221

Report Date: 05/02/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 Batch: WG532332-3								
2-Hexanone	103		-		70-130	-		
Dibromochloromethane	100		-		70-130	-		
1,2-Dibromoethane	103		-		70-130	-		
Butyl Acetate	109		-		70-130	-		
Octane	96		-		70-130	-		
Tetrachloroethene	100		-		70-130	-		
1,1,1,2-Tetrachloroethane	94		-		70-130	-		
Chlorobenzene	103		-		70-130	-		
Ethylbenzene	104		-		70-130	-		
p/m-Xylene	104		-		70-130	-		
Bromoform	98		-		70-130	-		
Styrene	108		-		70-130	-		
1,1,2,2-Tetrachloroethane	113		-		70-130	-		
o-Xylene	111		-		70-130	-		
1,2,3-Trichloropropane	100		-		70-130	-		
Nonane (C9)	99		-		70-130	-		
Isopropylbenzene	107		-		70-130	-		
Bromobenzene	100		-		70-130	-		
o-Chlorotoluene	101		-		70-130	-		
n-Propylbenzene	107		-		70-130	-		
p-Chlorotoluene	102		-		70-130	-		

Lab Control Sample Analysis Batch Quality Control

Project Name: 285-295 NIAGRA ST SITE

Project Number: 0236-001-102

Lab Number: L1207221

Report Date: 05/02/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 Batch: WG532332-3								
4-Ethyltoluene	103		-		70-130	-		
1,3,5-Trimethylbenzene	109		-		70-130	-		
tert-Butylbenzene	109		-		70-130	-		
1,2,4-Trimethylbenzene	115		-		70-130	-		
Decane (C10)	108		-		70-130	-		
Benzyl chloride	98		-		70-130	-		
1,3-Dichlorobenzene	109		-		70-130	-		
1,4-Dichlorobenzene	106		-		70-130	-		
sec-Butylbenzene	110		-		70-130	-		
p-Isopropyltoluene	105		-		70-130	-		
1,2-Dichlorobenzene	110		-		70-130	-		
n-Butylbenzene	114		-		70-130	-		
1,2-Dibromo-3-chloropropane	109		-		70-130	-		
Undecane	107		-		70-130	-		
Dodecane (C12)	104		-		70-130	-		
1,2,4-Trichlorobenzene	99		-		70-130	-		
Naphthalene	91		-		70-130	-		
1,2,3-Trichlorobenzene	98		-		70-130	-		
Hexachlorobutadiene	101		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285-295 NIAGRA ST SITE

Project Number: 0236-001-102

Lab Number: L1207221

Report Date: 05/02/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 02,04-05 Batch: WG532333-3								
Vinyl chloride	87		-		70-130	-		25
1,1-Dichloroethene	76		-		70-130	-		25
cis-1,2-Dichloroethene	91		-		70-130	-		25
1,1,1-Trichloroethane	72		-		70-130	-		25
Carbon tetrachloride	70		-		70-130	-		25
Trichloroethene	74		-		70-130	-		25
Tetrachloroethene	84		-		70-130	-		25

Lab Duplicate Analysis Batch Quality Control

Project Name: 285-295 NIAGRA ST SITE

Project Number: 0236-001-102

Lab Number: L1207221

Report Date: 05/02/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG532332-5 QC Sample: L1207395-01 Client ID: DUP Sample						
Vinyl chloride	19.0	18.0	ppbV	5		25
Acetone	366	350	ppbV	4		25
1,1-Dichloroethene	1.46	1.41	ppbV	3		25
Methylene chloride	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	1.02	ND	ppbV	NC		25
Methyl tert butyl ether	7.45	7.35	ppbV	1		25
2-Butanone	19.1	19.3	ppbV	1		25
cis-1,2-Dichloroethene	2.19	1.96	ppbV	11		25
Chloroform	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Benzene	34.8	29.3	ppbV	17		25
Carbon tetrachloride	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
Trichloroethene	2.39	2.16	ppbV	10		25
Toluene	19.6	17.0	ppbV	14		25
Tetrachloroethene	2.36	2.36	ppbV	0		25
Chlorobenzene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis Batch Quality Control

Project Name: 285-295 NIAGRA ST SITE

Project Number: 0236-001-102

Lab Number: L1207221

Report Date: 05/02/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG532332-5 QC Sample: L1207395-01 Client ID: DUP Sample					
Ethylbenzene	ND	ND	ppbV	NC	25
n-Propylbenzene	ND	ND	ppbV	NC	25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC	25
tert-Butylbenzene	ND	ND	ppbV	NC	25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
sec-Butylbenzene	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
n-Butylbenzene	ND	ND	ppbV	NC	25
XYLENE (TOTAL)	ND	ND	ppbV	NC	25

Project Name: 285-295 NIAGRA ST SITE

Serial_No:05021216:10
Lab Number: L1207221

Project Number: 0236-001-102

Report Date: 05/02/12

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1207221-01	SS-1	0026	#20 AMB	04/13/12	76894		-	-	-	Pass	9.8	10.7	9
L1207221-01	SS-1	1790	6.0L Can	04/13/12	76894	L1205786	Pass	-29.9	0.1	-	-	-	-
L1207221-02	IA-1	0240	#90 SV	04/13/12	76894		-	-	-	Pass	4.5	4.0	12
L1207221-02	IA-1	337	2.7L Can	04/13/12	76894	L1205184	Pass	-29.9	-4.9	-	-	-	-
L1207221-03	SS-2	0119	#20 AMB	04/13/12	76894		-	-	-	Pass	9.8	9.9	1
L1207221-03	SS-2	1788	6.0L Can	04/13/12	76894	L1205786	Pass	-29.9	-4.3	-	-	-	-
L1207221-04	IA-2	0262	#16 SV	04/13/12	76894		-	-	-	Pass	4.4	4.0	10
L1207221-04	IA-2	501	2.7L Can	04/13/12	76894	L1205184	Pass	-29.4	-4.7	-	-	-	-
L1207221-05	OA-1	0088	#20 AMB	04/13/12	76894		-	-	-	Pass	9.8	10.9	11
L1207221-05	OA-1	1792	6.0L Can	04/13/12	76894	L1205786	Pass	-29.9	0.0	-	-	-	-
L1207221-06	BLIND	0242	#20 AMB	04/13/12	76894		-	-	-	Pass	9.9	8.0	21
L1207221-06	BLIND	1793	6.0L Can	04/13/12	76894	L1205786	Pass	-29.9	-9.3	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1205184
Report Date: 05/02/12

Air Canister Certification Results

Lab ID: L1205184-01
Client ID: CAN 189 SHELF 13
Sample Location:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 03/28/12 19:59
Analyst: RY

Date Collected: 03/27/12 15:58
Date Received: 03/28/12
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.860	--		1
Propane	ND	0.200	--	ND	0.361	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1205184
Report Date: 05/02/12

Air Canister Certification Results

Lab ID: L1205184-01
Client ID: CAN 189 SHELF 13
Sample Location:

Date Collected: 03/27/12 15:58
Date Received: 03/28/12
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1205184
Report Date: 05/02/12

Air Canister Certification Results

Lab ID: L1205184-01
Client ID: CAN 189 SHELF 13
Sample Location:

Date Collected: 03/27/12 15:58
Date Received: 03/28/12
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
2,4,4-trimethyl-1-pentene	ND	0.500	--	ND	2.29	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
2,4,4-trimethyl-2-pentene	ND	0.500	--	ND	2.29	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.20	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1205184
Report Date: 05/02/12

Air Canister Certification Results

Lab ID: L1205184-01
Client ID: CAN 189 SHELF 13
Sample Location:

Date Collected: 03/27/12 15:58
Date Received: 03/28/12
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	88		60-140



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1205184**Project Number:** CANISTER QC BAT**Report Date:** 05/02/12**Air Canister Certification Results**

Lab ID: L1205184-01
Client ID: CAN 189 SHELF 13
Sample Location:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 03/28/12 19:59
Analyst: RY

Date Collected: 03/27/12 15:58
Date Received: 03/28/12
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.08	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1205184
Report Date: 05/02/12

Air Canister Certification Results

Lab ID: L1205184-01
Client ID: CAN 189 SHELF 13
Sample Location:

Date Collected: 03/27/12 15:58
Date Received: 03/28/12
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1

Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1205184**Project Number:** CANISTER QC BAT**Report Date:** 05/02/12**Air Canister Certification Results**

Lab ID: L1205184-01

Date Collected: 03/27/12 15:58

Client ID: CAN 189 SHELF 13

Date Received: 03/28/12

Sample Location:

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	96		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	89		60-140

Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1205786**Project Number:** CANISTER QC BAT**Report Date:** 05/02/12**Air Canister Certification Results**

Lab ID: L1205786-01
Client ID: CAN 1786 SHELF 51
Sample Location:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 04/07/12 19:34
Analyst: RY

Date Collected: 04/05/12 09:47
Date Received: 04/05/12
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.860	--		1
Propane	ND	0.200	--	ND	0.361	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1205786
Report Date: 05/02/12

Air Canister Certification Results

Lab ID: L1205786-01
Client ID: CAN 1786 SHELF 51
Sample Location:

Date Collected: 04/05/12 09:47
Date Received: 04/05/12
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1205786
Report Date: 05/02/12

Air Canister Certification Results

Lab ID: L1205786-01
Client ID: CAN 1786 SHELF 51
Sample Location:

Date Collected: 04/05/12 09:47
Date Received: 04/05/12
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.20	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1205786
Report Date: 05/02/12

Air Canister Certification Results

Lab ID: L1205786-01
Client ID: CAN 1786 SHELF 51
Sample Location:

Date Collected: 04/05/12 09:47
Date Received: 04/05/12
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	91		60-140



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1205786
Report Date: 05/02/12

Air Canister Certification Results

Lab ID: L1205786-01
Client ID: CAN 1786 SHELF 51
Sample Location:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 04/07/12 19:34
Analyst: RY

Date Collected: 04/05/12 09:47
Date Received: 04/05/12
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.08	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1205786
Report Date: 05/02/12

Air Canister Certification Results

Lab ID: L1205786-01
Client ID: CAN 1786 SHELF 51
Sample Location:

Date Collected: 04/05/12 09:47
Date Received: 04/05/12
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1205786**Project Number:** CANISTER QC BAT**Report Date:** 05/02/12**Air Canister Certification Results**

Lab ID: L1205786-01

Date Collected: 04/05/12 09:47

Client ID: CAN 1786 SHELF 51

Date Received: 04/05/12

Sample Location:

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	96		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	98		60-140

AIR Petro Can Certification

Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1205184**Project Number:** CANISTER QC BAT**Report Date:** 05/02/12**AIR CAN CERTIFICATION RESULTS**

Lab ID: L1205184-01
Client ID: CAN 189 SHELF 13
Sample Location: Not Specified
Matrix: Air
Analytical Method: 96,APH
Analytical Date: 03/29/12 17:58
Analyst: RY

Date Collected: 03/27/12 15:58
Date Received: 03/28/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	2.0	--	1
Methyl tert butyl ether	ND		ug/m3	2.0	--	1
Benzene	ND		ug/m3	2.0	--	1
Toluene	ND		ug/m3	2.0	--	1
C5-C8 Aliphatics, Adjusted	ND		ug/m3	12	--	1
Ethylbenzene	ND		ug/m3	2.0	--	1
p/m-Xylene	ND		ug/m3	4.0	--	1
o-Xylene	ND		ug/m3	2.0	--	1
Naphthalene	ND		ug/m3	2.0	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/m3	14	--	1
C9-C10 Aromatics Total	ND		ug/m3	10	--	1

Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1205786**Project Number:** CANISTER QC BAT**Report Date:** 05/02/12**AIR CAN CERTIFICATION RESULTS**

Lab ID: L1205786-01
Client ID: CAN 1786 SHELF 51
Sample Location: Not Specified
Matrix: Air
Analytical Method: 96,APH
Analytical Date: 04/06/12 18:26
Analyst: MB

Date Collected: 04/05/12 09:47
Date Received: 04/05/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	2.0	--	1
Methyl tert butyl ether	ND		ug/m3	2.0	--	1
Benzene	ND		ug/m3	2.0	--	1
Toluene	ND		ug/m3	2.0	--	1
C5-C8 Aliphatics, Adjusted	ND		ug/m3	12	--	1
Ethylbenzene	ND		ug/m3	2.0	--	1
p/m-Xylene	ND		ug/m3	4.0	--	1
o-Xylene	ND		ug/m3	2.0	--	1
Naphthalene	ND		ug/m3	2.0	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/m3	14	--	1
C9-C10 Aromatics Total	ND		ug/m3	10	--	1

Project Name: 285-295 NIAGRA ST SITE**Lab Number:** L1207221**Project Number:** 0236-001-102**Report Date:** 05/02/12**Sample Receipt and Container Information**

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA**Cooler Information Custody Seal****Cooler**

N/A Present/Intact

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1207221-01A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	TO15-LL(30)
L1207221-02A	Canister - 2.7 Liter	N/A	N/A		Y	Present/Intact	TO15-LL(30),TO15-SIM(30)
L1207221-03A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	TO15-LL(30)
L1207221-04A	Canister - 2.7 Liter	N/A	N/A		Y	Present/Intact	TO15-LL(30),TO15-SIM(30)
L1207221-05A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	TO15-LL(30),TO15-SIM(30)
L1207221-06A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name: 285-295 NIAGRA ST SITE
Project Number: 0236-001-102

Lab Number: L1207221
Report Date: 05/02/12

GLOSSARY

Acronyms

EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

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

Terms

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 five times (5x) 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.
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 RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value 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.

Report Format: Data Usability Report



Project Name: 285-295 NIAGRA ST SITE
Project Number: 0236-001-102

Lab Number: L1207221
Report Date: 05/02/12

Data Qualifiers

- 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.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the reporting limit (RL) for the sample.

Project Name: 285-295 NIAGRA ST SITE
Project Number: 0236-001-102

Lab Number: L1207221
Report Date: 05/02/12

REFERENCES

- 48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

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.



Certificate/Approval Program Summary

Last revised January 30, 2012 – Mansfield Facility

The following list includes only those analytes/methods for which certification/approval is currently held. For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0141.

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable), Total Cyanide. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Organic Carbon, Total Cyanide, Corrosivity, TCLP 1311. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Florida Department of Health Certificate/Lab ID: E87814. *NELAP Accredited.*

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, SM2540G.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. *NELAP Accredited.*

Non-Potable Water (Inorganic Parameters: EPA 180.1, 245.7, 1631E, 3020, 6020A, 7470A, 9040, 9050A, SM2320B, 2540D, 2540G, 4500H-B, Organic Parameters: EPA 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 5030B, 8015D, 3570, 8081B, 8082A, 8260B, 8270C, 8270D.)

Solid & Chemical Materials (Inorganic Parameters: EPA 1311, 3050, 3051A, 3060A, 6020A, 7196A, 7470A, 7471B, 7474, 9040B, 9045C, 9060. Organic Parameters: EPA 3540C, 3570B, 3580A, 3630C, 3640A, 3660, 3665A, 5035, 8015D, 8081B, 8082A, 8260B, 8270C, 8270D.)

Biological Tissue (Inorganic Parameters: EPA 6020A. Organic Parameters: EPA 3570, 3510C, 3610B, 3630C, 3640A, 8270C, 8270D.)

Air & Emissions (EPA TO-15.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. *NELAP Accredited.*

Non-Potable Water (Inorganic Parameters: EPA 245.7, 1631E, 6020A, 7470A, 9040B, 9050A, SM2540D, 2540G, 4500H+B, 2320B. Organic Parameters: EPA 8081B, 8082A, 8260B, 8270C, 8015D.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 1311, 1312, 3050B, 3051A, 3060A, 6020A, 7471A, 9040B, 9045C, 7196A. Organic Parameters: SW-846 3540C, 3580A, 3630C, 3640A, 3660B, 3665A, 5035, 8260B, 8270C, 8015D, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. *NELAP Accredited.*

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3010, 3020A, SM2320B, SM2540D, 2540G, EPA 180.1, 1631E, SW-846 7470A, 9040B, 6020, 9050A. Organic Parameters: SW-846 3510C, 3580A, 5030B, 5035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8015B 8081A, 8082, 8260B, 8270C)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6020, 1311, 1312, 3050B, 3051, 3060A, 7196A, 7470A, 7471A, 7474, 9040B, 9045C, 9060. Organic Parameters: SW-846 3540C, 3570, 3580A, 5030B, 5035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082, 8260B, 8270C, 8015B.)

Atmospheric Organic Parameters (EPA TO-15)

Biological Tissue (Inorganic Parameters: SW-846 6020 Organic Parameters: SW-846 8270C, 3510C, 3570, 3610C, 3630C, 3640A)

New York Department of Health Certificate/Lab ID: 11627. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, EPA 200.8, 6020, 1631E, 245.1, 245.7, 7470A, 9014, 9040B, 9050, 120.1, 4500CN-E, 4500H-B, EPA 376.2, 180.1, 3020A. Organic Parameters: EPA 8260B, 8270C, 8081A, 8082, 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 6020, 7196A, 3060A, 7471A, 7474, 9014, 9040B, 9045C, 9010B. Organic Parameters: EPA 8260B, 8270C, 8081A, DRO 8015B, 8082, 1311, 1312, 3050B, 3580, 3570, 3051, 5035, 5030B.)

Air & Emissions (EPA TO-15.)

Pennsylvania Certificate/Lab ID: 68-02089 **NELAP Accredited**

Solid & Hazardous Waste (Inorganic Parameters: EPA 6020A, 7471B, 7474. Organic Parameters: EPA 3050B, 3540C, 3630C, 8270C, 8081B, 8082A.)

Rhode Island Department of Health Certificate/Lab ID: LAO00299. **NELAP Accredited via LA-DEQ.**

Refer to LA-DEQ Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX. **NELAP Accredited.**

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 1311, 7196, 9040, 9045, 9060. Organic Parameters: EPA 8015, 8270, 8260, 8081, 8082.)

Air (Organic Parameters: EPA TO-15)

Washington State Department of Ecology Certificate/Lab ID: C954. *Non-Potable Water* (Inorganic Parameters: SM2540D, 180.1, 1631E.)

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 7474, 9045C, 9050A, 9060. Organic Parameters: EPA 8081, 8082, 8015 Mod, 8270.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460194. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: EPA 3020A, 6020A, 245.7, 9040B, SM4500H-B. Organic Parameters: EPA 3510C, 3640A, 3660B, 3665A, 8270C, 8270D, 8082A, 8081B.)

Solid & Chemical Materials (Inorganic Parameters: EPA 6020A, 7470A, 7471B, 9040B, 9045C, 3050B, 3051. Organic Parameters: EPA 3540C, 3580A, 3630C, 3640A, 3660B, 3665A, 3570, 8270C, 8270D, 8081B, 8082A, 8015D.)

U.S. Army Corps of Engineers

Department of Defense, L-A-B Certificate/Lab ID: L2217.01.

Non-Potable Water (Inorganic Parameters: EPA 6020A, SM4500H-B. Organic Parameters: 3020A, 3510C, 5030B, 8260B, 8270C, 8270C-ALK-PAH, 8082, 8081A, 8015D-SHC, 8015D.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 3050B, 6020A, 7471A, 9045C, 9060, SM 2540G, ASTM D422-63. Organic Parameters: EPA 3580A, 3570, 3540C, 5035A, 8260B, 8270C, 8270-ALK-PAH, 8082, 8081A, 8015D-SHC, 8015D.)

Air & Emissions (EPA TO-15.)

Analytes Not Accredited by NELAP

Certification is not available by NELAP for the following analytes: **8270C**: Biphenyl. **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, 2-Methylnaphthalene, 1-Methylnaphthalene.



CHAIN OF CUSTODY

AIR ANALYSIS

PAGE _____ OF _____

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

Client Information

Client: Turnkey
 Address: 2558 Hamburg Turnpike
Buffalo NY 14218

Phone: 716-856-0599

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 285-29th Niagara St Site

Project Location: " "

Project #: 0236-001-102

Project Manager: Mike Losakoski

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due:

Time:

Date Rec'd in Lab:

Report Information - Data Deliverables

☐ FAX

☐ ADEX

Criteria Checker: _____

(Default based on Regulatory Criteria Indicated)

Other Formats: _____

☒ EMAIL (standard pdf report)

☐ Additional Deliverables: _____

Report to: (if different than Project Manager)

ALPHA Job #: L1209221

Billing Information

☒ Same as Client info PO #: _____

Regulatory Requirements/Report Limits

State/Fed Program Criteria

ANALYSIS

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection										TO-14A	TO-15	TO-15	APH	FIXED	TO-13A	TO-41	Sample Comments (i.e. PID)
		Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller								
0722601	SS-1	4-23-12	1140	1921	28.69	0.0	SV	BMG	6L	1790	0026	X						Cat B	
02	IA-1	↓	1139	1930	28.83	5.13	AA	↓	2.7	337	0240	X						↓	
03	SS-2		1137	1922	29.06	4.51	SV		6L	1788	119	X							
04	IA-2		1137	1922	28.09	4.93	AA		2.7	501	262	X							
05	OA-1		1143	1920	28.64	1.20	AA		6L	1792	088	X							
06	Blind		0800	1931	28.81	9.16	SV		6L	1793	242	X							

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)

SV = Soil Vapor/Landfill Gas/SVE

Other = Please Specify

Container Type

CS

6

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Rel: Fed Ex 4/25/12 @ 14:10

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Relinquished By:

Brock Greene

Nathan

James Ruckus

Date/Time

24 April 2012
4/24/12 1730

Received By:

James Ruckus
Fed Ex

Date/Time:

4/24/12 1100



ANALYTICAL REPORT

Lab Number:	L1223501
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Mike Lesakowski
Phone:	(716) 856-0599
Project Name:	285 NIAGARA
Project Number:	0236-001-101
Report Date:	01/17/13

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



Project Name: 285 NIAGARA
Project Number: 0236-001-101

Lab Number: L1223501
Report Date: 01/17/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1223501-01	BOTTOM 1	285 NIAGARA ST	12/27/12 15:30
L1223501-02	SW-1	285 NIAGARA ST	12/27/12 15:35
L1223501-03	SW-2	285 NIAGARA ST	12/27/12 16:20
L1223501-04	BLIND DUP	285 NIAGARA ST	12/27/12 08:00
L1223501-05	SW-3	285 NIAGARA ST	12/28/12 14:00
L1223501-06	SW-4	285 NIAGARA ST	12/28/12 14:15

Project Name: 285 NIAGARA
Project Number: 0236-001-101

Lab Number: L1223501
Report Date: 01/17/13

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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 free of charge for 30 days from the date the project is completed. After 30 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.

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

Project Name: 285 NIAGARA
Project Number: 0236-001-101

Lab Number: L1223501
Report Date: 01/17/13

Case Narrative (continued)

Report Submission

This report replaces the report issued on January 2, 2013. The full NYTCL analyte list is now reported for the Volatile Organics analysis.

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

Volatile Organics

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

The surrogate recovery for L1223501-06 is below the acceptance criteria for Dibromofluoromethane (67%), due to a known matrix effect caused by the high pH of the sample (>10).

The WG582139-7/-8 MS/MSD recoveries, performed on L1223501-01, were outside the acceptance criteria for Dibromochloromethane (MSD at 69%), Bromoform (MSD at 68%), 1,1,2,2-Tetrachloroethane (MSD at 68%), 1,2-Dichlorobenzene (MSD at 68%), 1,3-Dichlorobenzene (MSD at 68%), 1,4-Dichlorobenzene (MSD at 67%), p/m-xylene (MS at 134%), Dibromomethane (MSD at 68%), Vinyl acetate (61%/60%), 1,2-Dibromoethane (MSD at 68%), 1,2-Dibromo-3-chloropropane (67%/63%), Hexachlorobutadiene (MSD at 64%), Naphthalene (MS at 134%), Acrylonitrile (67%/65%), 1,2,3-Trichlorobenzene (63%/55%), 1,2,4-Trichlorobenzene (68%/59%), 1,3,5-Trimethylbenzene (153%/136%), 1,2,4-Trimethylbenzene (410%/355%), 1,4-Diethylbenzene (MS at 198%), 4-Ethyltoluene (238%/210%), and 1,2,4,5-Tetramethylbenzene (MS at 134%); however, the associated LCS/LCSD recoveries were within criteria.

The WG582139-7/-8 MS/MSD RPD, performed on L1223501-01, is above the acceptance criteria for 1,4-Diethylbenzene (70%).

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:



Cynthia McQueen

Title: Technical Director/Representative

Date: 01/17/13

ORGANICS

VOLATILES

Project Name: 285 NIAGARA**Lab Number:** L1223501**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1223501-01
Client ID: BOTTOM 1
Sample Location: 285 NIAGARA ST
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/30/12 15:24
Analyst: BN
Percent Solids: 84%

Date Collected: 12/27/12 15:30
Date Received: 12/29/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.35	1
Chloroform	ND		ug/kg	1.8	0.39	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.2	0.30	1
Dibromochloromethane	ND		ug/kg	1.2	0.37	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.47	1
Tetrachloroethene	ND		ug/kg	1.2	0.36	1
Chlorobenzene	ND		ug/kg	1.2	0.22	1
Trichlorofluoromethane	ND		ug/kg	6.0	0.46	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.32	1
Bromodichloromethane	ND		ug/kg	1.2	0.46	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.36	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
1,1-Dichloropropene	ND		ug/kg	6.0	0.54	1
Bromoform	ND		ug/kg	4.8	0.59	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.28	1
Benzene	ND		ug/kg	1.2	0.35	1
Toluene	ND		ug/kg	1.8	0.29	1
Ethylbenzene	ND		ug/kg	1.2	0.26	1
Chloromethane	ND		ug/kg	6.0	0.93	1
Bromomethane	ND		ug/kg	2.4	0.77	1
Vinyl chloride	ND		ug/kg	2.4	0.90	1
Chloroethane	ND		ug/kg	2.4	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.47	1
Trichloroethene	ND		ug/kg	1.2	0.27	1
1,2-Dichlorobenzene	ND		ug/kg	6.0	0.43	1
1,3-Dichlorobenzene	ND		ug/kg	6.0	0.48	1
1,4-Dichlorobenzene	ND		ug/kg	6.0	0.50	1

Project Name: 285 NIAGARA**Lab Number:** L1223501**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1223501-01
 Client ID: BOTTOM 1
 Sample Location: 285 NIAGARA ST

Date Collected: 12/27/12 15:30
 Date Received: 12/29/12
 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	2.4	0.58	1
p/m-Xylene	ND		ug/kg	2.4	0.51	1
o-Xylene	ND		ug/kg	2.4	0.50	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.36	1
Dibromomethane	ND		ug/kg	12	0.52	1
Styrene	ND		ug/kg	2.4	0.86	1
Dichlorodifluoromethane	ND		ug/kg	12	0.46	1
Acetone	ND		ug/kg	12	3.8	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	ND		ug/kg	12	4.6	1
Vinyl acetate	ND		ug/kg	12	0.89	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.97	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.46	1
2-Hexanone	ND		ug/kg	12	0.47	1
Bromochloromethane	ND		ug/kg	6.0	0.36	1
2,2-Dichloropropane	ND		ug/kg	6.0	0.95	1
1,2-Dibromoethane	ND		ug/kg	4.8	0.49	1
1,3-Dichloropropane	ND		ug/kg	6.0	0.67	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.39	1
Bromobenzene	ND		ug/kg	6.0	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.37	1
sec-Butylbenzene	ND		ug/kg	1.2	0.33	1
tert-Butylbenzene	ND		ug/kg	6.0	0.72	1
o-Chlorotoluene	ND		ug/kg	6.0	0.37	1
p-Chlorotoluene	ND		ug/kg	6.0	0.43	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.0	1.0	1
Hexachlorobutadiene	ND		ug/kg	6.0	0.54	1
Isopropylbenzene	ND		ug/kg	1.2	0.21	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.32	1
Naphthalene	ND		ug/kg	6.0	0.92	1
Acrylonitrile	ND		ug/kg	12	0.45	1
n-Propylbenzene	ND		ug/kg	1.2	0.34	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.0	0.48	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.0	0.94	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.0	0.72	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.0	0.68	1
1,4-Dioxane	ND		ug/kg	120	21.	1
1,4-Diethylbenzene	ND		ug/kg	4.8	0.24	1
4-Ethyltoluene	ND		ug/kg	4.8	0.12	1

Project Name: 285 NIAGARA**Lab Number:** L1223501**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1223501-01
 Client ID: BOTTOM 1
 Sample Location: 285 NIAGARA ST

Date Collected: 12/27/12 15:30
 Date Received: 12/29/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.8	0.22	1
Ethyl ether	ND		ug/kg	6.0	0.45	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.0	1.8	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	97		70-130

Project Name: 285 NIAGARA**Lab Number:** L1223501**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1223501-02
Client ID: SW-1
Sample Location: 285 NIAGARA ST
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/30/12 15:52
Analyst: BN
Percent Solids: 86%

Date Collected: 12/27/12 15:35
Date Received: 12/29/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.34	1
Chloroform	ND		ug/kg	1.7	0.38	1
Carbon tetrachloride	ND		ug/kg	1.2	0.24	1
1,2-Dichloropropane	ND		ug/kg	4.1	0.30	1
Dibromochloromethane	ND		ug/kg	1.2	0.36	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.46	1
Tetrachloroethene	ND		ug/kg	1.2	0.36	1
Chlorobenzene	ND		ug/kg	1.2	0.22	1
Trichlorofluoromethane	ND		ug/kg	5.8	0.46	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.31	1
Bromodichloromethane	ND		ug/kg	1.2	0.45	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.35	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.31	1
1,1-Dichloropropene	ND		ug/kg	5.8	0.53	1
Bromoform	ND		ug/kg	4.6	0.58	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.28	1
Benzene	ND		ug/kg	1.2	0.34	1
Toluene	ND		ug/kg	1.7	0.28	1
Ethylbenzene	ND		ug/kg	1.2	0.26	1
Chloromethane	ND		ug/kg	5.8	0.91	1
Bromomethane	ND		ug/kg	2.3	0.75	1
Vinyl chloride	ND		ug/kg	2.3	0.88	1
Chloroethane	ND		ug/kg	2.3	0.51	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.46	1
Trichloroethene	ND		ug/kg	1.2	0.26	1
1,2-Dichlorobenzene	ND		ug/kg	5.8	0.42	1
1,3-Dichlorobenzene	ND		ug/kg	5.8	0.46	1
1,4-Dichlorobenzene	ND		ug/kg	5.8	0.49	1

Project Name: 285 NIAGARA**Lab Number:** L1223501**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1223501-02
 Client ID: SW-1
 Sample Location: 285 NIAGARA ST

Date Collected: 12/27/12 15:35
 Date Received: 12/29/12
 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	0.57	1
p/m-Xylene	ND		ug/kg	2.3	0.50	1
o-Xylene	ND		ug/kg	2.3	0.48	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.35	1
Dibromomethane	ND		ug/kg	12	0.50	1
Styrene	ND		ug/kg	2.3	0.84	1
Dichlorodifluoromethane	ND		ug/kg	12	0.45	1
Acetone	20		ug/kg	12	3.8	1
Carbon disulfide	ND		ug/kg	12	2.3	1
2-Butanone	8.2	J	ug/kg	12	4.5	1
Vinyl acetate	ND		ug/kg	12	0.87	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.95	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.45	1
2-Hexanone	ND		ug/kg	12	0.46	1
Bromochloromethane	ND		ug/kg	5.8	0.35	1
2,2-Dichloropropane	ND		ug/kg	5.8	0.92	1
1,2-Dibromoethane	ND		ug/kg	4.6	0.48	1
1,3-Dichloropropane	ND		ug/kg	5.8	0.66	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.38	1
Bromobenzene	ND		ug/kg	5.8	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.36	1
sec-Butylbenzene	ND		ug/kg	1.2	0.32	1
tert-Butylbenzene	ND		ug/kg	5.8	0.70	1
o-Chlorotoluene	ND		ug/kg	5.8	0.36	1
p-Chlorotoluene	ND		ug/kg	5.8	0.42	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.8	0.97	1
Hexachlorobutadiene	ND		ug/kg	5.8	0.53	1
Isopropylbenzene	ND		ug/kg	1.2	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.32	1
Naphthalene	ND		ug/kg	5.8	0.89	1
Acrylonitrile	ND		ug/kg	12	0.44	1
n-Propylbenzene	ND		ug/kg	1.2	0.33	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.8	0.47	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.8	0.92	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.8	0.70	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.8	0.67	1
1,4-Dioxane	ND		ug/kg	120	20.	1
1,4-Diethylbenzene	ND		ug/kg	4.6	0.23	1
4-Ethyltoluene	1.2	J	ug/kg	4.6	0.11	1

Project Name: 285 NIAGARA**Lab Number:** L1223501**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1223501-02
 Client ID: SW-1
 Sample Location: 285 NIAGARA ST

Date Collected: 12/27/12 15:35
 Date Received: 12/29/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

1,2,4,5-Tetramethylbenzene	0.26	J	ug/kg	4.6	0.21	1
Ethyl ether	ND		ug/kg	5.8	0.44	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.8	1.7	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	94		70-130

Project Name: 285 NIAGARA**Lab Number:** L1223501**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1223501-03 D
Client ID: SW-2
Sample Location: 285 NIAGARA ST
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/31/12 08:49
Analyst: BN
Percent Solids: 86%

Date Collected: 12/27/12 16:20
Date Received: 12/29/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5800	1200	500
1,1-Dichloroethane	ND		ug/kg	870	170	500
Chloroform	ND		ug/kg	870	190	500
Carbon tetrachloride	ND		ug/kg	580	120	500
1,2-Dichloropropane	ND		ug/kg	2000	150	500
Dibromochloromethane	ND		ug/kg	580	180	500
1,1,2-Trichloroethane	ND		ug/kg	870	230	500
Tetrachloroethene	ND		ug/kg	580	180	500
Chlorobenzene	ND		ug/kg	580	110	500
Trichlorofluoromethane	ND		ug/kg	2900	230	500
1,2-Dichloroethane	ND		ug/kg	580	130	500
1,1,1-Trichloroethane	ND		ug/kg	580	160	500
Bromodichloromethane	ND		ug/kg	580	220	500
trans-1,3-Dichloropropene	ND		ug/kg	580	170	500
cis-1,3-Dichloropropene	ND		ug/kg	580	160	500
1,1-Dichloropropene	ND		ug/kg	2900	260	500
Bromoform	ND		ug/kg	2300	290	500
1,1,2,2-Tetrachloroethane	ND		ug/kg	580	140	500
Benzene	ND		ug/kg	580	170	500
Toluene	9400		ug/kg	870	140	500
Ethylbenzene	9100		ug/kg	580	130	500
Chloromethane	ND		ug/kg	2900	460	500
Bromomethane	ND		ug/kg	1200	380	500
Vinyl chloride	ND		ug/kg	1200	440	500
Chloroethane	ND		ug/kg	1200	250	500
1,1-Dichloroethene	ND		ug/kg	580	150	500
trans-1,2-Dichloroethene	ND		ug/kg	870	230	500
Trichloroethene	ND		ug/kg	580	130	500
1,2-Dichlorobenzene	ND		ug/kg	2900	210	500
1,3-Dichlorobenzene	ND		ug/kg	2900	230	500
1,4-Dichlorobenzene	ND		ug/kg	2900	240	500

Project Name: 285 NIAGARA**Lab Number:** L1223501**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1223501-03 D

Date Collected: 12/27/12 16:20

Client ID: SW-2

Date Received: 12/29/12

Sample Location: 285 NIAGARA ST

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	1200	280	500
p/m-Xylene	52000		ug/kg	1200	250	500
o-Xylene	19000		ug/kg	1200	240	500
cis-1,2-Dichloroethene	ND		ug/kg	580	180	500
Dibromomethane	ND		ug/kg	5800	250	500
Styrene	ND		ug/kg	1200	420	500
Dichlorodifluoromethane	ND		ug/kg	5800	230	500
Acetone	ND		ug/kg	5800	1900	500
Carbon disulfide	ND		ug/kg	5800	1200	500
2-Butanone	ND		ug/kg	5800	2200	500
Vinyl acetate	ND		ug/kg	5800	440	500
4-Methyl-2-pentanone	ND		ug/kg	5800	470	500
1,2,3-Trichloropropane	ND		ug/kg	5800	220	500
2-Hexanone	ND		ug/kg	5800	230	500
Bromochloromethane	ND		ug/kg	2900	180	500
2,2-Dichloropropane	ND		ug/kg	2900	460	500
1,2-Dibromoethane	ND		ug/kg	2300	240	500
1,3-Dichloropropane	ND		ug/kg	2900	330	500
1,1,1,2-Tetrachloroethane	ND		ug/kg	580	190	500
Bromobenzene	ND		ug/kg	2900	130	500
n-Butylbenzene	2900		ug/kg	580	180	500
sec-Butylbenzene	840		ug/kg	580	160	500
tert-Butylbenzene	ND		ug/kg	2900	350	500
o-Chlorotoluene	ND		ug/kg	2900	180	500
p-Chlorotoluene	ND		ug/kg	2900	210	500
1,2-Dibromo-3-chloropropane	ND		ug/kg	2900	490	500
Hexachlorobutadiene	ND		ug/kg	2900	270	500
Isopropylbenzene	1200		ug/kg	580	100	500
p-Isopropyltoluene	460	J	ug/kg	580	160	500
Naphthalene	7100		ug/kg	2900	450	500
Acrylonitrile	ND		ug/kg	5800	220	500
n-Propylbenzene	6600		ug/kg	580	160	500
1,2,3-Trichlorobenzene	ND		ug/kg	2900	230	500
1,2,4-Trichlorobenzene	ND		ug/kg	2900	460	500
1,3,5-Trimethylbenzene	17000		ug/kg	2900	350	500
1,2,4-Trimethylbenzene	59000		ug/kg	2900	330	500
1,4-Dioxane	ND		ug/kg	58000	10000	500
1,4-Diethylbenzene	21000		ug/kg	2300	120	500
4-Ethyltoluene	40000		ug/kg	2300	56.	500

Project Name: 285 NIAGARA**Lab Number:** L1223501**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1223501-03 D

Date Collected: 12/27/12 16:20

Client ID: SW-2

Date Received: 12/29/12

Sample Location: 285 NIAGARA ST

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

1,2,4,5-Tetramethylbenzene	7500		ug/kg	2300	100	500
Ethyl ether	ND		ug/kg	2900	220	500
trans-1,4-Dichloro-2-butene	ND		ug/kg	2900	860	500

Tentatively Identified Compounds

Heptane	19000	NJ	ug/kg			500
Cyclohexane, methyl-	22000	NJ	ug/kg			500
Heptane, 2-methyl-	31000	NJ	ug/kg			500
Heptane, 3-methyl-	18000	NJ	ug/kg			500
Octane	23000	NJ	ug/kg			500
Unknown Benzene	19000	J	ug/kg			500
Unknown	28000	J	ug/kg			500
Unknown Cycloaromatic	19000	J	ug/kg			500
Unknown Benzene	18000	J	ug/kg			500
Unknown Cycloaromatic	24000	J	ug/kg			500

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	88		70-130

Project Name: 285 NIAGARA**Lab Number:** L1223501**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1223501-04
Client ID: BLIND DUP
Sample Location: 285 NIAGARA ST
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/30/12 16:48
Analyst: BN
Percent Solids: 87%

Date Collected: 12/27/12 08:00
Date Received: 12/29/12
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	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.34	1
Chloroform	ND		ug/kg	1.7	0.37	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
1,2-Dichloropropane	ND		ug/kg	4.0	0.29	1
Dibromochloromethane	ND		ug/kg	1.1	0.35	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.45	1
Tetrachloroethene	ND		ug/kg	1.1	0.35	1
Chlorobenzene	ND		ug/kg	1.1	0.21	1
Trichlorofluoromethane	ND		ug/kg	5.7	0.45	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.31	1
Bromodichloromethane	ND		ug/kg	1.1	0.44	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.34	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.31	1
1,1-Dichloropropene	ND		ug/kg	5.7	0.52	1
Bromoform	ND		ug/kg	4.6	0.57	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.28	1
Benzene	ND		ug/kg	1.1	0.34	1
Toluene	ND		ug/kg	1.7	0.28	1
Ethylbenzene	ND		ug/kg	1.1	0.25	1
Chloromethane	ND		ug/kg	5.7	0.90	1
Bromomethane	ND		ug/kg	2.3	0.74	1
Vinyl chloride	ND		ug/kg	2.3	0.86	1
Chloroethane	ND		ug/kg	2.3	0.50	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.45	1
Trichloroethene	ND		ug/kg	1.1	0.26	1
1,2-Dichlorobenzene	ND		ug/kg	5.7	0.42	1
1,3-Dichlorobenzene	ND		ug/kg	5.7	0.46	1
1,4-Dichlorobenzene	ND		ug/kg	5.7	0.48	1

Project Name: 285 NIAGARA**Lab Number:** L1223501**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1223501-04

Date Collected: 12/27/12 08:00

Client ID: BLIND DUP

Date Received: 12/29/12

Sample Location: 285 NIAGARA ST

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	0.56	1
p/m-Xylene	ND		ug/kg	2.3	0.49	1
o-Xylene	ND		ug/kg	2.3	0.48	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.35	1
Dibromomethane	ND		ug/kg	11	0.50	1
Styrene	ND		ug/kg	2.3	0.83	1
Dichlorodifluoromethane	ND		ug/kg	11	0.45	1
Acetone	10	J	ug/kg	11	3.7	1
Carbon disulfide	ND		ug/kg	11	2.3	1
2-Butanone	5.4	J	ug/kg	11	4.4	1
Vinyl acetate	ND		ug/kg	11	0.86	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.94	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.44	1
2-Hexanone	ND		ug/kg	11	0.46	1
Bromochloromethane	ND		ug/kg	5.7	0.35	1
2,2-Dichloropropane	ND		ug/kg	5.7	0.91	1
1,2-Dibromoethane	ND		ug/kg	4.6	0.47	1
1,3-Dichloropropane	ND		ug/kg	5.7	0.65	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.38	1
Bromobenzene	ND		ug/kg	5.7	0.25	1
n-Butylbenzene	ND		ug/kg	1.1	0.36	1
sec-Butylbenzene	ND		ug/kg	1.1	0.32	1
tert-Butylbenzene	ND		ug/kg	5.7	0.69	1
o-Chlorotoluene	ND		ug/kg	5.7	0.36	1
p-Chlorotoluene	ND		ug/kg	5.7	0.41	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.7	0.96	1
Hexachlorobutadiene	ND		ug/kg	5.7	0.53	1
Isopropylbenzene	ND		ug/kg	1.1	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.31	1
Naphthalene	0.88	J	ug/kg	5.7	0.88	1
Acrylonitrile	ND		ug/kg	11	0.43	1
n-Propylbenzene	ND		ug/kg	1.1	0.33	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.7	0.46	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.7	0.91	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.7	0.69	1
1,2,4-Trimethylbenzene	0.70	J	ug/kg	5.7	0.66	1
1,4-Dioxane	ND		ug/kg	110	20.	1
1,4-Diethylbenzene	0.57	J	ug/kg	4.6	0.23	1
4-Ethyltoluene	1.1	J	ug/kg	4.6	0.11	1

Project Name: 285 NIAGARA**Lab Number:** L1223501**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1223501-04
 Client ID: BLIND DUP
 Sample Location: 285 NIAGARA ST

Date Collected: 12/27/12 08:00
 Date Received: 12/29/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

1,2,4,5-Tetramethylbenzene	0.26	J	ug/kg	4.6	0.21	1
Ethyl ether	ND		ug/kg	5.7	0.44	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.7	1.7	1

Tentatively Identified Compounds

Pentane, 2-methyl-	3.5	NJ	ug/kg			1
Unknown	2.4	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	92		70-130

Project Name: 285 NIAGARA**Lab Number:** L1223501**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1223501-05
Client ID: SW-3
Sample Location: 285 NIAGARA ST
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/30/12 17:16
Analyst: BN
Percent Solids: 86%

Date Collected: 12/28/12 14:00
Date Received: 12/29/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.34	1
Chloroform	ND		ug/kg	1.7	0.38	1
Carbon tetrachloride	ND		ug/kg	1.2	0.24	1
1,2-Dichloropropane	ND		ug/kg	4.1	0.30	1
Dibromochloromethane	ND		ug/kg	1.2	0.36	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.46	1
Tetrachloroethene	ND		ug/kg	1.2	0.36	1
Chlorobenzene	ND		ug/kg	1.2	0.22	1
Trichlorofluoromethane	ND		ug/kg	5.8	0.46	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.31	1
Bromodichloromethane	ND		ug/kg	1.2	0.45	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.35	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.31	1
1,1-Dichloropropene	ND		ug/kg	5.8	0.53	1
Bromoform	ND		ug/kg	4.6	0.58	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.28	1
Benzene	ND		ug/kg	1.2	0.34	1
Toluene	ND		ug/kg	1.7	0.28	1
Ethylbenzene	ND		ug/kg	1.2	0.26	1
Chloromethane	ND		ug/kg	5.8	0.91	1
Bromomethane	ND		ug/kg	2.3	0.75	1
Vinyl chloride	ND		ug/kg	2.3	0.88	1
Chloroethane	ND		ug/kg	2.3	0.51	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.46	1
Trichloroethene	ND		ug/kg	1.2	0.26	1
1,2-Dichlorobenzene	ND		ug/kg	5.8	0.42	1
1,3-Dichlorobenzene	ND		ug/kg	5.8	0.46	1
1,4-Dichlorobenzene	ND		ug/kg	5.8	0.49	1

Project Name: 285 NIAGARA**Lab Number:** L1223501**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1223501-05

Date Collected: 12/28/12 14:00

Client ID: SW-3

Date Received: 12/29/12

Sample Location: 285 NIAGARA ST

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	0.57	1
p/m-Xylene	ND		ug/kg	2.3	0.50	1
o-Xylene	ND		ug/kg	2.3	0.48	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.35	1
Dibromomethane	ND		ug/kg	12	0.50	1
Styrene	ND		ug/kg	2.3	0.84	1
Dichlorodifluoromethane	ND		ug/kg	12	0.45	1
Acetone	ND		ug/kg	12	3.8	1
Carbon disulfide	ND		ug/kg	12	2.3	1
2-Butanone	ND		ug/kg	12	4.5	1
Vinyl acetate	ND		ug/kg	12	0.87	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.95	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.45	1
2-Hexanone	ND		ug/kg	12	0.46	1
Bromochloromethane	ND		ug/kg	5.8	0.35	1
2,2-Dichloropropane	ND		ug/kg	5.8	0.92	1
1,2-Dibromoethane	ND		ug/kg	4.6	0.48	1
1,3-Dichloropropane	ND		ug/kg	5.8	0.66	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.38	1
Bromobenzene	ND		ug/kg	5.8	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.36	1
sec-Butylbenzene	ND		ug/kg	1.2	0.32	1
tert-Butylbenzene	ND		ug/kg	5.8	0.70	1
o-Chlorotoluene	ND		ug/kg	5.8	0.36	1
p-Chlorotoluene	ND		ug/kg	5.8	0.42	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.8	0.97	1
Hexachlorobutadiene	ND		ug/kg	5.8	0.53	1
Isopropylbenzene	ND		ug/kg	1.2	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.32	1
Naphthalene	ND		ug/kg	5.8	0.89	1
Acrylonitrile	ND		ug/kg	12	0.44	1
n-Propylbenzene	ND		ug/kg	1.2	0.33	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.8	0.47	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.8	0.92	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.8	0.70	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.8	0.67	1
1,4-Dioxane	ND		ug/kg	120	20.	1
1,4-Diethylbenzene	ND		ug/kg	4.6	0.23	1
4-Ethyltoluene	ND		ug/kg	4.6	0.11	1

Project Name: 285 NIAGARA**Lab Number:** L1223501**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1223501-05
 Client ID: SW-3
 Sample Location: 285 NIAGARA ST

Date Collected: 12/28/12 14:00
 Date Received: 12/29/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.6	0.21	1
Ethyl ether	ND		ug/kg	5.8	0.44	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.8	1.7	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	81		70-130

Project Name: 285 NIAGARA**Lab Number:** L1223501**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1223501-06
Client ID: SW-4
Sample Location: 285 NIAGARA ST
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/30/12 17:43
Analyst: BN
Percent Solids: 87%

Date Collected: 12/28/12 14:15
Date Received: 12/29/12
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	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.34	1
Chloroform	ND		ug/kg	1.7	0.37	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
1,2-Dichloropropane	ND		ug/kg	4.0	0.29	1
Dibromochloromethane	ND		ug/kg	1.1	0.35	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.45	1
Tetrachloroethene	ND		ug/kg	1.1	0.35	1
Chlorobenzene	ND		ug/kg	1.1	0.21	1
Trichlorofluoromethane	ND		ug/kg	5.7	0.45	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.31	1
Bromodichloromethane	ND		ug/kg	1.1	0.44	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.34	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.31	1
1,1-Dichloropropene	ND		ug/kg	5.7	0.52	1
Bromoform	ND		ug/kg	4.6	0.57	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.28	1
Benzene	ND		ug/kg	1.1	0.34	1
Toluene	ND		ug/kg	1.7	0.28	1
Ethylbenzene	ND		ug/kg	1.1	0.25	1
Chloromethane	ND		ug/kg	5.7	0.90	1
Bromomethane	ND		ug/kg	2.3	0.74	1
Vinyl chloride	ND		ug/kg	2.3	0.86	1
Chloroethane	ND		ug/kg	2.3	0.50	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.45	1
Trichloroethene	ND		ug/kg	1.1	0.26	1
1,2-Dichlorobenzene	ND		ug/kg	5.7	0.42	1
1,3-Dichlorobenzene	ND		ug/kg	5.7	0.46	1
1,4-Dichlorobenzene	ND		ug/kg	5.7	0.48	1

Project Name: 285 NIAGARA**Lab Number:** L1223501**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1223501-06
 Client ID: SW-4
 Sample Location: 285 NIAGARA ST

Date Collected: 12/28/12 14:15
 Date Received: 12/29/12
 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	0.56	1
p/m-Xylene	ND		ug/kg	2.3	0.49	1
o-Xylene	ND		ug/kg	2.3	0.48	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.35	1
Dibromomethane	ND		ug/kg	11	0.50	1
Styrene	ND		ug/kg	2.3	0.83	1
Dichlorodifluoromethane	ND		ug/kg	11	0.45	1
Acetone	ND		ug/kg	11	3.7	1
Carbon disulfide	ND		ug/kg	11	2.3	1
2-Butanone	ND		ug/kg	11	4.4	1
Vinyl acetate	ND		ug/kg	11	0.86	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.94	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.44	1
2-Hexanone	ND		ug/kg	11	0.46	1
Bromochloromethane	ND		ug/kg	5.7	0.35	1
2,2-Dichloropropane	ND		ug/kg	5.7	0.91	1
1,2-Dibromoethane	ND		ug/kg	4.6	0.47	1
1,3-Dichloropropane	ND		ug/kg	5.7	0.65	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.38	1
Bromobenzene	ND		ug/kg	5.7	0.25	1
n-Butylbenzene	ND		ug/kg	1.1	0.36	1
sec-Butylbenzene	ND		ug/kg	1.1	0.32	1
tert-Butylbenzene	ND		ug/kg	5.7	0.69	1
o-Chlorotoluene	ND		ug/kg	5.7	0.36	1
p-Chlorotoluene	ND		ug/kg	5.7	0.41	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.7	0.96	1
Hexachlorobutadiene	ND		ug/kg	5.7	0.53	1
Isopropylbenzene	ND		ug/kg	1.1	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.31	1
Naphthalene	ND		ug/kg	5.7	0.88	1
Acrylonitrile	ND		ug/kg	11	0.43	1
n-Propylbenzene	ND		ug/kg	1.1	0.33	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.7	0.46	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.7	0.91	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.7	0.69	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.7	0.66	1
1,4-Dioxane	ND		ug/kg	110	20.	1
1,4-Diethylbenzene	ND		ug/kg	4.6	0.23	1
4-Ethyltoluene	ND		ug/kg	4.6	0.11	1

Project Name: 285 NIAGARA**Lab Number:** L1223501**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1223501-06
 Client ID: SW-4
 Sample Location: 285 NIAGARA ST

Date Collected: 12/28/12 14:15
 Date Received: 12/29/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.6	0.21	1
Ethyl ether	ND		ug/kg	5.7	0.44	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.7	1.7	1

Tentatively Identified Compounds

Unknown Alcohol	3.6	J	ug/kg			1
Unknown	2.7	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	67	Q	70-130

Project Name: 285 NIAGARA

Lab Number: L1223501

Project Number: 0236-001-101

Report Date: 01/17/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 12/30/12 13:33
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,04-06 Batch: WG582139-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.30
Chloroform	ND		ug/kg	1.5	0.32
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.26
Dibromochloromethane	ND		ug/kg	1.0	0.31
2-Chloroethylvinyl ether	ND		ug/kg	20	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.39
Tetrachloroethene	ND		ug/kg	1.0	0.31
Chlorobenzene	ND		ug/kg	1.0	0.19
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.23
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.27
Bromodichloromethane	ND		ug/kg	1.0	0.38
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.30
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.50
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.24
Benzene	ND		ug/kg	1.0	0.30
Toluene	ND		ug/kg	1.5	0.24
Ethylbenzene	ND		ug/kg	1.0	0.22
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.65
Vinyl chloride	ND		ug/kg	2.0	0.75
Chloroethane	ND		ug/kg	2.0	0.44
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.39
Trichloroethene	ND		ug/kg	1.0	0.22
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.36
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.40

Project Name: 285 NIAGARA

Lab Number: L1223501

Project Number: 0236-001-101

Report Date: 01/17/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 12/30/12 13:33
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,04-06 Batch: WG582139-3					
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.42
Methyl tert butyl ether	ND		ug/kg	2.0	0.49
p/m-Xylene	ND		ug/kg	2.0	0.43
o-Xylene	ND		ug/kg	2.0	0.42
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.30
Dibromomethane	ND		ug/kg	10	0.43
Styrene	ND		ug/kg	2.0	0.73
Dichlorodifluoromethane	ND		ug/kg	10	0.39
Acetone	ND		ug/kg	10	3.2
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	3.9
Vinyl acetate	ND		ug/kg	10	0.75
4-Methyl-2-pentanone	ND		ug/kg	10	0.82
1,2,3-Trichloropropane	ND		ug/kg	10	0.39
2-Hexanone	ND		ug/kg	10	0.40
Bromochloromethane	ND		ug/kg	5.0	0.30
2,2-Dichloropropane	ND		ug/kg	5.0	0.80
1,2-Dibromoethane	ND		ug/kg	4.0	0.41
1,3-Dichloropropane	ND		ug/kg	5.0	0.56
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33
Bromobenzene	ND		ug/kg	5.0	0.22
n-Butylbenzene	ND		ug/kg	1.0	0.31
sec-Butylbenzene	ND		ug/kg	1.0	0.28
tert-Butylbenzene	ND		ug/kg	5.0	0.60
o-Chlorotoluene	ND		ug/kg	5.0	0.31
p-Chlorotoluene	ND		ug/kg	5.0	0.36
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.84
Hexachlorobutadiene	ND		ug/kg	5.0	0.46
Isopropylbenzene	ND		ug/kg	1.0	0.18
p-Isopropyltoluene	ND		ug/kg	1.0	0.27
Naphthalene	ND		ug/kg	5.0	0.77



Project Name: 285 NIAGARA

Lab Number: L1223501

Project Number: 0236-001-101

Report Date: 01/17/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 12/30/12 13:33

Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,04-06 Batch: WG582139-3					
Acrylonitrile	ND		ug/kg	10	0.38
Isopropyl Ether	ND		ug/kg	4.0	0.42
tert-Butyl Alcohol	ND		ug/kg	60	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.28
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.40
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.60
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.47
Ethyl Acetate	ND		ug/kg	20	20.
Acrolein	ND		ug/kg	25	3.0
Cyclohexane	ND		ug/kg	20	0.12
1,4-Dioxane	ND		ug/kg	100	17.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.40
1,4-Diethylbenzene	ND		ug/kg	4.0	0.20
4-Ethyltoluene	ND		ug/kg	4.0	0.10
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.18
Tetrahydrofuran	ND		ug/kg	20	1.1
Ethyl ether	ND		ug/kg	5.0	0.38
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.5
Methyl cyclohexane	ND		ug/kg	4.0	0.70
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.88
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	1.0

Tentatively Identified Compounds

No Tentatively Identified Compounds

ND

ug/kg

Project Name: 285 NIAGARA**Lab Number:** L1223501**Project Number:** 0236-001-101**Report Date:** 01/17/13**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 12/30/12 13:33

Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,04-06 Batch: WG582139-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	97		70-130

Project Name: 285 NIAGARA

Lab Number: L1223501

Project Number: 0236-001-101

Report Date: 01/17/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 12/31/12 08:21

Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG582234-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.30
Chloroform	ND		ug/kg	1.5	0.32
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.26
Dibromochloromethane	ND		ug/kg	1.0	0.31
2-Chloroethylvinyl ether	ND		ug/kg	20	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.39
Tetrachloroethene	ND		ug/kg	1.0	0.31
Chlorobenzene	ND		ug/kg	1.0	0.19
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.23
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.27
Bromodichloromethane	ND		ug/kg	1.0	0.38
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.30
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.50
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.24
Benzene	ND		ug/kg	1.0	0.30
Toluene	ND		ug/kg	1.5	0.24
Ethylbenzene	ND		ug/kg	1.0	0.22
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.65
Vinyl chloride	ND		ug/kg	2.0	0.75
Chloroethane	ND		ug/kg	2.0	0.44
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.39
Trichloroethene	ND		ug/kg	1.0	0.22
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.36
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.40

Project Name: 285 NIAGARA

Lab Number: L1223501

Project Number: 0236-001-101

Report Date: 01/17/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 12/31/12 08:21
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG582234-3					
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.42
Methyl tert butyl ether	ND		ug/kg	2.0	0.49
p/m-Xylene	ND		ug/kg	2.0	0.43
o-Xylene	ND		ug/kg	2.0	0.42
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.30
Dibromomethane	ND		ug/kg	10	0.43
Styrene	ND		ug/kg	2.0	0.73
Dichlorodifluoromethane	ND		ug/kg	10	0.39
Acetone	ND		ug/kg	10	3.2
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	3.9
Vinyl acetate	ND		ug/kg	10	0.75
4-Methyl-2-pentanone	ND		ug/kg	10	0.82
1,2,3-Trichloropropane	ND		ug/kg	10	0.39
2-Hexanone	ND		ug/kg	10	0.40
Bromochloromethane	ND		ug/kg	5.0	0.30
2,2-Dichloropropane	ND		ug/kg	5.0	0.80
1,2-Dibromoethane	ND		ug/kg	4.0	0.41
1,3-Dichloropropane	ND		ug/kg	5.0	0.56
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33
Bromobenzene	ND		ug/kg	5.0	0.22
n-Butylbenzene	ND		ug/kg	1.0	0.31
sec-Butylbenzene	ND		ug/kg	1.0	0.28
tert-Butylbenzene	ND		ug/kg	5.0	0.60
o-Chlorotoluene	ND		ug/kg	5.0	0.31
p-Chlorotoluene	ND		ug/kg	5.0	0.36
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.84
Hexachlorobutadiene	ND		ug/kg	5.0	0.46
Isopropylbenzene	ND		ug/kg	1.0	0.18
p-Isopropyltoluene	ND		ug/kg	1.0	0.27
Naphthalene	ND		ug/kg	5.0	0.77

Project Name: 285 NIAGARA

Lab Number: L1223501

Project Number: 0236-001-101

Report Date: 01/17/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 12/31/12 08:21
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG582234-3					
Acrylonitrile	ND		ug/kg	10	0.38
Isopropyl Ether	ND		ug/kg	4.0	0.42
tert-Butyl Alcohol	ND		ug/kg	60	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.28
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.40
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.60
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.47
Ethyl Acetate	ND		ug/kg	20	20.
Acrolein	ND		ug/kg	25	3.0
Cyclohexane	ND		ug/kg	20	0.12
1,4-Dioxane	ND		ug/kg	100	17.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.40
1,4-Diethylbenzene	ND		ug/kg	4.0	0.20
4-Ethyltoluene	ND		ug/kg	4.0	0.10
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.18
Tetrahydrofuran	ND		ug/kg	20	1.1
Ethyl ether	ND		ug/kg	5.0	0.38
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.5
Methyl cyclohexane	ND		ug/kg	4.0	0.70
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.88
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	1.0

Tentatively Identified Compounds

Unknown	2.9	J	ug/kg
Unknown	2.0	J	ug/kg

Project Name: 285 NIAGARA**Lab Number:** L1223501**Project Number:** 0236-001-101**Report Date:** 01/17/13**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 12/31/12 08:21

Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG582234-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	94		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 285 NIAGARA

Project Number: 0236-001-101

Lab Number: L1223501

Report Date: 01/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04-06 Batch: WG582139-1 WG582139-2								
Methylene chloride	88		88		70-130	0		30
1,1-Dichloroethane	94		93		70-130	1		30
Chloroform	98		94		70-130	4		30
Carbon tetrachloride	99		92		70-130	7		30
1,2-Dichloropropane	98		95		70-130	3		30
Dibromochloromethane	101		102		70-130	1		30
2-Chloroethylvinyl ether	98		96			2		30
1,1,2-Trichloroethane	103		103		70-130	0		30
Tetrachloroethene	104		98		70-130	6		30
Chlorobenzene	104		101		70-130	3		30
Trichlorofluoromethane	104		97		70-139	7		30
1,2-Dichloroethane	96		95		70-130	1		30
1,1,1-Trichloroethane	97		92		70-130	5		30
Bromodichloromethane	96		94		70-130	2		30
trans-1,3-Dichloropropene	105		105		70-130	0		30
cis-1,3-Dichloropropene	98		96		70-130	2		30
1,1-Dichloropropene	98		92		70-130	6		30
Bromoform	107		110		70-130	3		30
1,1,1,2,2-Tetrachloroethane	103		107		70-130	4		30
Benzene	94		90		70-130	4		30
Toluene	98		94		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285 NIAGARA

Project Number: 0236-001-101

Lab Number: L1223501

Report Date: 01/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04-06 Batch: WG582139-1 WG582139-2								
Ethylbenzene	104		99		70-130	5		30
Chloromethane	95		102		52-130	7		30
Bromomethane	121		113		57-147	7		30
Vinyl chloride	96		91		67-130	5		30
Chloroethane	93		90		50-151	3		30
1,1-Dichloroethene	98		93		65-135	5		30
trans-1,2-Dichloroethene	96		92		70-130	4		30
Trichloroethene	99		94		70-130	5		30
1,2-Dichlorobenzene	109		109		70-130	0		30
1,3-Dichlorobenzene	110		108		70-130	2		30
1,4-Dichlorobenzene	108		107		70-130	1		30
Methyl tert butyl ether	96		98		66-130	2		30
p/m-Xylene	105		100		70-130	5		30
o-Xylene	107		103		70-130	4		30
cis-1,2-Dichloroethene	96		93		70-130	3		30
Dibromomethane	100		100		70-130	0		30
Styrene	110		106		70-130	4		30
Dichlorodifluoromethane	111		104		30-146	7		30
Acetone	54		55		54-140	2		30
Carbon disulfide	91		86		59-130	6		30
2-Butanone	73		79		70-130	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285 NIAGARA

Project Number: 0236-001-101

Lab Number: L1223501

Report Date: 01/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04-06 Batch: WG582139-1 WG582139-2								
Vinyl acetate	122		124		70-130	2		30
4-Methyl-2-pentanone	106		109		70-130	3		30
1,2,3-Trichloropropane	106		109		68-130	3		30
2-Hexanone	102		108		70-130	6		30
Bromochloromethane	95		96		70-130	1		30
2,2-Dichloropropane	101		95		70-130	6		30
1,2-Dibromoethane	100		101		70-130	1		30
1,3-Dichloropropane	101		102		69-130	1		30
1,1,1,2-Tetrachloroethane	102		101		70-130	1		30
Bromobenzene	108		106		70-130	2		30
n-Butylbenzene	114		109		70-130	4		30
sec-Butylbenzene	111		105		70-130	6		30
tert-Butylbenzene	111		106		70-130	5		30
o-Chlorotoluene	109		106		70-130	3		30
p-Chlorotoluene	111		108		70-130	3		30
1,2-Dibromo-3-chloropropane	101		107		68-130	6		30
Hexachlorobutadiene	110		103		67-130	7		30
Isopropylbenzene	110		106		70-130	4		30
p-Isopropyltoluene	115		111		70-130	4		30
Naphthalene	107		112		70-130	5		30
Acrylonitrile	93		97		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285 NIAGARA

Project Number: 0236-001-101

Lab Number: L1223501

Report Date: 01/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04-06 Batch: WG582139-1 WG582139-2								
Isopropyl Ether	96		95		66-130	1		30
tert-Butyl Alcohol	90		97		70-130	7		30
n-Propylbenzene	114		109		70-130	4		30
1,2,3-Trichlorobenzene	109		110		70-130	1		30
1,2,4-Trichlorobenzene	115		116		70-130	1		30
1,3,5-Trimethylbenzene	110		106		70-130	4		30
1,2,4-Trimethylbenzene	113		110		70-130	3		30
Methyl Acetate	82		80		70-130	2		30
Ethyl Acetate	94		96		70-130	2		30
Acrolein	14	Q	15	Q	70-130	7		30
Cyclohexane	104		96		70-130	8		30
1,4-Dioxane	90		96		65-136	6		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	98		92		70-130	6		30
1,4-Diethylbenzene	116		111		70-130	4		30
4-Ethyltoluene	104		101		70-130	3		30
1,2,4,5-Tetramethylbenzene	114		112		70-130	2		30
Tetrahydrofuran	93		95		66-130	2		30
Ethyl ether	96		98		67-130	2		30
trans-1,4-Dichloro-2-butene	92		97		70-130	5		30
Methyl cyclohexane	112		102		70-130	9		30
Ethyl-Tert-Butyl-Ether	96		96		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285 NIAGARA

Project Number: 0236-001-101

Lab Number: L1223501

Report Date: 01/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04-06 Batch: WG582139-1 WG582139-2								
Tertiary-Amyl Methyl Ether	99		98		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		98		70-130
Toluene-d8	103		104		70-130
4-Bromofluorobenzene	102		102		70-130
Dibromofluoromethane	97		96		70-130

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG582234-1 WG582234-2								
Methylene chloride	89		88		70-130	1		30
1,1-Dichloroethane	93		92		70-130	1		30
Chloroform	93		91		70-130	2		30
Carbon tetrachloride	98		95		70-130	3		30
1,2-Dichloropropane	91		90		70-130	1		30
Dibromochloromethane	94		94		70-130	0		30
2-Chloroethylvinyl ether	91		90			1		30
1,1,2-Trichloroethane	96		95		70-130	1		30
Tetrachloroethene	102		100		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285 NIAGARA

Project Number: 0236-001-101

Lab Number: L1223501

Report Date: 01/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG582234-1 WG582234-2								
Chlorobenzene	100		98		70-130	2		30
Trichlorofluoromethane	105		100		70-139	5		30
1,2-Dichloroethane	90		89		70-130	1		30
1,1,1-Trichloroethane	96		93		70-130	3		30
Bromodichloromethane	90		89		70-130	1		30
trans-1,3-Dichloropropene	97		96		70-130	1		30
cis-1,3-Dichloropropene	92		91		70-130	1		30
1,1-Dichloropropene	98		94		70-130	4		30
Bromoform	97		95		70-130	2		30
1,1,2,2-Tetrachloroethane	97		96		70-130	1		30
Benzene	92		90		70-130	2		30
Toluene	96		95		70-130	1		30
Ethylbenzene	102		100		70-130	2		30
Chloromethane	100		93		52-130	7		30
Bromomethane	106		100		57-147	6		30
Vinyl chloride	98		94		67-130	4		30
Chloroethane	98		94		50-151	4		30
1,1-Dichloroethene	98		96		65-135	2		30
trans-1,2-Dichloroethene	95		92		70-130	3		30
Trichloroethene	94		92		70-130	2		30
1,2-Dichlorobenzene	104		103		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285 NIAGARA

Project Number: 0236-001-101

Lab Number: L1223501

Report Date: 01/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG582234-1 WG582234-2								
1,3-Dichlorobenzene	104		104		70-130	0		30
1,4-Dichlorobenzene	104		103		70-130	1		30
Methyl tert butyl ether	89		88		66-130	1		30
p/m-Xylene	102		101		70-130	1		30
o-Xylene	103		102		70-130	1		30
cis-1,2-Dichloroethene	92		92		70-130	0		30
Dibromomethane	89		89		70-130	0		30
Styrene	104		103		70-130	1		30
Dichlorodifluoromethane	104		99		30-146	5		30
Acetone	126		96		54-140	27		30
Carbon disulfide	99		96		59-130	3		30
2-Butanone	115		92		70-130	22		30
Vinyl acetate	89		89		70-130	0		30
4-Methyl-2-pentanone	85		82		70-130	4		30
1,2,3-Trichloropropane	100		98		68-130	2		30
2-Hexanone	121		96		70-130	23		30
Bromochloromethane	93		92		70-130	1		30
2,2-Dichloropropane	99		95		70-130	4		30
1,2-Dibromoethane	93		92		70-130	1		30
1,3-Dichloropropane	95		94		69-130	1		30
1,1,1,2-Tetrachloroethane	96		97		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285 NIAGARA

Project Number: 0236-001-101

Lab Number: L1223501

Report Date: 01/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG582234-1 WG582234-2								
Bromobenzene	102		102		70-130	0		30
n-Butylbenzene	110		107		70-130	3		30
sec-Butylbenzene	110		107		70-130	3		30
tert-Butylbenzene	109		107		70-130	2		30
o-Chlorotoluene	106		104		70-130	2		30
p-Chlorotoluene	107		105		70-130	2		30
1,2-Dibromo-3-chloropropane	93		89		68-130	4		30
Hexachlorobutadiene	107		106		67-130	1		30
Isopropylbenzene	109		105		70-130	4		30
p-Isopropyltoluene	109		108		70-130	1		30
Naphthalene	98		99		70-130	1		30
Acrylonitrile	86		83		70-130	4		30
Isopropyl Ether	92		91		66-130	1		30
tert-Butyl Alcohol	80		77		70-130	4		30
n-Propylbenzene	109		106		70-130	3		30
1,2,3-Trichlorobenzene	104		103		70-130	1		30
1,2,4-Trichlorobenzene	107		106		70-130	1		30
1,3,5-Trimethylbenzene	109		107		70-130	2		30
1,2,4-Trimethylbenzene	109		107		70-130	2		30
Methyl Acetate	83		82		70-130	1		30
Ethyl Acetate	85		82		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285 NIAGARA

Project Number: 0236-001-101

Lab Number: L1223501

Report Date: 01/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG582234-1 WG582234-2								
Acrolein	82		81		70-130	1		30
Cyclohexane	102		99		70-130	3		30
1,4-Dioxane	88		89		65-136	1		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	104		100		70-130	4		30
1,4-Diethylbenzene	111		109		70-130	2		30
4-Ethyltoluene	110		106		70-130	4		30
1,2,4,5-Tetramethylbenzene	111		110		70-130	1		30
Tetrahydrofuran	83		82		66-130	1		30
Ethyl ether	92		91		67-130	1		30
trans-1,4-Dichloro-2-butene	97		95		70-130	2		30
Methyl cyclohexane	102		99		70-130	3		30
Ethyl-Tert-Butyl-Ether	92		92		70-130	0		30
Tertiary-Amyl Methyl Ether	90		90		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		96		70-130
Toluene-d8	103		103		70-130
4-Bromofluorobenzene	102		102		70-130
Dibromofluoromethane	93		93		70-130

Matrix Spike Analysis Batch Quality Control

Project Name: 285 NIAGARA

Project Number: 0236-001-101

Lab Number: L1223501

Report Date: 01/17/13

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): 01-02,04-06 QC Batch ID: WG582139-7 WG582139-8 QC Sample: L1223501-01
Client ID: BOTTOM 1

Methylene chloride	ND	23.8	18	77		17	73		70-130	6		30
1,1-Dichloroethane	ND	23.8	19	79		18	74		70-130	6		30
Chloroform	ND	23.8	19	78		17	73		70-130	7		30
Carbon tetrachloride	ND	23.8	19	81		18	75		70-130	8		30
1,2-Dichloropropane	ND	23.8	18	76		17	72		70-130	6		30
Dibromochloromethane	ND	23.8	18	74		17	69	Q	70-130	6		30
1,1,2-Trichloroethane	ND	23.8	18	76		18	74		70-130	3		30
Tetrachloroethene	ND	23.8	19	82		18	74		70-130	10		30
Chlorobenzene	ND	23.8	19	78		17	72		70-130	8		30
Trichlorofluoromethane	ND	23.8	21	86		19	79		70-139	8		30
1,2-Dichloroethane	ND	23.8	18	75		17	70		70-130	7		30
1,1,1-Trichloroethane	ND	23.8	19	80		18	74		70-130	8		30
Bromodichloromethane	ND	23.8	18	75		17	70		70-130	8		30
trans-1,3-Dichloropropene	ND	23.8	18	74		17	70		70-130	6		30
cis-1,3-Dichloropropene	ND	23.8	18	75		17	70		70-130	7		30
1,1-Dichloropropene	ND	23.8	19	81		18	75		70-130	8		30
Bromoform	ND	23.8	18	74		16	68	Q	70-130	8		30
1,1,2,2-Tetrachloroethane	ND	23.8	17	71		16	68	Q	70-130	5		30
Benzene	ND	23.8	19	78		18	74		70-130	7		30
Toluene	ND	23.8	21	89		20	82		70-130	7		30
Ethylbenzene	ND	23.8	24	99		22	91		70-130	9		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 285 NIAGARA

Project Number: 0236-001-101

Lab Number: L1223501

Report Date: 01/17/13

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): 01-02,04-06 QC Batch ID: WG582139-7 WG582139-8 QC Sample: L1223501-01
Client ID: BOTTOM 1

Chloromethane	ND	23.8	20	84		19	81		52-130	4		30
Bromomethane	ND	23.8	19	80		18	75		57-147	6		30
Vinyl chloride	ND	23.8	20	82		19	79		67-130	4		30
Chloroethane	ND	23.8	19	81		18	76		50-151	6		30
1,1-Dichloroethene	ND	23.8	19	82		21	86		65-135	6		30
trans-1,2-Dichloroethene	ND	23.8	19	79		18	75		70-130	5		30
Trichloroethene	ND	23.8	20	82		18	75		70-130	9		30
1,2-Dichlorobenzene	ND	23.8	18	75		16	68	Q	70-130	11		30
1,3-Dichlorobenzene	ND	23.8	18	76		16	68	Q	70-130	10		30
1,4-Dichlorobenzene	ND	23.8	18	76		16	67	Q	70-130	12		30
Methyl tert butyl ether	ND	23.8	17	72		16	69		66-130	4		30
p/m-Xylene	ND	47.6	64	134	Q	58	122		70-130	9		30
o-Xylene	ND	47.6	54	112		49	102		70-130	10		30
cis-1,2-Dichloroethene	ND	23.8	18	77		17	72		70-130	6		30
Dibromomethane	ND	23.8	17	72		16	68	Q	70-130	6		30
Styrene	ND	47.6	38	80		35	74		70-130	9		30
Dichlorodifluoromethane	ND	23.8	20	84		19	78		30-146	7		30
Acetone	ND	23.8	33	137		32	134		54-140	2		30
Carbon disulfide	ND	23.8	20	84		21	87		59-130	4		30
2-Butanone	ND	23.8	27	114		26	110		70-130	4		30
Vinyl acetate	ND	23.8	15	61	Q	14	60	Q	70-130	1		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 285 NIAGARA

Project Number: 0236-001-101

Lab Number: L1223501

Report Date: 01/17/13

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): 01-02,04-06 QC Batch ID: WG582139-7 WG582139-8 QC Sample: L1223501-01
Client ID: BOTTOM 1

4-Methyl-2-pentanone	ND	23.8	17	73		17	71		70-130	2		30
1,2,3-Trichloropropane	ND	23.8	18	76		17	73		68-130	5		30
2-Hexanone	ND	23.8	27	114		26	108		70-130	5		30
Bromochloromethane	ND	23.8	18	76		17	73		70-130	5		30
2,2-Dichloropropane	ND	23.8	20	83		18	77		70-130	8		30
1,2-Dibromoethane	ND	23.8	17	72		16	68	Q	70-130	6		30
1,3-Dichloropropane	ND	23.8	18	74		17	70		69-130	6		30
1,1,1,2-Tetrachloroethane	ND	23.8	19	78		17	72		70-130	7		30
Bromobenzene	ND	23.8	19	78		17	71		70-130	10		30
n-Butylbenzene	ND	23.8	23	96		20	85		70-130	13		30
sec-Butylbenzene	ND	23.8	20	85		18	76		70-130	12		30
tert-Butylbenzene	ND	23.8	20	85		18	77		70-130	10		30
o-Chlorotoluene	ND	23.8	19	78		17	71		70-130	10		30
p-Chlorotoluene	ND	23.8	19	79		17	71		70-130	10		30
1,2-Dibromo-3-chloropropane	ND	23.8	16	67	Q	15	63	Q	68-130	6		30
Hexachlorobutadiene	ND	23.8	18	75		15	64	Q	67-130	16		30
Isopropylbenzene	ND	23.8	21	88		19	80		70-130	9		30
p-Isopropyltoluene	ND	23.8	21	86		18	77		70-130	11		30
Naphthalene	ND	23.8	32	134	Q	29	121		70-130	10		30
Acrylonitrile	ND	23.8	16	67	Q	16	65	Q	70-130	3		30
n-Propylbenzene	ND	23.8	25	106		22	94		70-130	12		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 285 NIAGARA

Project Number: 0236-001-101

Lab Number: L1223501

Report Date: 01/17/13

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): 01-02,04-06 QC Batch ID: WG582139-7 WG582139-8 QC Sample: L1223501-01
Client ID: BOTTOM 1

1,2,3-Trichlorobenzene	ND	23.8	15	63	Q	13	55	Q	70-130	13		30
1,2,4-Trichlorobenzene	ND	23.8	16	68	Q	14	59	Q	70-130	14		30
1,3,5-Trimethylbenzene	ND	23.8	36	153	Q	33	136	Q	70-130	11		30
1,2,4-Trimethylbenzene	ND	23.8	98	410	Q	85	355	Q	70-130	14		30
1,4-Dioxane	ND	1190	1000	84		960	81		65-136	4		30
1,4-Diethylbenzene	ND	23.8	47	198	Q	23	96		70-130	70	Q	30
4-Ethyltoluene	ND	23.8	57	238	Q	50	210	Q	70-130	13		30
1,2,4,5-Tetramethylbenzene	ND	23.8	32	134	Q	29	120		70-130	12		30
Ethyl ether	ND	23.8	18	75		17	70		67-130	7		30
trans-1,4-Dichloro-2-butene	ND	23.8	17	71		16	66	Q	70-130	9		30

Surrogate	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
1,2-Dichloroethane-d4	98		99		70-130
4-Bromofluorobenzene	101		101		70-130
Dibromofluoromethane	93		94		70-130
Toluene-d8	101		101		70-130

INORGANICS & MISCELLANEOUS

Project Name: 285 NIAGARA**Project Number:** 0236-001-101**Lab Number:** L1223501**Report Date:** 01/17/13**SAMPLE RESULTS****Lab ID:** L1223501-01**Client ID:** BOTTOM 1**Sample Location:** 285 NIAGARA ST**Matrix:** Soil**Date Collected:** 12/27/12 15:30**Date Received:** 12/29/12**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84		%	0.10	NA	1	-	12/30/12 12:10	30,2540G	TA



Project Name: 285 NIAGARA

Project Number: 0236-001-101

Lab Number: L1223501

Report Date: 01/17/13

SAMPLE RESULTS

Lab ID: L1223501-02

Client ID: SW-1

Sample Location: 285 NIAGARA ST

Matrix: Soil

Date Collected: 12/27/12 15:35

Date Received: 12/29/12

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		%	0.10	NA	1	-	12/30/12 12:10	30,2540G	TA



Project Name: 285 NIAGARA**Project Number:** 0236-001-101**Lab Number:** L1223501**Report Date:** 01/17/13**SAMPLE RESULTS****Lab ID:** L1223501-03**Client ID:** SW-2**Sample Location:** 285 NIAGARA ST**Matrix:** Soil**Date Collected:** 12/27/12 16:20**Date Received:** 12/29/12**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		%	0.10	NA	1	-	12/30/12 12:10	30,2540G	TA



Project Name: 285 NIAGARA

Project Number: 0236-001-101

Lab Number: L1223501

Report Date: 01/17/13

SAMPLE RESULTS

Lab ID: L1223501-04

Client ID: BLIND DUP

Sample Location: 285 NIAGARA ST

Matrix: Soil

Date Collected: 12/27/12 08:00

Date Received: 12/29/12

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87		%	0.10	NA	1	-	12/30/12 12:10	30,2540G	TA



Project Name: 285 NIAGARA

Project Number: 0236-001-101

Lab Number: L1223501

Report Date: 01/17/13

SAMPLE RESULTS

Lab ID: L1223501-05

Client ID: SW-3

Sample Location: 285 NIAGARA ST

Matrix: Soil

Date Collected: 12/28/12 14:00

Date Received: 12/29/12

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		%	0.10	NA	1	-	12/30/12 12:10	30,2540G	TA



Project Name: 285 NIAGARA**Project Number:** 0236-001-101**Lab Number:** L1223501**Report Date:** 01/17/13**SAMPLE RESULTS****Lab ID:** L1223501-06**Client ID:** SW-4**Sample Location:** 285 NIAGARA ST**Matrix:** Soil**Date Collected:** 12/28/12 14:15**Date Received:** 12/29/12**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87		%	0.10	NA	1	-	12/30/12 12:10	30,2540G	TA



Lab Duplicate Analysis
Batch Quality Control

Project Name: 285 NIAGARA

Project Number: 0236-001-101

Lab Number: L1223501

Report Date: 01/17/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG582011-1 QC Sample: L1223495-15 Client ID: DUP Sample						
Solids, Total	80.	81	%	1		20

Project Name: 285 NIAGARA

Project Number: 0236-001-101

Lab Number: L1223501

Report Date: 01/17/13

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1223501-01A	Amber 120ml unpreserved	A	N/A	3.1	Y	Absent	NYTCL-8260(14)
L1223501-01B	Vial Large unpreserved	A	N/A	3.1	Y	Absent	NYTCL-8260(14)
L1223501-01C	Plastic 2oz unpreserved for TS	A	N/A	3.1	Y	Absent	TS(7)
L1223501-02A	Amber 120ml unpreserved	A	N/A	3.1	Y	Absent	TS(7),NYTCL-8260(14)
L1223501-03A	Amber 120ml unpreserved	A	N/A	3.1	Y	Absent	TS(7),NYTCL-8260(14)
L1223501-04A	Amber 120ml unpreserved	A	N/A	3.1	Y	Absent	TS(7),NYTCL-8260(14)
L1223501-05A	Amber 120ml unpreserved	A	N/A	3.1	Y	Absent	TS(7),NYTCL-8260(14)
L1223501-06A	Amber 120ml unpreserved	A	N/A	3.1	Y	Absent	TS(7),NYTCL-8260(14)

*Values in parentheses indicate holding time in days

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GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

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

Terms

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 five times (5x) 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.
- 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 RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

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Data Qualifiers

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.
- 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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REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.
- 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.



Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. **NELAP Accredited Solid Waste/Soil.**

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.

Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.

Drinking Water (Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; Colilert/OT SM9223B; MF-SM9222D.)

Non-Potable Water (Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: 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-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. *Microbiology Parameters:* (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. *Organic Parameters:* 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. *Organic Parameters:* SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. *Organic Parameters:* SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. *Organic Parameters:* EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500CI-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. *Organic Parameters:* SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. *Organic Parameters:* SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. *Organic Parameters:* EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. *Organic Parameters:* EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. *Organic Parameters:* EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500CI-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311, 1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. **NELAP Accredited.**

Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A, 3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P, BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500CI-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. **NELAP Accredited via NJ-DEP.**

Refer to MA-DEP Certificate for Potable and Non-Potable Water.

Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commissoon on Environmental Quality Certificate/Lab ID: T104704476. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S²⁻D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. **NELAP Accredited.**

Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CI-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.

Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:

EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methyl naphthalenes, Total Dimethyl naphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO₂ in a soil matrix, NO₃ in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab:

ALPHA Job #:

WESTBORO, MA	MANSFIELD, MA
TEL: 508-898-9220	TEL: 508-822-9300
FAX: 508-898-9193	FAX: 508-822-3288

Project Information

Project Name: 285 N. 1st St

Project Location: 285 N. ...

Project #: 0236-001-101

Project Manager: Mike Leskawski

ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ ~~RUSH~~ (only confirmed if pre-approved!)

Date Due: 3/1/95 Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
	CAT-B

Client Information

Client: Turnkey
Address: 2558 Hamburg Turnpike
Buffalo NY 14218

Phone: 716 856-0599

Fax: 716 856-0583

Email:

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

CAT-B

[illegible]

Container Type

Preservative

Relinquished By:

Date/Time

Received By:

Date/Time

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.



ANALYTICAL REPORT

Lab Number:	L1223504
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Mike Lesakowski
Phone:	(716) 856-0599
Project Name:	285 NIAGARA
Project Number:	0236-001-101
Report Date:	01/17/13

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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), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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



Project Name: 285 NIAGARA
Project Number: 0236-001-101

Lab Number: L1223504
Report Date: 01/17/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1223504-01	SB-10 (1-2)	285 NIAGARA ST SITE	12/27/12 16:00

Project Name: 285 NIAGARA
Project Number: 0236-001-101

Lab Number: L1223504
Report Date: 01/17/13

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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 free of charge for 30 days from the date the project is completed. After 30 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.

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

Project Name: 285 NIAGARA
Project Number: 0236-001-101

Lab Number: L1223504
Report Date: 01/17/13

Case Narrative (continued)

Report Submission

This report replaces the report issued on January 3, 2013. The full NYTCL analyte list is now reported for the Volatile Organics analysis.

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

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

Authorized Signature:  Cynthia McQueen

Title: Technical Director/Representative

Date: 01/17/13

ORGANICS

VOLATILES

Project Name: 285 NIAGARA**Lab Number:** L1223504**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1223504-01
Client ID: SB-10 (1-2)
Sample Location: 285 NIAGARA ST SITE
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/30/12 14:01
Analyst: BN
Percent Solids: 84%

Date Collected: 12/27/12 16:00
Date Received: 12/29/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.35	1
Chloroform	ND		ug/kg	1.8	0.39	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.2	0.30	1
Dibromochloromethane	ND		ug/kg	1.2	0.37	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.47	1
Tetrachloroethene	ND		ug/kg	1.2	0.36	1
Chlorobenzene	ND		ug/kg	1.2	0.22	1
Trichlorofluoromethane	ND		ug/kg	6.0	0.46	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.32	1
Bromodichloromethane	ND		ug/kg	1.2	0.46	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.36	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
1,1-Dichloropropene	ND		ug/kg	6.0	0.54	1
Bromoform	ND		ug/kg	4.8	0.59	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.28	1
Benzene	ND		ug/kg	1.2	0.35	1
Toluene	ND		ug/kg	1.8	0.29	1
Ethylbenzene	ND		ug/kg	1.2	0.26	1
Chloromethane	ND		ug/kg	6.0	0.93	1
Bromomethane	ND		ug/kg	2.4	0.77	1
Vinyl chloride	ND		ug/kg	2.4	0.90	1
Chloroethane	ND		ug/kg	2.4	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.47	1
Trichloroethene	ND		ug/kg	1.2	0.27	1
1,2-Dichlorobenzene	ND		ug/kg	6.0	0.43	1
1,3-Dichlorobenzene	ND		ug/kg	6.0	0.48	1
1,4-Dichlorobenzene	ND		ug/kg	6.0	0.50	1

Project Name: 285 NIAGARA**Lab Number:** L1223504**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1223504-01

Date Collected: 12/27/12 16:00

Client ID: SB-10 (1-2)

Date Received: 12/29/12

Sample Location: 285 NIAGARA ST SITE

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	2.4	0.58	1
p/m-Xylene	ND		ug/kg	2.4	0.51	1
o-Xylene	ND		ug/kg	2.4	0.50	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.36	1
Dibromomethane	ND		ug/kg	12	0.52	1
Styrene	ND		ug/kg	2.4	0.86	1
Dichlorodifluoromethane	ND		ug/kg	12	0.46	1
Acetone	ND		ug/kg	12	3.8	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	ND		ug/kg	12	4.6	1
Vinyl acetate	ND		ug/kg	12	0.89	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.97	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.46	1
2-Hexanone	ND		ug/kg	12	0.47	1
Bromochloromethane	ND		ug/kg	6.0	0.36	1
2,2-Dichloropropane	ND		ug/kg	6.0	0.95	1
1,2-Dibromoethane	ND		ug/kg	4.8	0.49	1
1,3-Dichloropropane	ND		ug/kg	6.0	0.67	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.39	1
Bromobenzene	ND		ug/kg	6.0	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.37	1
sec-Butylbenzene	ND		ug/kg	1.2	0.33	1
tert-Butylbenzene	ND		ug/kg	6.0	0.72	1
o-Chlorotoluene	ND		ug/kg	6.0	0.37	1
p-Chlorotoluene	ND		ug/kg	6.0	0.43	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.0	1.0	1
Hexachlorobutadiene	ND		ug/kg	6.0	0.54	1
Isopropylbenzene	ND		ug/kg	1.2	0.21	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.32	1
Naphthalene	ND		ug/kg	6.0	0.92	1
Acrylonitrile	ND		ug/kg	12	0.45	1
n-Propylbenzene	ND		ug/kg	1.2	0.34	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.0	0.48	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.0	0.94	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.0	0.72	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.0	0.68	1
1,4-Dioxane	ND		ug/kg	120	21.	1
1,4-Diethylbenzene	ND		ug/kg	4.8	0.24	1
4-Ethyltoluene	ND		ug/kg	4.8	0.12	1

Project Name: 285 NIAGARA**Lab Number:** L1223504**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1223504-01

Date Collected: 12/27/12 16:00

Client ID: SB-10 (1-2)

Date Received: 12/29/12

Sample Location: 285 NIAGARA ST SITE

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.8	0.22	1
Ethyl ether	ND		ug/kg	6.0	0.45	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.0	1.8	1

Tentatively Identified Compounds

Unknown	3.1	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	98		70-130

Project Name: 285 NIAGARA

Lab Number: L1223504

Project Number: 0236-001-101

Report Date: 01/17/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 12/30/12 13:33
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG582139-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.30
Chloroform	ND		ug/kg	1.5	0.32
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.26
Dibromochloromethane	ND		ug/kg	1.0	0.31
2-Chloroethylvinyl ether	ND		ug/kg	20	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.39
Tetrachloroethene	ND		ug/kg	1.0	0.31
Chlorobenzene	ND		ug/kg	1.0	0.19
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.23
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.27
Bromodichloromethane	ND		ug/kg	1.0	0.38
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.30
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.50
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.24
Benzene	ND		ug/kg	1.0	0.30
Toluene	ND		ug/kg	1.5	0.24
Ethylbenzene	ND		ug/kg	1.0	0.22
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.65
Vinyl chloride	ND		ug/kg	2.0	0.75
Chloroethane	ND		ug/kg	2.0	0.44
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.39
Trichloroethene	ND		ug/kg	1.0	0.22
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.36
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.40

Project Name: 285 NIAGARA

Lab Number: L1223504

Project Number: 0236-001-101

Report Date: 01/17/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 12/30/12 13:33

Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG582139-3					
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.42
Methyl tert butyl ether	ND		ug/kg	2.0	0.49
p/m-Xylene	ND		ug/kg	2.0	0.43
o-Xylene	ND		ug/kg	2.0	0.42
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.30
Dibromomethane	ND		ug/kg	10	0.43
Styrene	ND		ug/kg	2.0	0.73
Dichlorodifluoromethane	ND		ug/kg	10	0.39
Acetone	ND		ug/kg	10	3.2
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	3.9
Vinyl acetate	ND		ug/kg	10	0.75
4-Methyl-2-pentanone	ND		ug/kg	10	0.82
1,2,3-Trichloropropane	ND		ug/kg	10	0.39
2-Hexanone	ND		ug/kg	10	0.40
Bromochloromethane	ND		ug/kg	5.0	0.30
2,2-Dichloropropane	ND		ug/kg	5.0	0.80
1,2-Dibromoethane	ND		ug/kg	4.0	0.41
1,3-Dichloropropane	ND		ug/kg	5.0	0.56
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33
Bromobenzene	ND		ug/kg	5.0	0.22
n-Butylbenzene	ND		ug/kg	1.0	0.31
sec-Butylbenzene	ND		ug/kg	1.0	0.28
tert-Butylbenzene	ND		ug/kg	5.0	0.60
o-Chlorotoluene	ND		ug/kg	5.0	0.31
p-Chlorotoluene	ND		ug/kg	5.0	0.36
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.84
Hexachlorobutadiene	ND		ug/kg	5.0	0.46
Isopropylbenzene	ND		ug/kg	1.0	0.18
p-Isopropyltoluene	ND		ug/kg	1.0	0.27
Naphthalene	ND		ug/kg	5.0	0.77

Project Name: 285 NIAGARA

Lab Number: L1223504

Project Number: 0236-001-101

Report Date: 01/17/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 12/30/12 13:33
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG582139-3					
Acrylonitrile	ND		ug/kg	10	0.38
Isopropyl Ether	ND		ug/kg	4.0	0.42
tert-Butyl Alcohol	ND		ug/kg	60	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.28
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.40
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.60
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.47
Ethyl Acetate	ND		ug/kg	20	20.
Acrolein	ND		ug/kg	25	3.0
Cyclohexane	ND		ug/kg	20	0.12
1,4-Dioxane	ND		ug/kg	100	17.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.40
1,4-Diethylbenzene	ND		ug/kg	4.0	0.20
4-Ethyltoluene	ND		ug/kg	4.0	0.10
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.18
Tetrahydrofuran	ND		ug/kg	20	1.1
Ethyl ether	ND		ug/kg	5.0	0.38
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.5
Methyl cyclohexane	ND		ug/kg	4.0	0.70
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.88
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	1.0

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg

Project Name: 285 NIAGARA**Lab Number:** L1223504**Project Number:** 0236-001-101**Report Date:** 01/17/13**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 12/30/12 13:33

Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG582139-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	97		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 285 NIAGARA

Project Number: 0236-001-101

Lab Number: L1223504

Report Date: 01/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG582139-1 WG582139-2								
Methylene chloride	88		88		70-130	0		30
1,1-Dichloroethane	94		93		70-130	1		30
Chloroform	98		94		70-130	4		30
Carbon tetrachloride	99		92		70-130	7		30
1,2-Dichloropropane	98		95		70-130	3		30
Dibromochloromethane	101		102		70-130	1		30
2-Chloroethylvinyl ether	98		96			2		30
1,1,2-Trichloroethane	103		103		70-130	0		30
Tetrachloroethene	104		98		70-130	6		30
Chlorobenzene	104		101		70-130	3		30
Trichlorofluoromethane	104		97		70-139	7		30
1,2-Dichloroethane	96		95		70-130	1		30
1,1,1-Trichloroethane	97		92		70-130	5		30
Bromodichloromethane	96		94		70-130	2		30
trans-1,3-Dichloropropene	105		105		70-130	0		30
cis-1,3-Dichloropropene	98		96		70-130	2		30
1,1-Dichloropropene	98		92		70-130	6		30
Bromoform	107		110		70-130	3		30
1,1,2,2-Tetrachloroethane	103		107		70-130	4		30
Benzene	94		90		70-130	4		30
Toluene	98		94		70-130	4		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 285 NIAGARA

Project Number: 0236-001-101

Lab Number: L1223504

Report Date: 01/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG582139-1 WG582139-2								
Ethylbenzene	104		99		70-130	5		30
Chloromethane	95		102		52-130	7		30
Bromomethane	121		113		57-147	7		30
Vinyl chloride	96		91		67-130	5		30
Chloroethane	93		90		50-151	3		30
1,1-Dichloroethene	98		93		65-135	5		30
trans-1,2-Dichloroethene	96		92		70-130	4		30
Trichloroethene	99		94		70-130	5		30
1,2-Dichlorobenzene	109		109		70-130	0		30
1,3-Dichlorobenzene	110		108		70-130	2		30
1,4-Dichlorobenzene	108		107		70-130	1		30
Methyl tert butyl ether	96		98		66-130	2		30
p/m-Xylene	105		100		70-130	5		30
o-Xylene	107		103		70-130	4		30
cis-1,2-Dichloroethene	96		93		70-130	3		30
Dibromomethane	100		100		70-130	0		30
Styrene	110		106		70-130	4		30
Dichlorodifluoromethane	111		104		30-146	7		30
Acetone	54		55		54-140	2		30
Carbon disulfide	91		86		59-130	6		30
2-Butanone	73		79		70-130	8		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 285 NIAGARA

Project Number: 0236-001-101

Lab Number: L1223504

Report Date: 01/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG582139-1 WG582139-2								
Vinyl acetate	122		124		70-130	2		30
4-Methyl-2-pentanone	106		109		70-130	3		30
1,2,3-Trichloropropane	106		109		68-130	3		30
2-Hexanone	102		108		70-130	6		30
Bromochloromethane	95		96		70-130	1		30
2,2-Dichloropropane	101		95		70-130	6		30
1,2-Dibromoethane	100		101		70-130	1		30
1,3-Dichloropropane	101		102		69-130	1		30
1,1,1,2-Tetrachloroethane	102		101		70-130	1		30
Bromobenzene	108		106		70-130	2		30
n-Butylbenzene	114		109		70-130	4		30
sec-Butylbenzene	111		105		70-130	6		30
tert-Butylbenzene	111		106		70-130	5		30
o-Chlorotoluene	109		106		70-130	3		30
p-Chlorotoluene	111		108		70-130	3		30
1,2-Dibromo-3-chloropropane	101		107		68-130	6		30
Hexachlorobutadiene	110		103		67-130	7		30
Isopropylbenzene	110		106		70-130	4		30
p-Isopropyltoluene	115		111		70-130	4		30
Naphthalene	107		112		70-130	5		30
Acrylonitrile	93		97		70-130	4		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 285 NIAGARA

Project Number: 0236-001-101

Lab Number: L1223504

Report Date: 01/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG582139-1 WG582139-2								
Isopropyl Ether	96		95		66-130	1		30
tert-Butyl Alcohol	90		97		70-130	7		30
n-Propylbenzene	114		109		70-130	4		30
1,2,3-Trichlorobenzene	109		110		70-130	1		30
1,2,4-Trichlorobenzene	115		116		70-130	1		30
1,3,5-Trimethylbenzene	110		106		70-130	4		30
1,2,4-Trimethylbenzene	113		110		70-130	3		30
Methyl Acetate	82		80		70-130	2		30
Ethyl Acetate	94		96		70-130	2		30
Acrolein	14	Q	15	Q	70-130	7		30
Cyclohexane	104		96		70-130	8		30
1,4-Dioxane	90		96		65-136	6		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	98		92		70-130	6		30
1,4-Diethylbenzene	116		111		70-130	4		30
4-Ethyltoluene	104		101		70-130	3		30
1,2,4,5-Tetramethylbenzene	114		112		70-130	2		30
Tetrahydrofuran	93		95		66-130	2		30
Ethyl ether	96		98		67-130	2		30
trans-1,4-Dichloro-2-butene	92		97		70-130	5		30
Methyl cyclohexane	112		102		70-130	9		30
Ethyl-Tert-Butyl-Ether	96		96		70-130	0		30

Lab Control Sample Analysis Batch Quality Control

Project Name: 285 NIAGARA

Lab Number: L1223504

Project Number: 0236-001-101

Report Date: 01/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG582139-1 WG582139-2								
Tertiary-Amyl Methyl Ether	99		98		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		98		70-130
Toluene-d8	103		104		70-130
4-Bromofluorobenzene	102		102		70-130
Dibromofluoromethane	97		96		70-130

Matrix Spike Analysis Batch Quality Control

Project Name: 285 NIAGARA
Project Number: 0236-001-101

Lab Number: L1223504
Report Date: 01/17/13

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 QC Batch ID: WG582139-7 WG582139-8 QC Sample: L1223501-01 Client ID: MS Sample

Methylene chloride	ND	23.8	18	77		17	73		70-130	6		30
1,1-Dichloroethane	ND	23.8	19	79		18	74		70-130	6		30
Chloroform	ND	23.8	19	78		17	73		70-130	7		30
Carbon tetrachloride	ND	23.8	19	81		18	75		70-130	8		30
1,2-Dichloropropane	ND	23.8	18	76		17	72		70-130	6		30
Dibromochloromethane	ND	23.8	18	74		17	69	Q	70-130	6		30
1,1,2-Trichloroethane	ND	23.8	18	76		18	74		70-130	3		30
Tetrachloroethene	ND	23.8	19	82		18	74		70-130	10		30
Chlorobenzene	ND	23.8	19	78		17	72		70-130	8		30
Trichlorofluoromethane	ND	23.8	21	86		19	79		70-139	8		30
1,2-Dichloroethane	ND	23.8	18	75		17	70		70-130	7		30
1,1,1-Trichloroethane	ND	23.8	19	80		18	74		70-130	8		30
Bromodichloromethane	ND	23.8	18	75		17	70		70-130	8		30
trans-1,3-Dichloropropene	ND	23.8	18	74		17	70		70-130	6		30
cis-1,3-Dichloropropene	ND	23.8	18	75		17	70		70-130	7		30
1,1-Dichloropropene	ND	23.8	19	81		18	75		70-130	8		30
Bromoform	ND	23.8	18	74		16	68	Q	70-130	8		30
1,1,2,2-Tetrachloroethane	ND	23.8	17	71		16	68	Q	70-130	5		30
Benzene	ND	23.8	19	78		18	74		70-130	7		30
Toluene	ND	23.8	21	89		20	82		70-130	7		30
Ethylbenzene	ND	23.8	24	99		22	91		70-130	9		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 285 NIAGARA
Project Number: 0236-001-101

Lab Number: L1223504
Report Date: 01/17/13

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 QC Batch ID: WG582139-7 WG582139-8 QC Sample: L1223501-01 Client ID: MS Sample

Chloromethane	ND	23.8	20	84		19	81		52-130	4		30
Bromomethane	ND	23.8	19	80		18	75		57-147	6		30
Vinyl chloride	ND	23.8	20	82		19	79		67-130	4		30
Chloroethane	ND	23.8	19	81		18	76		50-151	6		30
1,1-Dichloroethene	ND	23.8	19	82		21	86		65-135	6		30
trans-1,2-Dichloroethene	ND	23.8	19	79		18	75		70-130	5		30
Trichloroethene	ND	23.8	20	82		18	75		70-130	9		30
1,2-Dichlorobenzene	ND	23.8	18	75		16	68	Q	70-130	11		30
1,3-Dichlorobenzene	ND	23.8	18	76		16	68	Q	70-130	10		30
1,4-Dichlorobenzene	ND	23.8	18	76		16	67	Q	70-130	12		30
Methyl tert butyl ether	ND	23.8	17	72		16	69		66-130	4		30
p/m-Xylene	ND	47.6	64	134	Q	58	122		70-130	9		30
o-Xylene	ND	47.6	54	112		49	102		70-130	10		30
cis-1,2-Dichloroethene	ND	23.8	18	77		17	72		70-130	6		30
Dibromomethane	ND	23.8	17	72		16	68	Q	70-130	6		30
Styrene	ND	47.6	38	80		35	74		70-130	9		30
Dichlorodifluoromethane	ND	23.8	20	84		19	78		30-146	7		30
Acetone	ND	23.8	33	137		32	134		54-140	2		30
Carbon disulfide	ND	23.8	20	84		21	87		59-130	4		30
2-Butanone	ND	23.8	27	114		26	110		70-130	4		30
Vinyl acetate	ND	23.8	15	61	Q	14	60	Q	70-130	1		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 285 NIAGARA
Project Number: 0236-001-101

Lab Number: L1223504
Report Date: 01/17/13

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 QC Batch ID: WG582139-7 WG582139-8 QC Sample: L1223501-01 Client ID: MS Sample

4-Methyl-2-pentanone	ND	23.8	17	73		17	71		70-130	2		30
1,2,3-Trichloropropane	ND	23.8	18	76		17	73		68-130	5		30
2-Hexanone	ND	23.8	27	114		26	108		70-130	5		30
Bromochloromethane	ND	23.8	18	76		17	73		70-130	5		30
2,2-Dichloropropane	ND	23.8	20	83		18	77		70-130	8		30
1,2-Dibromoethane	ND	23.8	17	72		16	68	Q	70-130	6		30
1,3-Dichloropropane	ND	23.8	18	74		17	70		69-130	6		30
1,1,1,2-Tetrachloroethane	ND	23.8	19	78		17	72		70-130	7		30
Bromobenzene	ND	23.8	19	78		17	71		70-130	10		30
n-Butylbenzene	ND	23.8	23	96		20	85		70-130	13		30
sec-Butylbenzene	ND	23.8	20	85		18	76		70-130	12		30
tert-Butylbenzene	ND	23.8	20	85		18	77		70-130	10		30
o-Chlorotoluene	ND	23.8	19	78		17	71		70-130	10		30
p-Chlorotoluene	ND	23.8	19	79		17	71		70-130	10		30
1,2-Dibromo-3-chloropropane	ND	23.8	16	67	Q	15	63	Q	68-130	6		30
Hexachlorobutadiene	ND	23.8	18	75		15	64	Q	67-130	16		30
Isopropylbenzene	ND	23.8	21	88		19	80		70-130	9		30
p-Isopropyltoluene	ND	23.8	21	86		18	77		70-130	11		30
Naphthalene	ND	23.8	32	134	Q	29	121		70-130	10		30
Acrylonitrile	ND	23.8	16	67	Q	16	65	Q	70-130	3		30
n-Propylbenzene	ND	23.8	25	106		22	94		70-130	12		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 285 NIAGARA
Project Number: 0236-001-101

Lab Number: L1223504
Report Date: 01/17/13

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 QC Batch ID: WG582139-7 WG582139-8 QC Sample: L1223501-01 Client ID: MS Sample

1,2,3-Trichlorobenzene	ND	23.8	15	63	Q	13	55	Q	70-130	13		30
1,2,4-Trichlorobenzene	ND	23.8	16	68	Q	14	59	Q	70-130	14		30
1,3,5-Trimethylbenzene	ND	23.8	36	153	Q	33	136	Q	70-130	11		30
1,2,4-Trimethylbenzene	ND	23.8	98	410	Q	85	355	Q	70-130	14		30
1,4-Dioxane	ND	1190	1000	84		960	81		65-136	4		30
1,4-Diethylbenzene	ND	23.8	47	198	Q	23	96		70-130	70	Q	30
4-Ethyltoluene	ND	23.8	57	238	Q	50	210	Q	70-130	13		30
1,2,4,5-Tetramethylbenzene	ND	23.8	32	134	Q	29	120		70-130	12		30
Ethyl ether	ND	23.8	18	75		17	70		67-130	7		30
trans-1,4-Dichloro-2-butene	ND	23.8	17	71		16	66	Q	70-130	9		30

Surrogate	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
1,2-Dichloroethane-d4	98		99		70-130
4-Bromofluorobenzene	101		101		70-130
Dibromofluoromethane	93		94		70-130
Toluene-d8	101		101		70-130

SEMIVOLATILES

Project Name: 285 NIAGARA**Lab Number:** L1223504**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1223504-01
Client ID: SB-10 (1-2)
Sample Location: 285 NIAGARA ST SITE
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 01/02/13 16:32
Analyst: RC
Percent Solids: 84%

Date Collected: 12/27/12 16:00
Date Received: 12/29/12
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 12/31/12 16:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	42.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	57.	1
Hexachlorobenzene	ND		ug/kg	120	30.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	37.	1
2-Chloronaphthalene	ND		ug/kg	190	58.	1
1,2-Dichlorobenzene	ND		ug/kg	190	57.	1
1,3-Dichlorobenzene	ND		ug/kg	190	60.	1
1,4-Dichlorobenzene	ND		ug/kg	190	55.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	70.	1
2,4-Dinitrotoluene	ND		ug/kg	190	58.	1
2,6-Dinitrotoluene	ND		ug/kg	190	64.	1
Fluoranthene	61	J	ug/kg	120	25.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	34.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	40.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	55.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	49.	1
Hexachlorobutadiene	ND		ug/kg	190	52.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	150	1
Hexachloroethane	ND		ug/kg	160	28.	1
Isophorone	ND		ug/kg	180	46.	1
Naphthalene	ND		ug/kg	190	62.	1
Nitrobenzene	ND		ug/kg	180	57.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	49.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	54.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	40.	1
Butyl benzyl phthalate	ND		ug/kg	190	55.	1
Di-n-butylphthalate	ND		ug/kg	190	33.	1
Di-n-octylphthalate	ND		ug/kg	190	52.	1
Diethyl phthalate	ND		ug/kg	190	34.	1
Dimethyl phthalate	ND		ug/kg	190	32.	1
Benzo(a)anthracene	ND		ug/kg	120	38.	1

Project Name: 285 NIAGARA**Lab Number:** L1223504**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1223504-01

Date Collected: 12/27/12 16:00

Client ID: SB-10 (1-2)

Date Received: 12/29/12

Sample Location: 285 NIAGARA ST SITE

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	160	46.	1
Benzo(b)fluoranthene	61	J	ug/kg	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	30.	1
Chrysene	46	J	ug/kg	120	30.	1
Acenaphthylene	ND		ug/kg	160	50.	1
Anthracene	ND		ug/kg	120	27.	1
Benzo(ghi)perylene	ND		ug/kg	160	49.	1
Fluorene	ND		ug/kg	190	36.	1
Phenanthrene	ND		ug/kg	120	32.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	36.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	48.	1
Pyrene	53	J	ug/kg	120	32.	1
Biphenyl	ND		ug/kg	440	140	1
4-Chloroaniline	ND		ug/kg	190	66.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	22.	1
4-Nitroaniline	ND		ug/kg	190	120	1
Dibenzofuran	ND		ug/kg	190	40.	1
2-Methylnaphthalene	ND		ug/kg	230	77.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	62.	1
Acetophenone	ND		ug/kg	190	62.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
P-Chloro-M-Cresol	ND		ug/kg	190	40.	1
2-Chlorophenol	ND		ug/kg	190	61.	1
2,4-Dichlorophenol	ND		ug/kg	180	56.	1
2,4-Dimethylphenol	ND		ug/kg	190	80.	1
2-Nitrophenol	ND		ug/kg	420	140	1
4-Nitrophenol	ND		ug/kg	270	83.	1
2,4-Dinitrophenol	ND		ug/kg	930	300	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	180	1
Pentachlorophenol	ND		ug/kg	160	46.	1
Phenol	ND		ug/kg	190	61.	1
2-Methylphenol	ND		ug/kg	190	48.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	84.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	45.	1
Benzoic Acid	ND		ug/kg	630	160	1
Benzyl Alcohol	ND		ug/kg	190	45.	1
Carbazole	ND		ug/kg	190	31.	1

Project Name: 285 NIAGARA**Lab Number:** L1223504**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1223504-01

Date Collected: 12/27/12 16:00

Client ID: SB-10 (1-2)

Date Received: 12/29/12

Sample Location: 285 NIAGARA ST SITE

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Tentatively Identified Compounds

Unknown	800	J	ug/kg	1
Unknown	380	J	ug/kg	1
Unknown	270	J	ug/kg	1
Sulfur	1900	J	ug/kg	1
Cyclic octaatomic sulfur	11000	J	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		25-120
Phenol-d6	40		10-120
Nitrobenzene-d5	36		23-120
2-Fluorobiphenyl	45		30-120
2,4,6-Tribromophenol	35		0-136
4-Terphenyl-d14	42		18-120

Project Name: 285 NIAGARA

Lab Number: L1223504

Project Number: 0236-001-101

Report Date: 01/17/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 01/02/13 10:20
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 12/31/12 16:18

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG582184-1					
Acenaphthene	ND		ug/kg	130	36.
1,2,4-Trichlorobenzene	ND		ug/kg	170	48.
Hexachlorobenzene	ND		ug/kg	100	26.
Bis(2-chloroethyl)ether	ND		ug/kg	150	31.
2-Chloronaphthalene	ND		ug/kg	170	50.
1,2-Dichlorobenzene	ND		ug/kg	170	49.
1,3-Dichlorobenzene	ND		ug/kg	170	51.
1,4-Dichlorobenzene	ND		ug/kg	170	47.
3,3'-Dichlorobenzidine	ND		ug/kg	170	60.
2,4-Dinitrotoluene	ND		ug/kg	170	50.
2,6-Dinitrotoluene	ND		ug/kg	170	55.
Fluoranthene	ND		ug/kg	100	22.
4-Chlorophenyl phenyl ether	ND		ug/kg	170	29.
4-Bromophenyl phenyl ether	ND		ug/kg	170	34.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	47.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	42.
Hexachlorobutadiene	ND		ug/kg	170	44.
Hexachlorocyclopentadiene	ND		ug/kg	480	130
Hexachloroethane	ND		ug/kg	130	24.
Isophorone	ND		ug/kg	150	40.
Naphthalene	ND		ug/kg	170	53.
Nitrobenzene	ND		ug/kg	150	48.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	42.
n-Nitrosodi-n-propylamine	ND		ug/kg	170	46.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	34.
Butyl benzyl phthalate	ND		ug/kg	170	47.
Di-n-butylphthalate	ND		ug/kg	170	28.
Di-n-octylphthalate	ND		ug/kg	170	45.
Diethyl phthalate	ND		ug/kg	170	29.
Dimethyl phthalate	ND		ug/kg	170	27.
Benzo(a)anthracene	ND		ug/kg	100	33.

Project Name: 285 NIAGARA

Lab Number: L1223504

Project Number: 0236-001-101

Report Date: 01/17/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 01/02/13 10:20
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 12/31/12 16:18

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG582184-1					
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	100	29.
Benzo(k)fluoranthene	ND		ug/kg	100	26.
Chrysene	ND		ug/kg	100	26.
Acenaphthylene	ND		ug/kg	130	43.
Anthracene	ND		ug/kg	100	23.
Benzo(ghi)perylene	ND		ug/kg	130	42.
Fluorene	ND		ug/kg	170	30.
Phenanthrene	ND		ug/kg	100	28.
Dibenzo(a,h)anthracene	ND		ug/kg	100	31.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	40.
Pyrene	ND		ug/kg	100	27.
Biphenyl	ND		ug/kg	380	120
4-Chloroaniline	ND		ug/kg	170	56.
2-Nitroaniline	ND		ug/kg	170	30.
3-Nitroaniline	ND		ug/kg	170	19.
4-Nitroaniline	ND		ug/kg	170	100
Dibenzofuran	ND		ug/kg	170	34.
2-Methylnaphthalene	ND		ug/kg	200	65.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	53.
Acetophenone	ND		ug/kg	170	53.
2,4,6-Trichlorophenol	ND		ug/kg	100	30.
P-Chloro-M-Cresol	ND		ug/kg	170	34.
2-Chlorophenol	ND		ug/kg	170	52.
2,4-Dichlorophenol	ND		ug/kg	150	48.
2,4-Dimethylphenol	ND		ug/kg	170	68.
2-Nitrophenol	ND		ug/kg	360	120
4-Nitrophenol	ND		ug/kg	230	71.
2,4-Dinitrophenol	ND		ug/kg	800	260
4,6-Dinitro-o-cresol	ND		ug/kg	430	160
Pentachlorophenol	ND		ug/kg	130	39.

Project Name: 285 NIAGARA

Lab Number: L1223504

Project Number: 0236-001-101

Report Date: 01/17/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 01/02/13 10:20
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 12/31/12 16:18

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG582184-1					
Phenol	ND		ug/kg	170	52.
2-Methylphenol	ND		ug/kg	170	41.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	72.
2,4,5-Trichlorophenol	ND		ug/kg	170	39.
Benzoic Acid	ND		ug/kg	540	140
Benzyl Alcohol	ND		ug/kg	170	38.
Carbazole	ND		ug/kg	170	27.

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	84		0-136
4-Terphenyl-d14	94		18-120

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 285 NIAGARA

Project Number: 0236-001-101

Lab Number: L1223504

Report Date: 01/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG582184-2 WG582184-3								
Acenaphthene	77		76		31-137	1		50
1,2,4-Trichlorobenzene	79		77		38-107	3		50
Hexachlorobenzene	83		82		40-140	1		50
Bis(2-chloroethyl)ether	72		76		40-140	5		50
2-Chloronaphthalene	87		87		40-140	0		50
1,2-Dichlorobenzene	77		78		40-140	1		50
1,3-Dichlorobenzene	75		76		40-140	1		50
1,4-Dichlorobenzene	78		77		28-104	1		50
3,3'-Dichlorobenzidine	45		44		40-140	2		50
2,4-Dinitrotoluene	97	Q	94	Q	28-89	3		50
2,6-Dinitrotoluene	99		96		40-140	3		50
Fluoranthene	86		83		40-140	4		50
4-Chlorophenyl phenyl ether	85		84		40-140	1		50
4-Bromophenyl phenyl ether	86		86		40-140	0		50
Bis(2-chloroisopropyl)ether	64		66		40-140	3		50
Bis(2-chloroethoxy)methane	78		82		40-117	5		50
Hexachlorobutadiene	82		82		40-140	0		50
Hexachlorocyclopentadiene	71		70		40-140	1		50
Hexachloroethane	71		74		40-140	4		50
Isophorone	78		81		40-140	4		50
Naphthalene	81		82		40-140	1		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 285 NIAGARA

Project Number: 0236-001-101

Lab Number: L1223504

Report Date: 01/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG582184-2 WG582184-3								
Nitrobenzene	78		78		40-140	0		50
NitrosoDiPhenylAmine(NDPA)/DPA	87		87			0		50
n-Nitrosodi-n-propylamine	74		73		32-121	1		50
Bis(2-Ethylhexyl)phthalate	93		92		40-140	1		50
Butyl benzyl phthalate	85		83		40-140	2		50
Di-n-butylphthalate	90		88		40-140	2		50
Di-n-octylphthalate	92		90		40-140	2		50
Diethyl phthalate	87		86		40-140	1		50
Dimethyl phthalate	86		85		40-140	1		50
Benzo(a)anthracene	87		83		40-140	5		50
Benzo(a)pyrene	93		92		40-140	1		50
Benzo(b)fluoranthene	91		94		40-140	3		50
Benzo(k)fluoranthene	81		80		40-140	1		50
Chrysene	85		84		40-140	1		50
Acenaphthylene	92		92		40-140	0		50
Anthracene	89		86		40-140	3		50
Benzo(ghi)perylene	83		82		40-140	1		50
Fluorene	84		83		40-140	1		50
Phenanthrene	86		84		40-140	2		50
Dibenzo(a,h)anthracene	90		87		40-140	3		50
Indeno(1,2,3-cd)Pyrene	85		83		40-140	2		50

Lab Control Sample Analysis Batch Quality Control

Project Name: 285 NIAGARA

Project Number: 0236-001-101

Lab Number: L1223504

Report Date: 01/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG582184-2 WG582184-3								
Pyrene	84		82		35-142	2		50
Biphenyl	81		83			2		50
4-Chloroaniline	28	Q	29	Q	40-140	4		50
2-Nitroaniline	100		103		47-134	3		50
3-Nitroaniline	41		40		26-129	2		50
4-Nitroaniline	89		86		41-125	3		50
Dibenzofuran	84		84		40-140	0		50
2-Methylnaphthalene	84		84		40-140	0		50
1,2,4,5-Tetrachlorobenzene	78		78		40-117	0		50
Acetophenone	89		89		14-144	0		50
2,4,6-Trichlorophenol	90		92		30-130	2		50
P-Chloro-M-Cresol	98		94		26-103	4		50
2-Chlorophenol	85		87		25-102	2		50
2,4-Dichlorophenol	93		95		30-130	2		50
2,4-Dimethylphenol	91		93		30-130	2		50
2-Nitrophenol	92		95		30-130	3		50
4-Nitrophenol	112		110		11-114	2		50
2,4-Dinitrophenol	80		77		4-130	4		50
4,6-Dinitro-o-cresol	87		85		10-130	2		50
Pentachlorophenol	80		76		17-109	5		50
Phenol	78		79		26-90	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285 NIAGARA

Project Number: 0236-001-101

Lab Number: L1223504

Report Date: 01/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG582184-2 WG582184-3								
2-Methylphenol	89		92		30-130.	3		50
3-Methylphenol/4-Methylphenol	92		93		30-130	1		50
2,4,5-Trichlorophenol	92		95		30-130	3		50
Benzoic Acid	40		39			3		50
Benzyl Alcohol	80		84		40-140	5		50
Carbazole	90		89		54-128	1		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	84		86		25-120
Phenol-d6	89		91		10-120
Nitrobenzene-d5	81		81		23-120
2-Fluorobiphenyl	87		88		30-120
2,4,6-Tribromophenol	99		97		0-136
4-Terphenyl-d14	89		87		18-120

INORGANICS & MISCELLANEOUS

Project Name: 285 NIAGARA**Project Number:** 0236-001-101**Lab Number:** L1223504**Report Date:** 01/17/13**SAMPLE RESULTS****Lab ID:** L1223504-01**Client ID:** SB-10 (1-2)**Sample Location:** 285 NIAGARA ST SITE**Matrix:** Soil**Date Collected:** 12/27/12 16:00**Date Received:** 12/29/12**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84		%	0.10	NA	1	-	01/02/13 09:16	30,2540G	ML



Lab Duplicate Analysis
Batch Quality Control

Project Name: 285 NIAGARA
Project Number: 0236-001-101

Lab Number: L1223504
Report Date: 01/17/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG582242-1 QC Sample: L1223534-21 Client ID: DUP Sample						
Solids, Total	72.	71	%	1		20

Project Name: 285 NIAGARA

Project Number: 0236-001-101

Lab Number: L1223504

Report Date: 01/17/13

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal**Cooler**

A

Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1223504-01A	Amber 120ml unpreserved	A	N/A	3.1	Y	Absent	NYTCL-8270(14),TS(7),NYTCL-8260(14)
L1223504-01B	Amber 120ml unpreserved	A	N/A	3.1	Y	Absent	-
L1223504-01C	Amber 120ml unpreserved	A	N/A	3.1	Y	Absent	-

*Values in parentheses indicate holding time in days

Project Name: 285 NIAGARA
Project Number: 0236-001-101

Lab Number: L1223504
Report Date: 01/17/13

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

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

Terms

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 five times (5x) 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.
- 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 RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers



Project Name: 285 NIAGARA
Project Number: 0236-001-101

Lab Number: L1223504
Report Date: 01/17/13

Data Qualifiers

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.
- 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: 285 NIAGARA
Project Number: 0236-001-101

Lab Number: L1223504
Report Date: 01/17/13

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.
- 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.



Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. **NELAP Accredited Solid Waste/Soil.**

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.

Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.

Drinking Water (Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; Colilert/OT SM9223B; MF-SM9222D.)

Non-Potable Water (Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: 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-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. *Microbiology Parameters:* (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. *Organic Parameters:* 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. *Organic Parameters:* SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. *Organic Parameters:* SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. *Organic Parameters:* EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500CI-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. *Organic Parameters:* SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. *Organic Parameters:* SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. *Organic Parameters:* EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. *Organic Parameters:* EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. *Organic Parameters:* EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO₃-F, 353.2, 4500P-E, 4500SO₄-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311, 1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. **NELAP Accredited.**

Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO₃-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A, 3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P, BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH₃-H, 4500NO₂-B, 4500NO₃-F, 4500S-D, 4500SO₃-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH₃-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. **NELAP Accredited via NJ-DEP.**

Refer to MA-DEP Certificate for Potable and Non-Potable Water.

Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commission on Environmental Quality Certificate/Lab ID: T104704476. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH₃-H, 4500NO₂B, 4500P-E, 4500 S²⁻D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. **NELAP Accredited.**

Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO₃-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.

Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO₃-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:

EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methyl naphthalenes, Total Dimethyl naphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO₂ in a soil matrix, NO₃ in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.



ANALYTICAL REPORT

Lab Number:	L1300057
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Mike Lesakowski
Phone:	(716) 856-0599
Project Name:	285 NIAGARA ST
Project Number:	0236-001-101
Report Date:	01/17/13

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

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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



Project Name: 285 NIAGARA ST
Project Number: 0236-001-101

Lab Number: L1300057
Report Date: 01/17/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1300057-01	SW-6	285 NIAGARA ST	12/31/12 12:50
L1300057-02	SW-7	285 NIAGARA ST	12/31/12 13:00
L1300057-03	SW-5	285 NIAGARA ST	12/31/12 12:35
L1300057-04	BOTTOM-2	285 NIAGARA ST	12/31/12 12:30
L1300057-05	BOTTOM-3	285 NIAGARA ST	01/02/13 08:45
L1300057-06	SW-8	285 NIAGARA ST	01/02/13 09:30
L1300057-07	SW-9	285 NIAGARA ST	01/02/13 09:45
L1300057-08	SW-10	285 NIAGARA ST	01/02/13 10:30
L1300057-09	SW-11	285 NIAGARA ST	01/02/13 11:30
L1300057-10	SW-12	285 NIAGARA ST	01/02/13 15:30
L1300057-11	SW-13	285 NIAGARA ST	01/02/13 15:40
L1300057-12	SW-14	285 NIAGARA ST	01/02/13 15:45
L1300057-13	BOTTOM-4	285 NIAGARA ST	01/02/13 15:55

Project Name: 285 NIAGARA ST
Project Number: 0236-001-101

Lab Number: L1300057
Report Date: 01/17/13

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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 free of charge for 30 days from the date the project is completed. After 30 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.

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

Project Name: 285 NIAGARA ST
Project Number: 0236-001-101

Lab Number: L1300057
Report Date: 01/17/13

Case Narrative (continued)

Report Submission

This report replaces the report issued on January 7, 2013. The full NYTCL analyte list is now reported for the Volatile Organics and Semivolatile Organics analyses.

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

Volatile Organics

The surrogate recoveries for L1300057-01 and -09 are below the acceptance criteria for Dibromofluoromethane (67% and 69%, respectively), due to a known matrix effect caused by the high pH of the samples (>10).

L1300057-04 has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

L1300057-07 has elevated detection limits due to the dilution required by the matrix interferences encountered during the concentration of the sample and the analytical dilution required by the sample matrix.

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

Authorized Signature:



Cynthia McQueen

Title: Technical Director/Representative

Date: 01/17/13

ORGANICS

VOLATILES

Project Name: 285 NIAGARA ST**Lab Number:** L1300057**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300057-01
Client ID: SW-6
Sample Location: 285 NIAGARA ST
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/03/13 12:09
Analyst: BN
Percent Solids: 86%

Date Collected: 12/31/12 12:50
Date Received: 01/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.34	1
Chloroform	ND		ug/kg	1.7	0.38	1
Carbon tetrachloride	ND		ug/kg	1.2	0.24	1
1,2-Dichloropropane	ND		ug/kg	4.1	0.30	1
Dibromochloromethane	ND		ug/kg	1.2	0.36	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.46	1
Tetrachloroethene	ND		ug/kg	1.2	0.36	1
Chlorobenzene	ND		ug/kg	1.2	0.22	1
Trichlorofluoromethane	ND		ug/kg	5.8	0.46	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.31	1
Bromodichloromethane	ND		ug/kg	1.2	0.45	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.35	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.31	1
1,1-Dichloropropene	ND		ug/kg	5.8	0.53	1
Bromoform	ND		ug/kg	4.6	0.58	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.28	1
Benzene	ND		ug/kg	1.2	0.34	1
Toluene	ND		ug/kg	1.7	0.28	1
Ethylbenzene	ND		ug/kg	1.2	0.26	1
Chloromethane	ND		ug/kg	5.8	0.91	1
Bromomethane	ND		ug/kg	2.3	0.75	1
Vinyl chloride	ND		ug/kg	2.3	0.88	1
Chloroethane	ND		ug/kg	2.3	0.51	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.46	1
Trichloroethene	ND		ug/kg	1.2	0.26	1
1,2-Dichlorobenzene	ND		ug/kg	5.8	0.42	1
1,3-Dichlorobenzene	ND		ug/kg	5.8	0.46	1
1,4-Dichlorobenzene	ND		ug/kg	5.8	0.49	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300057**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300057-01

Date Collected: 12/31/12 12:50

Client ID: SW-6

Date Received: 01/03/13

Sample Location: 285 NIAGARA ST

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	0.57	1
p/m-Xylene	ND		ug/kg	2.3	0.50	1
o-Xylene	ND		ug/kg	2.3	0.48	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.35	1
Dibromomethane	ND		ug/kg	12	0.50	1
Styrene	ND		ug/kg	2.3	0.84	1
Dichlorodifluoromethane	ND		ug/kg	12	0.45	1
Acetone	ND		ug/kg	12	3.8	1
Carbon disulfide	ND		ug/kg	12	2.3	1
2-Butanone	ND		ug/kg	12	4.5	1
Vinyl acetate	ND		ug/kg	12	0.87	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.95	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.45	1
2-Hexanone	ND		ug/kg	12	0.46	1
Bromochloromethane	ND		ug/kg	5.8	0.35	1
2,2-Dichloropropane	ND		ug/kg	5.8	0.92	1
1,2-Dibromoethane	ND		ug/kg	4.6	0.48	1
1,3-Dichloropropane	ND		ug/kg	5.8	0.66	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.38	1
Bromobenzene	ND		ug/kg	5.8	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.36	1
sec-Butylbenzene	ND		ug/kg	1.2	0.32	1
tert-Butylbenzene	ND		ug/kg	5.8	0.70	1
o-Chlorotoluene	ND		ug/kg	5.8	0.36	1
p-Chlorotoluene	ND		ug/kg	5.8	0.42	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.8	0.97	1
Hexachlorobutadiene	ND		ug/kg	5.8	0.53	1
Isopropylbenzene	ND		ug/kg	1.2	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.32	1
Naphthalene	ND		ug/kg	5.8	0.89	1
Acrylonitrile	ND		ug/kg	12	0.44	1
n-Propylbenzene	ND		ug/kg	1.2	0.33	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.8	0.47	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.8	0.92	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.8	0.70	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.8	0.67	1
1,4-Dioxane	ND		ug/kg	120	20.	1
1,4-Diethylbenzene	ND		ug/kg	4.6	0.23	1
4-Ethyltoluene	ND		ug/kg	4.6	0.11	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300057**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300057-01
 Client ID: SW-6
 Sample Location: 285 NIAGARA ST

Date Collected: 12/31/12 12:50
 Date Received: 01/03/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.6	0.21	1
Ethyl ether	ND		ug/kg	5.8	0.44	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.8	1.7	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	67	Q	70-130

Project Name: 285 NIAGARA ST**Lab Number:** L1300057**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300057-02
Client ID: SW-7
Sample Location: 285 NIAGARA ST
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/03/13 12:36
Analyst: BN
Percent Solids: 85%

Date Collected: 12/31/12 13:00
Date Received: 01/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.35	1
Chloroform	ND		ug/kg	1.8	0.38	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.1	0.30	1
Dibromochloromethane	ND		ug/kg	1.2	0.36	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.46	1
Tetrachloroethene	ND		ug/kg	1.2	0.36	1
Chlorobenzene	ND		ug/kg	1.2	0.22	1
Trichlorofluoromethane	ND		ug/kg	5.9	0.46	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.32	1
Bromodichloromethane	ND		ug/kg	1.2	0.45	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.35	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.31	1
1,1-Dichloropropene	ND		ug/kg	5.9	0.54	1
Bromoform	ND		ug/kg	4.7	0.58	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.28	1
Benzene	ND		ug/kg	1.2	0.35	1
Toluene	ND		ug/kg	1.8	0.28	1
Ethylbenzene	ND		ug/kg	1.2	0.26	1
Chloromethane	ND		ug/kg	5.9	0.92	1
Bromomethane	ND		ug/kg	2.4	0.76	1
Vinyl chloride	ND		ug/kg	2.4	0.89	1
Chloroethane	ND		ug/kg	2.4	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.46	1
Trichloroethene	ND		ug/kg	1.2	0.26	1
1,2-Dichlorobenzene	ND		ug/kg	5.9	0.43	1
1,3-Dichlorobenzene	ND		ug/kg	5.9	0.47	1
1,4-Dichlorobenzene	ND		ug/kg	5.9	0.49	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300057**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300057-02
 Client ID: SW-7
 Sample Location: 285 NIAGARA ST

Date Collected: 12/31/12 13:00
 Date Received: 01/03/13
 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	2.4	0.57	1
p/m-Xylene	ND		ug/kg	2.4	0.50	1
o-Xylene	ND		ug/kg	2.4	0.49	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.35	1
Dibromomethane	ND		ug/kg	12	0.51	1
Styrene	ND		ug/kg	2.4	0.85	1
Dichlorodifluoromethane	ND		ug/kg	12	0.46	1
Acetone	ND		ug/kg	12	3.8	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	ND		ug/kg	12	4.6	1
Vinyl acetate	ND		ug/kg	12	0.88	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.96	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.46	1
2-Hexanone	ND		ug/kg	12	0.47	1
Bromochloromethane	ND		ug/kg	5.9	0.36	1
2,2-Dichloropropane	ND		ug/kg	5.9	0.94	1
1,2-Dibromoethane	ND		ug/kg	4.7	0.48	1
1,3-Dichloropropane	ND		ug/kg	5.9	0.66	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.39	1
Bromobenzene	ND		ug/kg	5.9	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.37	1
sec-Butylbenzene	ND		ug/kg	1.2	0.32	1
tert-Butylbenzene	ND		ug/kg	5.9	0.71	1
o-Chlorotoluene	ND		ug/kg	5.9	0.37	1
p-Chlorotoluene	ND		ug/kg	5.9	0.42	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.9	0.98	1
Hexachlorobutadiene	ND		ug/kg	5.9	0.54	1
Isopropylbenzene	ND		ug/kg	1.2	0.21	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.32	1
Naphthalene	ND		ug/kg	5.9	0.90	1
Acrylonitrile	ND		ug/kg	12	0.44	1
n-Propylbenzene	ND		ug/kg	1.2	0.33	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.9	0.47	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.9	0.93	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.9	0.71	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.9	0.67	1
1,4-Dioxane	ND		ug/kg	120	20.	1
1,4-Diethylbenzene	ND		ug/kg	4.7	0.24	1
4-Ethyltoluene	ND		ug/kg	4.7	0.11	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300057**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300057-02
 Client ID: SW-7
 Sample Location: 285 NIAGARA ST

Date Collected: 12/31/12 13:00
 Date Received: 01/03/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.7	0.21	1
Ethyl ether	ND		ug/kg	5.9	0.45	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.9	1.7	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	75		70-130

Project Name: 285 NIAGARA ST**Lab Number:** L1300057**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300057-03
Client ID: SW-5
Sample Location: 285 NIAGARA ST
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/03/13 13:04
Analyst: BN
Percent Solids: 86%

Date Collected: 12/31/12 12:35
Date Received: 01/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.34	1
Chloroform	ND		ug/kg	1.7	0.38	1
Carbon tetrachloride	ND		ug/kg	1.2	0.24	1
1,2-Dichloropropane	ND		ug/kg	4.1	0.30	1
Dibromochloromethane	ND		ug/kg	1.2	0.36	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.46	1
Tetrachloroethene	ND		ug/kg	1.2	0.36	1
Chlorobenzene	ND		ug/kg	1.2	0.22	1
Trichlorofluoromethane	ND		ug/kg	5.8	0.46	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.31	1
Bromodichloromethane	ND		ug/kg	1.2	0.45	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.35	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.31	1
1,1-Dichloropropene	ND		ug/kg	5.8	0.53	1
Bromoform	ND		ug/kg	4.6	0.58	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.28	1
Benzene	ND		ug/kg	1.2	0.34	1
Toluene	ND		ug/kg	1.7	0.28	1
Ethylbenzene	ND		ug/kg	1.2	0.26	1
Chloromethane	ND		ug/kg	5.8	0.91	1
Bromomethane	ND		ug/kg	2.3	0.75	1
Vinyl chloride	ND		ug/kg	2.3	0.88	1
Chloroethane	ND		ug/kg	2.3	0.51	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.46	1
Trichloroethene	ND		ug/kg	1.2	0.26	1
1,2-Dichlorobenzene	ND		ug/kg	5.8	0.42	1
1,3-Dichlorobenzene	ND		ug/kg	5.8	0.46	1
1,4-Dichlorobenzene	ND		ug/kg	5.8	0.49	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300057**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300057-03
 Client ID: SW-5
 Sample Location: 285 NIAGARA ST

Date Collected: 12/31/12 12:35
 Date Received: 01/03/13
 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	0.57	1
p/m-Xylene	ND		ug/kg	2.3	0.50	1
o-Xylene	ND		ug/kg	2.3	0.48	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.35	1
Dibromomethane	ND		ug/kg	12	0.50	1
Styrene	ND		ug/kg	2.3	0.84	1
Dichlorodifluoromethane	ND		ug/kg	12	0.45	1
Acetone	7.6	J	ug/kg	12	3.8	1
Carbon disulfide	ND		ug/kg	12	2.3	1
2-Butanone	ND		ug/kg	12	4.5	1
Vinyl acetate	ND		ug/kg	12	0.87	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.95	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.45	1
2-Hexanone	ND		ug/kg	12	0.46	1
Bromochloromethane	ND		ug/kg	5.8	0.35	1
2,2-Dichloropropane	ND		ug/kg	5.8	0.92	1
1,2-Dibromoethane	ND		ug/kg	4.6	0.48	1
1,3-Dichloropropane	ND		ug/kg	5.8	0.66	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.38	1
Bromobenzene	ND		ug/kg	5.8	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.36	1
sec-Butylbenzene	ND		ug/kg	1.2	0.32	1
tert-Butylbenzene	ND		ug/kg	5.8	0.70	1
o-Chlorotoluene	ND		ug/kg	5.8	0.36	1
p-Chlorotoluene	ND		ug/kg	5.8	0.42	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.8	0.97	1
Hexachlorobutadiene	ND		ug/kg	5.8	0.53	1
Isopropylbenzene	ND		ug/kg	1.2	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.32	1
Naphthalene	ND		ug/kg	5.8	0.89	1
Acrylonitrile	ND		ug/kg	12	0.44	1
n-Propylbenzene	ND		ug/kg	1.2	0.33	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.8	0.47	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.8	0.92	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.8	0.70	1
1,2,4-Trimethylbenzene	0.83	J	ug/kg	5.8	0.67	1
1,4-Dioxane	ND		ug/kg	120	20.	1
1,4-Diethylbenzene	ND		ug/kg	4.6	0.23	1
4-Ethyltoluene	0.49	J	ug/kg	4.6	0.11	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300057**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300057-03
 Client ID: SW-5
 Sample Location: 285 NIAGARA ST

Date Collected: 12/31/12 12:35
 Date Received: 01/03/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.6	0.21	1
Ethyl ether	ND		ug/kg	5.8	0.44	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.8	1.7	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	95		70-130

Project Name: 285 NIAGARA ST**Lab Number:** L1300057**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300057-04 D
Client ID: BOTTOM-2
Sample Location: 285 NIAGARA ST
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/03/13 13:32
Analyst: BN
Percent Solids: 87%

Date Collected: 12/31/12 12:30
Date Received: 01/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	570	110	50
1,1-Dichloroethane	ND		ug/kg	86	17.	50
Chloroform	ND		ug/kg	86	19.	50
Carbon tetrachloride	ND		ug/kg	57	12.	50
1,2-Dichloropropane	ND		ug/kg	200	15.	50
Dibromochloromethane	ND		ug/kg	57	18.	50
1,1,2-Trichloroethane	ND		ug/kg	86	22.	50
Tetrachloroethene	ND		ug/kg	57	18.	50
Chlorobenzene	ND		ug/kg	57	11.	50
Trichlorofluoromethane	ND		ug/kg	290	22.	50
1,2-Dichloroethane	ND		ug/kg	57	13.	50
1,1,1-Trichloroethane	ND		ug/kg	57	16.	50
Bromodichloromethane	ND		ug/kg	57	22.	50
trans-1,3-Dichloropropene	ND		ug/kg	57	17.	50
cis-1,3-Dichloropropene	ND		ug/kg	57	15.	50
1,1-Dichloropropene	ND		ug/kg	290	26.	50
Bromoform	ND		ug/kg	230	28.	50
1,1,2,2-Tetrachloroethane	ND		ug/kg	57	14.	50
Benzene	ND		ug/kg	57	17.	50
Toluene	ND		ug/kg	86	14.	50
Ethylbenzene	39	J	ug/kg	57	13.	50
Chloromethane	ND		ug/kg	290	45.	50
Bromomethane	ND		ug/kg	110	37.	50
Vinyl chloride	ND		ug/kg	110	43.	50
Chloroethane	ND		ug/kg	110	25.	50
1,1-Dichloroethene	ND		ug/kg	57	15.	50
trans-1,2-Dichloroethene	ND		ug/kg	86	22.	50
Trichloroethene	ND		ug/kg	57	13.	50
1,2-Dichlorobenzene	ND		ug/kg	290	21.	50
1,3-Dichlorobenzene	ND		ug/kg	290	23.	50
1,4-Dichlorobenzene	ND		ug/kg	290	24.	50

Project Name: 285 NIAGARA ST**Lab Number:** L1300057**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300057-04 D

Date Collected: 12/31/12 12:30

Client ID: BOTTOM-2

Date Received: 01/03/13

Sample Location: 285 NIAGARA ST

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	110	28.	50
p/m-Xylene	190		ug/kg	110	25.	50
o-Xylene	ND		ug/kg	110	24.	50
cis-1,2-Dichloroethene	ND		ug/kg	57	17.	50
Dibromomethane	ND		ug/kg	570	25.	50
Styrene	ND		ug/kg	110	42.	50
Dichlorodifluoromethane	ND		ug/kg	570	22.	50
Acetone	ND		ug/kg	570	180	50
Carbon disulfide	ND		ug/kg	570	110	50
2-Butanone	ND		ug/kg	570	220	50
Vinyl acetate	ND		ug/kg	570	43.	50
4-Methyl-2-pentanone	ND		ug/kg	570	47.	50
1,2,3-Trichloropropane	ND		ug/kg	570	22.	50
2-Hexanone	ND		ug/kg	570	23.	50
Bromochloromethane	ND		ug/kg	290	17.	50
2,2-Dichloropropane	ND		ug/kg	290	46.	50
1,2-Dibromoethane	ND		ug/kg	230	23.	50
1,3-Dichloropropane	ND		ug/kg	290	32.	50
1,1,1,2-Tetrachloroethane	ND		ug/kg	57	19.	50
Bromobenzene	ND		ug/kg	290	13.	50
n-Butylbenzene	70		ug/kg	57	18.	50
sec-Butylbenzene	ND		ug/kg	57	16.	50
tert-Butylbenzene	ND		ug/kg	290	35.	50
o-Chlorotoluene	66	J	ug/kg	290	18.	50
p-Chlorotoluene	ND		ug/kg	290	21.	50
1,2-Dibromo-3-chloropropane	ND		ug/kg	290	48.	50
Hexachlorobutadiene	ND		ug/kg	290	26.	50
Isopropylbenzene	ND		ug/kg	57	10.	50
p-Isopropyltoluene	ND		ug/kg	57	16.	50
Naphthalene	290		ug/kg	290	44.	50
Acrylonitrile	ND		ug/kg	570	22.	50
n-Propylbenzene	220		ug/kg	57	16.	50
1,2,3-Trichlorobenzene	ND		ug/kg	290	23.	50
1,2,4-Trichlorobenzene	ND		ug/kg	290	45.	50
1,3,5-Trimethylbenzene	540		ug/kg	290	34.	50
1,2,4-Trimethylbenzene	1700		ug/kg	290	33.	50
1,4-Dioxane	ND		ug/kg	5700	1000	50
1,4-Diethylbenzene	420		ug/kg	230	11.	50
4-Ethyltoluene	1100		ug/kg	230	5.6	50

Project Name: 285 NIAGARA ST**Lab Number:** L1300057**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300057-04 D

Date Collected: 12/31/12 12:30

Client ID: BOTTOM-2

Date Received: 01/03/13

Sample Location: 285 NIAGARA ST

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

1,2,4,5-Tetramethylbenzene	180	J	ug/kg	230	10.	50
Ethyl ether	ND		ug/kg	290	22.	50
trans-1,4-Dichloro-2-butene	ND		ug/kg	290	85.	50

Tentatively Identified Compounds

Pentane, 2-methyl-	1100	NJ	ug/kg			50
Unknown Alkane	680	J	ug/kg			50
Hexane	990	NJ	ug/kg			50
Cyclopentane, methyl-	820	NJ	ug/kg			50
Unknown	690	J	ug/kg			50
Hexane, 3-methyl-	500	NJ	ug/kg			50
Heptane	690	NJ	ug/kg			50
Cyclohexane, methyl-	850	NJ	ug/kg			50
Unknown Cycloaromatic	400	J	ug/kg			50
Unknown Naphthalene	410	J	ug/kg			50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	88		70-130

Project Name: 285 NIAGARA ST**Lab Number:** L1300057**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300057-05
Client ID: BOTTOM-3
Sample Location: 285 NIAGARA ST
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/03/13 14:00
Analyst: BN
Percent Solids: 86%

Date Collected: 01/02/13 08:45
Date Received: 01/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.34	1
Chloroform	ND		ug/kg	1.7	0.38	1
Carbon tetrachloride	ND		ug/kg	1.2	0.24	1
1,2-Dichloropropane	ND		ug/kg	4.1	0.30	1
Dibromochloromethane	ND		ug/kg	1.2	0.36	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.46	1
Tetrachloroethene	ND		ug/kg	1.2	0.36	1
Chlorobenzene	ND		ug/kg	1.2	0.22	1
Trichlorofluoromethane	ND		ug/kg	5.8	0.46	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.31	1
Bromodichloromethane	ND		ug/kg	1.2	0.45	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.35	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.31	1
1,1-Dichloropropene	ND		ug/kg	5.8	0.53	1
Bromoform	ND		ug/kg	4.6	0.58	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.28	1
Benzene	ND		ug/kg	1.2	0.34	1
Toluene	ND		ug/kg	1.7	0.28	1
Ethylbenzene	ND		ug/kg	1.2	0.26	1
Chloromethane	ND		ug/kg	5.8	0.91	1
Bromomethane	ND		ug/kg	2.3	0.75	1
Vinyl chloride	ND		ug/kg	2.3	0.88	1
Chloroethane	ND		ug/kg	2.3	0.51	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.46	1
Trichloroethene	ND		ug/kg	1.2	0.26	1
1,2-Dichlorobenzene	ND		ug/kg	5.8	0.42	1
1,3-Dichlorobenzene	ND		ug/kg	5.8	0.46	1
1,4-Dichlorobenzene	ND		ug/kg	5.8	0.49	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300057**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300057-05
 Client ID: BOTTOM-3
 Sample Location: 285 NIAGARA ST

Date Collected: 01/02/13 08:45
 Date Received: 01/03/13
 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	0.57	1
p/m-Xylene	ND		ug/kg	2.3	0.50	1
o-Xylene	ND		ug/kg	2.3	0.48	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.35	1
Dibromomethane	ND		ug/kg	12	0.50	1
Styrene	ND		ug/kg	2.3	0.84	1
Dichlorodifluoromethane	ND		ug/kg	12	0.45	1
Acetone	ND		ug/kg	12	3.8	1
Carbon disulfide	ND		ug/kg	12	2.3	1
2-Butanone	ND		ug/kg	12	4.5	1
Vinyl acetate	ND		ug/kg	12	0.87	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.95	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.45	1
2-Hexanone	ND		ug/kg	12	0.46	1
Bromochloromethane	ND		ug/kg	5.8	0.35	1
2,2-Dichloropropane	ND		ug/kg	5.8	0.92	1
1,2-Dibromoethane	ND		ug/kg	4.6	0.48	1
1,3-Dichloropropane	ND		ug/kg	5.8	0.66	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.38	1
Bromobenzene	ND		ug/kg	5.8	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.36	1
sec-Butylbenzene	ND		ug/kg	1.2	0.32	1
tert-Butylbenzene	ND		ug/kg	5.8	0.70	1
o-Chlorotoluene	ND		ug/kg	5.8	0.36	1
p-Chlorotoluene	ND		ug/kg	5.8	0.42	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.8	0.97	1
Hexachlorobutadiene	ND		ug/kg	5.8	0.53	1
Isopropylbenzene	ND		ug/kg	1.2	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.32	1
Naphthalene	ND		ug/kg	5.8	0.89	1
Acrylonitrile	ND		ug/kg	12	0.44	1
n-Propylbenzene	ND		ug/kg	1.2	0.33	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.8	0.47	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.8	0.92	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.8	0.70	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.8	0.67	1
1,4-Dioxane	ND		ug/kg	120	20.	1
1,4-Diethylbenzene	ND		ug/kg	4.6	0.23	1
4-Ethyltoluene	ND		ug/kg	4.6	0.11	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300057**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300057-05
 Client ID: BOTTOM-3
 Sample Location: 285 NIAGARA ST

Date Collected: 01/02/13 08:45
 Date Received: 01/03/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.6	0.21	1
Ethyl ether	ND		ug/kg	5.8	0.44	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.8	1.7	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	94		70-130

Project Name: 285 NIAGARA ST**Lab Number:** L1300057**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300057-06
Client ID: SW-8
Sample Location: 285 NIAGARA ST
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/03/13 14:28
Analyst: BN
Percent Solids: 84%

Date Collected: 01/02/13 09:30
Date Received: 01/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.35	1
Chloroform	ND		ug/kg	1.8	0.39	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.2	0.30	1
Dibromochloromethane	ND		ug/kg	1.2	0.37	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.47	1
Tetrachloroethene	ND		ug/kg	1.2	0.36	1
Chlorobenzene	ND		ug/kg	1.2	0.22	1
Trichlorofluoromethane	ND		ug/kg	6.0	0.46	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.32	1
Bromodichloromethane	ND		ug/kg	1.2	0.46	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.36	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
1,1-Dichloropropene	ND		ug/kg	6.0	0.54	1
Bromoform	ND		ug/kg	4.8	0.59	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.28	1
Benzene	ND		ug/kg	1.2	0.35	1
Toluene	ND		ug/kg	1.8	0.29	1
Ethylbenzene	ND		ug/kg	1.2	0.26	1
Chloromethane	ND		ug/kg	6.0	0.93	1
Bromomethane	ND		ug/kg	2.4	0.77	1
Vinyl chloride	ND		ug/kg	2.4	0.90	1
Chloroethane	ND		ug/kg	2.4	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.47	1
Trichloroethene	ND		ug/kg	1.2	0.27	1
1,2-Dichlorobenzene	ND		ug/kg	6.0	0.43	1
1,3-Dichlorobenzene	ND		ug/kg	6.0	0.48	1
1,4-Dichlorobenzene	ND		ug/kg	6.0	0.50	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300057**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300057-06
 Client ID: SW-8
 Sample Location: 285 NIAGARA ST

Date Collected: 01/02/13 09:30
 Date Received: 01/03/13
 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	2.4	0.58	1
p/m-Xylene	ND		ug/kg	2.4	0.51	1
o-Xylene	ND		ug/kg	2.4	0.50	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.36	1
Dibromomethane	ND		ug/kg	12	0.52	1
Styrene	ND		ug/kg	2.4	0.86	1
Dichlorodifluoromethane	ND		ug/kg	12	0.46	1
Acetone	ND		ug/kg	12	3.8	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	ND		ug/kg	12	4.6	1
Vinyl acetate	ND		ug/kg	12	0.89	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.97	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.46	1
2-Hexanone	ND		ug/kg	12	0.47	1
Bromochloromethane	ND		ug/kg	6.0	0.36	1
2,2-Dichloropropane	ND		ug/kg	6.0	0.95	1
1,2-Dibromoethane	ND		ug/kg	4.8	0.49	1
1,3-Dichloropropane	ND		ug/kg	6.0	0.67	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.39	1
Bromobenzene	ND		ug/kg	6.0	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.37	1
sec-Butylbenzene	ND		ug/kg	1.2	0.33	1
tert-Butylbenzene	ND		ug/kg	6.0	0.72	1
o-Chlorotoluene	ND		ug/kg	6.0	0.37	1
p-Chlorotoluene	ND		ug/kg	6.0	0.43	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.0	1.0	1
Hexachlorobutadiene	ND		ug/kg	6.0	0.54	1
Isopropylbenzene	ND		ug/kg	1.2	0.21	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.32	1
Naphthalene	ND		ug/kg	6.0	0.92	1
Acrylonitrile	ND		ug/kg	12	0.45	1
n-Propylbenzene	ND		ug/kg	1.2	0.34	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.0	0.48	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.0	0.94	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.0	0.72	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.0	0.68	1
1,4-Dioxane	ND		ug/kg	120	21.	1
1,4-Diethylbenzene	ND		ug/kg	4.8	0.24	1
4-Ethyltoluene	ND		ug/kg	4.8	0.12	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300057**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300057-06
 Client ID: SW-8
 Sample Location: 285 NIAGARA ST

Date Collected: 01/02/13 09:30
 Date Received: 01/03/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.8	0.22	1
Ethyl ether	ND		ug/kg	6.0	0.45	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.0	1.8	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	95		70-130

Project Name: 285 NIAGARA ST**Lab Number:** L1300057**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300057-07
Client ID: SW-9
Sample Location: 285 NIAGARA ST
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/03/13 14:55
Analyst: BN
Percent Solids: 84%

Date Collected: 01/02/13 09:45
Date Received: 01/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.35	1
Chloroform	ND		ug/kg	1.8	0.39	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.2	0.30	1
Dibromochloromethane	ND		ug/kg	1.2	0.37	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.47	1
Tetrachloroethene	ND		ug/kg	1.2	0.36	1
Chlorobenzene	ND		ug/kg	1.2	0.22	1
Trichlorofluoromethane	ND		ug/kg	6.0	0.46	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.32	1
Bromodichloromethane	ND		ug/kg	1.2	0.46	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.36	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
1,1-Dichloropropene	ND		ug/kg	6.0	0.54	1
Bromoform	ND		ug/kg	4.8	0.59	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.28	1
Benzene	ND		ug/kg	1.2	0.35	1
Toluene	ND		ug/kg	1.8	0.29	1
Ethylbenzene	ND		ug/kg	1.2	0.26	1
Chloromethane	ND		ug/kg	6.0	0.93	1
Bromomethane	ND		ug/kg	2.4	0.77	1
Vinyl chloride	ND		ug/kg	2.4	0.90	1
Chloroethane	ND		ug/kg	2.4	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.47	1
Trichloroethene	ND		ug/kg	1.2	0.27	1
1,2-Dichlorobenzene	ND		ug/kg	6.0	0.43	1
1,3-Dichlorobenzene	ND		ug/kg	6.0	0.48	1
1,4-Dichlorobenzene	ND		ug/kg	6.0	0.50	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300057**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300057-07
 Client ID: SW-9
 Sample Location: 285 NIAGARA ST

Date Collected: 01/02/13 09:45
 Date Received: 01/03/13
 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	2.4	0.58	1
p/m-Xylene	ND		ug/kg	2.4	0.51	1
o-Xylene	ND		ug/kg	2.4	0.50	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.36	1
Dibromomethane	ND		ug/kg	12	0.52	1
Styrene	ND		ug/kg	2.4	0.86	1
Dichlorodifluoromethane	ND		ug/kg	12	0.46	1
Acetone	ND		ug/kg	12	3.8	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	ND		ug/kg	12	4.6	1
Vinyl acetate	ND		ug/kg	12	0.89	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.97	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.46	1
2-Hexanone	ND		ug/kg	12	0.47	1
Bromochloromethane	ND		ug/kg	6.0	0.36	1
2,2-Dichloropropane	ND		ug/kg	6.0	0.95	1
1,2-Dibromoethane	ND		ug/kg	4.8	0.49	1
1,3-Dichloropropane	ND		ug/kg	6.0	0.67	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.39	1
Bromobenzene	ND		ug/kg	6.0	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.37	1
sec-Butylbenzene	ND		ug/kg	1.2	0.33	1
tert-Butylbenzene	ND		ug/kg	6.0	0.72	1
o-Chlorotoluene	ND		ug/kg	6.0	0.37	1
p-Chlorotoluene	ND		ug/kg	6.0	0.43	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.0	1.0	1
Hexachlorobutadiene	ND		ug/kg	6.0	0.54	1
Isopropylbenzene	ND		ug/kg	1.2	0.21	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.32	1
Naphthalene	ND		ug/kg	6.0	0.92	1
Acrylonitrile	ND		ug/kg	12	0.45	1
n-Propylbenzene	ND		ug/kg	1.2	0.34	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.0	0.48	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.0	0.94	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.0	0.72	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.0	0.68	1
1,4-Dioxane	ND		ug/kg	120	21.	1
1,4-Diethylbenzene	ND		ug/kg	4.8	0.24	1
4-Ethyltoluene	ND		ug/kg	4.8	0.12	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300057**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300057-07
 Client ID: SW-9
 Sample Location: 285 NIAGARA ST

Date Collected: 01/02/13 09:45
 Date Received: 01/03/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.8	0.22	1
Ethyl ether	ND		ug/kg	6.0	0.45	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.0	1.8	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	96		70-130

Project Name: 285 NIAGARA ST**Lab Number:** L1300057**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300057-08
Client ID: SW-10
Sample Location: 285 NIAGARA ST
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/03/13 15:23
Analyst: BN
Percent Solids: 84%

Date Collected: 01/02/13 10:30
Date Received: 01/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.35	1
Chloroform	ND		ug/kg	1.8	0.39	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.2	0.30	1
Dibromochloromethane	ND		ug/kg	1.2	0.37	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.47	1
Tetrachloroethene	ND		ug/kg	1.2	0.36	1
Chlorobenzene	ND		ug/kg	1.2	0.22	1
Trichlorofluoromethane	ND		ug/kg	6.0	0.46	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.32	1
Bromodichloromethane	ND		ug/kg	1.2	0.46	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.36	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
1,1-Dichloropropene	ND		ug/kg	6.0	0.54	1
Bromoform	ND		ug/kg	4.8	0.59	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.28	1
Benzene	ND		ug/kg	1.2	0.35	1
Toluene	ND		ug/kg	1.8	0.29	1
Ethylbenzene	ND		ug/kg	1.2	0.26	1
Chloromethane	ND		ug/kg	6.0	0.93	1
Bromomethane	ND		ug/kg	2.4	0.77	1
Vinyl chloride	ND		ug/kg	2.4	0.90	1
Chloroethane	ND		ug/kg	2.4	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.47	1
Trichloroethene	ND		ug/kg	1.2	0.27	1
1,2-Dichlorobenzene	ND		ug/kg	6.0	0.43	1
1,3-Dichlorobenzene	ND		ug/kg	6.0	0.48	1
1,4-Dichlorobenzene	ND		ug/kg	6.0	0.50	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300057**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300057-08
 Client ID: SW-10
 Sample Location: 285 NIAGARA ST

Date Collected: 01/02/13 10:30
 Date Received: 01/03/13
 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	2.4	0.58	1
p/m-Xylene	ND		ug/kg	2.4	0.51	1
o-Xylene	ND		ug/kg	2.4	0.50	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.36	1
Dibromomethane	ND		ug/kg	12	0.52	1
Styrene	ND		ug/kg	2.4	0.86	1
Dichlorodifluoromethane	ND		ug/kg	12	0.46	1
Acetone	5.3	J	ug/kg	12	3.8	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	ND		ug/kg	12	4.6	1
Vinyl acetate	ND		ug/kg	12	0.89	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.97	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.46	1
2-Hexanone	ND		ug/kg	12	0.47	1
Bromochloromethane	ND		ug/kg	6.0	0.36	1
2,2-Dichloropropane	ND		ug/kg	6.0	0.95	1
1,2-Dibromoethane	ND		ug/kg	4.8	0.49	1
1,3-Dichloropropane	ND		ug/kg	6.0	0.67	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.39	1
Bromobenzene	ND		ug/kg	6.0	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.37	1
sec-Butylbenzene	ND		ug/kg	1.2	0.33	1
tert-Butylbenzene	ND		ug/kg	6.0	0.72	1
o-Chlorotoluene	ND		ug/kg	6.0	0.37	1
p-Chlorotoluene	ND		ug/kg	6.0	0.43	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.0	1.0	1
Hexachlorobutadiene	ND		ug/kg	6.0	0.54	1
Isopropylbenzene	ND		ug/kg	1.2	0.21	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.32	1
Naphthalene	ND		ug/kg	6.0	0.92	1
Acrylonitrile	ND		ug/kg	12	0.45	1
n-Propylbenzene	ND		ug/kg	1.2	0.34	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.0	0.48	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.0	0.94	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.0	0.72	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.0	0.68	1
1,4-Dioxane	ND		ug/kg	120	21.	1
1,4-Diethylbenzene	0.37	J	ug/kg	4.8	0.24	1
4-Ethyltoluene	ND		ug/kg	4.8	0.12	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300057**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300057-08
 Client ID: SW-10
 Sample Location: 285 NIAGARA ST

Date Collected: 01/02/13 10:30
 Date Received: 01/03/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.8	0.22	1
Ethyl ether	ND		ug/kg	6.0	0.45	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.0	1.8	1

Tentatively Identified Compounds

Unknown Alkane	9.6	J	ug/kg			1
Pentane, 2,3,4-trimethyl-	8.6	NJ	ug/kg			1
Unknown	5.1	J	ug/kg			1
Unknown Cycloaromatic	3.0	J	ug/kg			1
Unknown Cycloaromatic	5.8	J	ug/kg			1

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

Project Name: 285 NIAGARA ST**Lab Number:** L1300057**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300057-09
Client ID: SW-11
Sample Location: 285 NIAGARA ST
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/03/13 15:51
Analyst: BN
Percent Solids: 86%

Date Collected: 01/02/13 11:30
Date Received: 01/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.34	1
Chloroform	ND		ug/kg	1.7	0.38	1
Carbon tetrachloride	ND		ug/kg	1.2	0.24	1
1,2-Dichloropropane	ND		ug/kg	4.1	0.30	1
Dibromochloromethane	ND		ug/kg	1.2	0.36	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.46	1
Tetrachloroethene	ND		ug/kg	1.2	0.36	1
Chlorobenzene	ND		ug/kg	1.2	0.22	1
Trichlorofluoromethane	ND		ug/kg	5.8	0.46	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.31	1
Bromodichloromethane	ND		ug/kg	1.2	0.45	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.35	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.31	1
1,1-Dichloropropene	ND		ug/kg	5.8	0.53	1
Bromoform	ND		ug/kg	4.6	0.58	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.28	1
Benzene	ND		ug/kg	1.2	0.34	1
Toluene	ND		ug/kg	1.7	0.28	1
Ethylbenzene	ND		ug/kg	1.2	0.26	1
Chloromethane	ND		ug/kg	5.8	0.91	1
Bromomethane	ND		ug/kg	2.3	0.75	1
Vinyl chloride	ND		ug/kg	2.3	0.88	1
Chloroethane	ND		ug/kg	2.3	0.51	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.46	1
Trichloroethene	ND		ug/kg	1.2	0.26	1
1,2-Dichlorobenzene	ND		ug/kg	5.8	0.42	1
1,3-Dichlorobenzene	ND		ug/kg	5.8	0.46	1
1,4-Dichlorobenzene	ND		ug/kg	5.8	0.49	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300057**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300057-09

Date Collected: 01/02/13 11:30

Client ID: SW-11

Date Received: 01/03/13

Sample Location: 285 NIAGARA ST

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	0.57	1
p/m-Xylene	ND		ug/kg	2.3	0.50	1
o-Xylene	ND		ug/kg	2.3	0.48	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.35	1
Dibromomethane	ND		ug/kg	12	0.50	1
Styrene	ND		ug/kg	2.3	0.84	1
Dichlorodifluoromethane	ND		ug/kg	12	0.45	1
Acetone	ND		ug/kg	12	3.8	1
Carbon disulfide	ND		ug/kg	12	2.3	1
2-Butanone	ND		ug/kg	12	4.5	1
Vinyl acetate	ND		ug/kg	12	0.87	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.95	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.45	1
2-Hexanone	ND		ug/kg	12	0.46	1
Bromochloromethane	ND		ug/kg	5.8	0.35	1
2,2-Dichloropropane	ND		ug/kg	5.8	0.92	1
1,2-Dibromoethane	ND		ug/kg	4.6	0.48	1
1,3-Dichloropropane	ND		ug/kg	5.8	0.66	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.38	1
Bromobenzene	ND		ug/kg	5.8	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.36	1
sec-Butylbenzene	ND		ug/kg	1.2	0.32	1
tert-Butylbenzene	ND		ug/kg	5.8	0.70	1
o-Chlorotoluene	ND		ug/kg	5.8	0.36	1
p-Chlorotoluene	ND		ug/kg	5.8	0.42	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.8	0.97	1
Hexachlorobutadiene	ND		ug/kg	5.8	0.53	1
Isopropylbenzene	ND		ug/kg	1.2	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.32	1
Naphthalene	ND		ug/kg	5.8	0.89	1
Acrylonitrile	ND		ug/kg	12	0.44	1
n-Propylbenzene	ND		ug/kg	1.2	0.33	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.8	0.47	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.8	0.92	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.8	0.70	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.8	0.67	1
1,4-Dioxane	ND		ug/kg	120	20.	1
1,4-Diethylbenzene	ND		ug/kg	4.6	0.23	1
4-Ethyltoluene	ND		ug/kg	4.6	0.11	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300057**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300057-09
 Client ID: SW-11
 Sample Location: 285 NIAGARA ST

Date Collected: 01/02/13 11:30
 Date Received: 01/03/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.6	0.21	1
Ethyl ether	ND		ug/kg	5.8	0.44	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.8	1.7	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	69	Q	70-130

Project Name: 285 NIAGARA ST**Lab Number:** L1300057**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300057-10
Client ID: SW-12
Sample Location: 285 NIAGARA ST
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/03/13 16:19
Analyst: BN
Percent Solids: 83%

Date Collected: 01/02/13 15:30
Date Received: 01/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.36	1
Chloroform	ND		ug/kg	1.8	0.39	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.2	0.31	1
Dibromochloromethane	ND		ug/kg	1.2	0.37	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.47	1
Tetrachloroethene	ND		ug/kg	1.2	0.37	1
Chlorobenzene	ND		ug/kg	1.2	0.22	1
Trichlorofluoromethane	ND		ug/kg	6.0	0.47	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.32	1
Bromodichloromethane	ND		ug/kg	1.2	0.46	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.36	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
1,1-Dichloropropene	ND		ug/kg	6.0	0.55	1
Bromoform	ND		ug/kg	4.8	0.60	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.29	1
Benzene	ND		ug/kg	1.2	0.36	1
Toluene	ND		ug/kg	1.8	0.29	1
Ethylbenzene	ND		ug/kg	1.2	0.27	1
Chloromethane	ND		ug/kg	6.0	0.94	1
Bromomethane	ND		ug/kg	2.4	0.78	1
Vinyl chloride	ND		ug/kg	2.4	0.91	1
Chloroethane	ND		ug/kg	2.4	0.53	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.47	1
Trichloroethene	ND		ug/kg	1.2	0.27	1
1,2-Dichlorobenzene	ND		ug/kg	6.0	0.44	1
1,3-Dichlorobenzene	ND		ug/kg	6.0	0.48	1
1,4-Dichlorobenzene	ND		ug/kg	6.0	0.50	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300057**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300057-10

Date Collected: 01/02/13 15:30

Client ID: SW-12

Date Received: 01/03/13

Sample Location: 285 NIAGARA ST

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	2.4	0.59	1
p/m-Xylene	ND		ug/kg	2.4	0.52	1
o-Xylene	ND		ug/kg	2.4	0.50	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.36	1
Dibromomethane	ND		ug/kg	12	0.52	1
Styrene	ND		ug/kg	2.4	0.87	1
Dichlorodifluoromethane	ND		ug/kg	12	0.47	1
Acetone	ND		ug/kg	12	3.9	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	ND		ug/kg	12	4.7	1
Vinyl acetate	ND		ug/kg	12	0.90	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.98	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.47	1
2-Hexanone	ND		ug/kg	12	0.48	1
Bromochloromethane	ND		ug/kg	6.0	0.36	1
2,2-Dichloropropane	ND		ug/kg	6.0	0.96	1
1,2-Dibromoethane	ND		ug/kg	4.8	0.49	1
1,3-Dichloropropane	ND		ug/kg	6.0	0.68	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.40	1
Bromobenzene	ND		ug/kg	6.0	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.38	1
sec-Butylbenzene	ND		ug/kg	1.2	0.33	1
tert-Butylbenzene	ND		ug/kg	6.0	0.73	1
o-Chlorotoluene	ND		ug/kg	6.0	0.38	1
p-Chlorotoluene	ND		ug/kg	6.0	0.43	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.0	1.0	1
Hexachlorobutadiene	ND		ug/kg	6.0	0.55	1
Isopropylbenzene	ND		ug/kg	1.2	0.21	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.33	1
Naphthalene	ND		ug/kg	6.0	0.93	1
Acrylonitrile	ND		ug/kg	12	0.45	1
n-Propylbenzene	ND		ug/kg	1.2	0.34	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.0	0.49	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.0	0.95	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.0	0.72	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.0	0.69	1
1,4-Dioxane	ND		ug/kg	120	21.	1
1,4-Diethylbenzene	ND		ug/kg	4.8	0.24	1
4-Ethyltoluene	ND		ug/kg	4.8	0.12	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300057**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300057-10
 Client ID: SW-12
 Sample Location: 285 NIAGARA ST

Date Collected: 01/02/13 15:30
 Date Received: 01/03/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.8	0.22	1
Ethyl ether	ND		ug/kg	6.0	0.46	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.0	1.8	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	95		70-130

Project Name: 285 NIAGARA ST**Lab Number:** L1300057**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300057-11
Client ID: SW-13
Sample Location: 285 NIAGARA ST
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/03/13 16:47
Analyst: BN
Percent Solids: 84%

Date Collected: 01/02/13 15:40
Date Received: 01/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.35	1
Chloroform	ND		ug/kg	1.8	0.39	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.2	0.30	1
Dibromochloromethane	ND		ug/kg	1.2	0.37	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.47	1
Tetrachloroethene	ND		ug/kg	1.2	0.36	1
Chlorobenzene	ND		ug/kg	1.2	0.22	1
Trichlorofluoromethane	ND		ug/kg	6.0	0.46	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.32	1
Bromodichloromethane	ND		ug/kg	1.2	0.46	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.36	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
1,1-Dichloropropene	ND		ug/kg	6.0	0.54	1
Bromoform	ND		ug/kg	4.8	0.59	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.28	1
Benzene	ND		ug/kg	1.2	0.35	1
Toluene	ND		ug/kg	1.8	0.29	1
Ethylbenzene	ND		ug/kg	1.2	0.26	1
Chloromethane	ND		ug/kg	6.0	0.93	1
Bromomethane	ND		ug/kg	2.4	0.77	1
Vinyl chloride	ND		ug/kg	2.4	0.90	1
Chloroethane	ND		ug/kg	2.4	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.47	1
Trichloroethene	ND		ug/kg	1.2	0.27	1
1,2-Dichlorobenzene	ND		ug/kg	6.0	0.43	1
1,3-Dichlorobenzene	ND		ug/kg	6.0	0.48	1
1,4-Dichlorobenzene	ND		ug/kg	6.0	0.50	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300057**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300057-11
 Client ID: SW-13
 Sample Location: 285 NIAGARA ST

Date Collected: 01/02/13 15:40
 Date Received: 01/03/13
 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	2.4	0.58	1
p/m-Xylene	ND		ug/kg	2.4	0.51	1
o-Xylene	ND		ug/kg	2.4	0.50	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.36	1
Dibromomethane	ND		ug/kg	12	0.52	1
Styrene	ND		ug/kg	2.4	0.86	1
Dichlorodifluoromethane	ND		ug/kg	12	0.46	1
Acetone	6.8	J	ug/kg	12	3.8	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	ND		ug/kg	12	4.6	1
Vinyl acetate	ND		ug/kg	12	0.89	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.97	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.46	1
2-Hexanone	ND		ug/kg	12	0.47	1
Bromochloromethane	ND		ug/kg	6.0	0.36	1
2,2-Dichloropropane	ND		ug/kg	6.0	0.95	1
1,2-Dibromoethane	ND		ug/kg	4.8	0.49	1
1,3-Dichloropropane	ND		ug/kg	6.0	0.67	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.39	1
Bromobenzene	ND		ug/kg	6.0	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.37	1
sec-Butylbenzene	ND		ug/kg	1.2	0.33	1
tert-Butylbenzene	ND		ug/kg	6.0	0.72	1
o-Chlorotoluene	ND		ug/kg	6.0	0.37	1
p-Chlorotoluene	ND		ug/kg	6.0	0.43	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.0	1.0	1
Hexachlorobutadiene	ND		ug/kg	6.0	0.54	1
Isopropylbenzene	ND		ug/kg	1.2	0.21	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.32	1
Naphthalene	ND		ug/kg	6.0	0.92	1
Acrylonitrile	ND		ug/kg	12	0.45	1
n-Propylbenzene	ND		ug/kg	1.2	0.34	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.0	0.48	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.0	0.94	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.0	0.72	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.0	0.68	1
1,4-Dioxane	ND		ug/kg	120	21.	1
1,4-Diethylbenzene	ND		ug/kg	4.8	0.24	1
4-Ethyltoluene	ND		ug/kg	4.8	0.12	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300057**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300057-11
 Client ID: SW-13
 Sample Location: 285 NIAGARA ST

Date Collected: 01/02/13 15:40
 Date Received: 01/03/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.8	0.22	1
Ethyl ether	ND		ug/kg	6.0	0.45	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.0	1.8	1

Tentatively Identified Compounds

Unknown Alkane	5.6	J	ug/kg			1
Hexane, 2,5-dimethyl-	2.9	NJ	ug/kg			1
Hexane, 2,4-dimethyl-	3.0	NJ	ug/kg			1
Pentane, 2,3,4-trimethyl-	3.9	NJ	ug/kg			1
Unknown Alkane	3.0	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	95		70-130

Project Name: 285 NIAGARA ST**Lab Number:** L1300057**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300057-12
Client ID: SW-14
Sample Location: 285 NIAGARA ST
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/03/13 17:15
Analyst: BN
Percent Solids: 86%

Date Collected: 01/02/13 15:45
Date Received: 01/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.34	1
Chloroform	ND		ug/kg	1.7	0.38	1
Carbon tetrachloride	ND		ug/kg	1.2	0.24	1
1,2-Dichloropropane	ND		ug/kg	4.1	0.30	1
Dibromochloromethane	ND		ug/kg	1.2	0.36	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.46	1
Tetrachloroethene	ND		ug/kg	1.2	0.36	1
Chlorobenzene	ND		ug/kg	1.2	0.22	1
Trichlorofluoromethane	ND		ug/kg	5.8	0.46	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.31	1
Bromodichloromethane	ND		ug/kg	1.2	0.45	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.35	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.31	1
1,1-Dichloropropene	ND		ug/kg	5.8	0.53	1
Bromoform	ND		ug/kg	4.6	0.58	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.28	1
Benzene	ND		ug/kg	1.2	0.34	1
Toluene	ND		ug/kg	1.7	0.28	1
Ethylbenzene	ND		ug/kg	1.2	0.26	1
Chloromethane	ND		ug/kg	5.8	0.91	1
Bromomethane	ND		ug/kg	2.3	0.75	1
Vinyl chloride	ND		ug/kg	2.3	0.88	1
Chloroethane	ND		ug/kg	2.3	0.51	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.46	1
Trichloroethene	ND		ug/kg	1.2	0.26	1
1,2-Dichlorobenzene	ND		ug/kg	5.8	0.42	1
1,3-Dichlorobenzene	ND		ug/kg	5.8	0.46	1
1,4-Dichlorobenzene	ND		ug/kg	5.8	0.49	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300057**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300057-12
 Client ID: SW-14
 Sample Location: 285 NIAGARA ST

Date Collected: 01/02/13 15:45
 Date Received: 01/03/13
 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	0.57	1
p/m-Xylene	ND		ug/kg	2.3	0.50	1
o-Xylene	ND		ug/kg	2.3	0.48	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.35	1
Dibromomethane	ND		ug/kg	12	0.50	1
Styrene	ND		ug/kg	2.3	0.84	1
Dichlorodifluoromethane	ND		ug/kg	12	0.45	1
Acetone	ND		ug/kg	12	3.8	1
Carbon disulfide	ND		ug/kg	12	2.3	1
2-Butanone	ND		ug/kg	12	4.5	1
Vinyl acetate	ND		ug/kg	12	0.87	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.95	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.45	1
2-Hexanone	ND		ug/kg	12	0.46	1
Bromochloromethane	ND		ug/kg	5.8	0.35	1
2,2-Dichloropropane	ND		ug/kg	5.8	0.92	1
1,2-Dibromoethane	ND		ug/kg	4.6	0.48	1
1,3-Dichloropropane	ND		ug/kg	5.8	0.66	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.38	1
Bromobenzene	ND		ug/kg	5.8	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.36	1
sec-Butylbenzene	ND		ug/kg	1.2	0.32	1
tert-Butylbenzene	ND		ug/kg	5.8	0.70	1
o-Chlorotoluene	ND		ug/kg	5.8	0.36	1
p-Chlorotoluene	ND		ug/kg	5.8	0.42	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.8	0.97	1
Hexachlorobutadiene	ND		ug/kg	5.8	0.53	1
Isopropylbenzene	ND		ug/kg	1.2	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.32	1
Naphthalene	ND		ug/kg	5.8	0.89	1
Acrylonitrile	ND		ug/kg	12	0.44	1
n-Propylbenzene	ND		ug/kg	1.2	0.33	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.8	0.47	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.8	0.92	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.8	0.70	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.8	0.67	1
1,4-Dioxane	ND		ug/kg	120	20.	1
1,4-Diethylbenzene	ND		ug/kg	4.6	0.23	1
4-Ethyltoluene	ND		ug/kg	4.6	0.11	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300057**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300057-12
 Client ID: SW-14
 Sample Location: 285 NIAGARA ST

Date Collected: 01/02/13 15:45
 Date Received: 01/03/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.6	0.21	1
Ethyl ether	ND		ug/kg	5.8	0.44	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.8	1.7	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	71		70-130

Project Name: 285 NIAGARA ST**Lab Number:** L1300057**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300057-13
Client ID: BOTTOM-4
Sample Location: 285 NIAGARA ST
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/03/13 17:43
Analyst: BN
Percent Solids: 84%

Date Collected: 01/02/13 15:55
Date Received: 01/03/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.35	1
Chloroform	ND		ug/kg	1.8	0.39	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.2	0.30	1
Dibromochloromethane	ND		ug/kg	1.2	0.37	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.47	1
Tetrachloroethene	ND		ug/kg	1.2	0.36	1
Chlorobenzene	ND		ug/kg	1.2	0.22	1
Trichlorofluoromethane	ND		ug/kg	6.0	0.46	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.32	1
Bromodichloromethane	ND		ug/kg	1.2	0.46	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.36	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
1,1-Dichloropropene	ND		ug/kg	6.0	0.54	1
Bromoform	ND		ug/kg	4.8	0.59	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.28	1
Benzene	14		ug/kg	1.2	0.35	1
Toluene	180		ug/kg	1.8	0.29	1
Ethylbenzene	300	E	ug/kg	1.2	0.26	1
Chloromethane	ND		ug/kg	6.0	0.93	1
Bromomethane	ND		ug/kg	2.4	0.77	1
Vinyl chloride	ND		ug/kg	2.4	0.90	1
Chloroethane	ND		ug/kg	2.4	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.47	1
Trichloroethene	ND		ug/kg	1.2	0.27	1
1,2-Dichlorobenzene	ND		ug/kg	6.0	0.43	1
1,3-Dichlorobenzene	ND		ug/kg	6.0	0.48	1
1,4-Dichlorobenzene	ND		ug/kg	6.0	0.50	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300057**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300057-13
 Client ID: BOTTOM-4
 Sample Location: 285 NIAGARA ST

Date Collected: 01/02/13 15:55
 Date Received: 01/03/13
 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	2.4	0.58	1
p/m-Xylene	210		ug/kg	2.4	0.51	1
o-Xylene	91		ug/kg	2.4	0.50	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.36	1
Dibromomethane	ND		ug/kg	12	0.52	1
Styrene	ND		ug/kg	2.4	0.86	1
Dichlorodifluoromethane	ND		ug/kg	12	0.46	1
Acetone	ND		ug/kg	12	3.8	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	ND		ug/kg	12	4.6	1
Vinyl acetate	ND		ug/kg	12	0.89	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.97	1
1,2,3-Trichloropropane	5.7	J	ug/kg	12	0.46	1
2-Hexanone	ND		ug/kg	12	0.47	1
Bromochloromethane	ND		ug/kg	6.0	0.36	1
2,2-Dichloropropane	ND		ug/kg	6.0	0.95	1
1,2-Dibromoethane	ND		ug/kg	4.8	0.49	1
1,3-Dichloropropane	ND		ug/kg	6.0	0.67	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.39	1
Bromobenzene	ND		ug/kg	6.0	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.37	1
sec-Butylbenzene	2.6		ug/kg	1.2	0.33	1
tert-Butylbenzene	ND		ug/kg	6.0	0.72	1
o-Chlorotoluene	ND		ug/kg	6.0	0.37	1
p-Chlorotoluene	ND		ug/kg	6.0	0.43	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.0	1.0	1
Hexachlorobutadiene	ND		ug/kg	6.0	0.54	1
Isopropylbenzene	13		ug/kg	1.2	0.21	1
p-Isopropyltoluene	1.4		ug/kg	1.2	0.32	1
Naphthalene	150		ug/kg	6.0	0.92	1
Acrylonitrile	ND		ug/kg	12	0.45	1
n-Propylbenzene	60		ug/kg	1.2	0.34	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.0	0.48	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.0	0.94	1
1,3,5-Trimethylbenzene	150		ug/kg	6.0	0.72	1
1,2,4-Trimethylbenzene	290	E	ug/kg	6.0	0.68	1
1,4-Dioxane	ND		ug/kg	120	21.	1
1,4-Diethylbenzene	64		ug/kg	4.8	0.24	1
4-Ethyltoluene	120		ug/kg	4.8	0.12	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300057**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300057-13
 Client ID: BOTTOM-4
 Sample Location: 285 NIAGARA ST

Date Collected: 01/02/13 15:55
 Date Received: 01/03/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	30		ug/kg	4.8	0.22	1
Ethyl ether	ND		ug/kg	6.0	0.45	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.0	1.8	1

Tentatively Identified Compounds

Butane, 2-methyl-	130	NJ	ug/kg			1
Pentane	140	NJ	ug/kg			1
Pentane, 2-methyl-	200	NJ	ug/kg			1
Hexane	120	NJ	ug/kg			1
Cyclopentane, methyl-	180	NJ	ug/kg			1
Cyclohexane	81	NJ	ug/kg			1
Cyclohexane, methyl-	78	NJ	ug/kg			1
Unknown Benzene	130	J	ug/kg			1
Unknown Benzene	120	J	ug/kg			1
Unknown Cycloaromatic	180	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	81		70-130

Project Name: 285 NIAGARA ST**Lab Number:** L1300057**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300057-13 D
 Client ID: BOTTOM-4
 Sample Location: 285 NIAGARA ST
 Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 01/03/13 18:39
 Analyst: BN
 Percent Solids: 84%

Date Collected: 01/02/13 15:55
 Date Received: 01/03/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethylbenzene	160		ug/kg	6.0	1.3	5
1,2,4-Trimethylbenzene	260		ug/kg	30	3.4	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	88		70-130

Project Name: 285 NIAGARA ST

Lab Number: L1300057

Project Number: 0236-001-101

Report Date: 01/17/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 01/03/13 08:26
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-13 Batch: WG582609-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.30
Chloroform	ND		ug/kg	1.5	0.32
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.26
Dibromochloromethane	ND		ug/kg	1.0	0.31
2-Chloroethylvinyl ether	ND		ug/kg	20	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.39
Tetrachloroethene	ND		ug/kg	1.0	0.31
Chlorobenzene	ND		ug/kg	1.0	0.19
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.23
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.27
Bromodichloromethane	ND		ug/kg	1.0	0.38
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.30
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.50
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.24
Benzene	ND		ug/kg	1.0	0.30
Toluene	ND		ug/kg	1.5	0.24
Ethylbenzene	ND		ug/kg	1.0	0.22
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.65
Vinyl chloride	ND		ug/kg	2.0	0.75
Chloroethane	ND		ug/kg	2.0	0.44
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.39
Trichloroethene	ND		ug/kg	1.0	0.22
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.36
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.40

Project Name: 285 NIAGARA ST

Lab Number: L1300057

Project Number: 0236-001-101

Report Date: 01/17/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 01/03/13 08:26
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-13 Batch: WG582609-3					
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.42
Methyl tert butyl ether	ND		ug/kg	2.0	0.49
p/m-Xylene	ND		ug/kg	2.0	0.43
o-Xylene	ND		ug/kg	2.0	0.42
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.30
Dibromomethane	ND		ug/kg	10	0.43
Styrene	ND		ug/kg	2.0	0.73
Dichlorodifluoromethane	ND		ug/kg	10	0.39
Acetone	ND		ug/kg	10	3.2
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	3.9
Vinyl acetate	ND		ug/kg	10	0.75
4-Methyl-2-pentanone	ND		ug/kg	10	0.82
1,2,3-Trichloropropane	ND		ug/kg	10	0.39
2-Hexanone	ND		ug/kg	10	0.40
Bromochloromethane	ND		ug/kg	5.0	0.30
2,2-Dichloropropane	ND		ug/kg	5.0	0.80
1,2-Dibromoethane	ND		ug/kg	4.0	0.41
1,3-Dichloropropane	ND		ug/kg	5.0	0.56
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33
Bromobenzene	ND		ug/kg	5.0	0.22
n-Butylbenzene	ND		ug/kg	1.0	0.31
sec-Butylbenzene	ND		ug/kg	1.0	0.28
tert-Butylbenzene	ND		ug/kg	5.0	0.60
o-Chlorotoluene	ND		ug/kg	5.0	0.31
p-Chlorotoluene	ND		ug/kg	5.0	0.36
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.84
Hexachlorobutadiene	ND		ug/kg	5.0	0.46
Isopropylbenzene	ND		ug/kg	1.0	0.18
p-Isopropyltoluene	ND		ug/kg	1.0	0.27
Naphthalene	ND		ug/kg	5.0	0.77



Project Name: 285 NIAGARA ST

Lab Number: L1300057

Project Number: 0236-001-101

Report Date: 01/17/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 01/03/13 08:26

Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-13 Batch: WG582609-3					
Acrylonitrile	ND		ug/kg	10	0.38
Isopropyl Ether	ND		ug/kg	4.0	0.42
tert-Butyl Alcohol	ND		ug/kg	60	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.28
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.40
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.60
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.47
Ethyl Acetate	ND		ug/kg	20	20.
Acrolein	ND		ug/kg	25	3.0
Cyclohexane	ND		ug/kg	20	0.12
1,4-Dioxane	ND		ug/kg	100	17.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.40
1,4-Diethylbenzene	ND		ug/kg	4.0	0.20
4-Ethyltoluene	ND		ug/kg	4.0	0.10
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.18
Tetrahydrofuran	ND		ug/kg	20	1.1
Ethyl ether	ND		ug/kg	5.0	0.38
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.5
Methyl cyclohexane	ND		ug/kg	4.0	0.70
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.88
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	1.0

Tentatively Identified Compounds

No Tentatively Identified Compounds

ND

ug/kg

Project Name: 285 NIAGARA ST**Lab Number:** L1300057**Project Number:** 0236-001-101**Report Date:** 01/17/13**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 01/03/13 08:26

Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL

Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-13 Batch: WG582609-3					

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

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 285 NIAGARA ST

Project Number: 0236-001-101

Lab Number: L1300057

Report Date: 01/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-13 Batch: WG582609-1 WG582609-2								
Methylene chloride	86		86		70-130	0		30
1,1-Dichloroethane	89		86		70-130	3		30
Chloroform	89		86		70-130	3		30
Carbon tetrachloride	90		84		70-130	7		30
1,2-Dichloropropane	87		87		70-130	0		30
Dibromochloromethane	88		90		70-130	2		30
2-Chloroethylvinyl ether	87		87			0		30
1,1,2-Trichloroethane	90		91		70-130	1		30
Tetrachloroethene	94		88		70-130	7		30
Chlorobenzene	92		90		70-130	2		30
Trichlorofluoromethane	96		88		70-139	9		30
1,2-Dichloroethane	87		88		70-130	1		30
1,1,1-Trichloroethane	89		83		70-130	7		30
Bromodichloromethane	86		86		70-130	0		30
trans-1,3-Dichloropropene	89		91		70-130	2		30
cis-1,3-Dichloropropene	86		87		70-130	1		30
1,1-Dichloropropene	92		85		70-130	8		30
Bromoform	90		92		70-130	2		30
1,1,2,2-Tetrachloroethane	92		94		70-130	2		30
Benzene	89		86		70-130	3		30
Toluene	90		85		70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285 NIAGARA ST

Project Number: 0236-001-101

Lab Number: L1300057

Report Date: 01/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-13 Batch: WG582609-1 WG582609-2								
Ethylbenzene	94		89		70-130	5		30
Chloromethane	99		90		52-130	10		30
Bromomethane	86		81		57-147	6		30
Vinyl chloride	93		85		67-130	9		30
Chloroethane	92		84		50-151	9		30
1,1-Dichloroethene	92		86		65-135	7		30
trans-1,2-Dichloroethene	90		86		70-130	5		30
Trichloroethene	90		85		70-130	6		30
1,2-Dichlorobenzene	96		97		70-130	1		30
1,3-Dichlorobenzene	98		96		70-130	2		30
1,4-Dichlorobenzene	96		95		70-130	1		30
Methyl tert butyl ether	84		87		66-130	4		30
p/m-Xylene	94		91		70-130	3		30
o-Xylene	95		93		70-130	2		30
cis-1,2-Dichloroethene	88		86		70-130	2		30
Dibromomethane	85		88		70-130	3		30
Styrene	96		94		70-130	2		30
Dichlorodifluoromethane	93		83		30-146	11		30
Acetone	136		119		54-140	13		30
Carbon disulfide	94		87		59-130	8		30
2-Butanone	119		109		70-130	9		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285 NIAGARA ST

Project Number: 0236-001-101

Lab Number: L1300057

Report Date: 01/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-13 Batch: WG582609-1 WG582609-2								
Vinyl acetate	88		90		70-130	2		30
4-Methyl-2-pentanone	84		85		70-130	1		30
1,2,3-Trichloropropane	93		95		68-130	2		30
2-Hexanone	116		105		70-130	10		30
Bromochloromethane	90		90		70-130	0		30
2,2-Dichloropropane	91		85		70-130	7		30
1,2-Dibromoethane	87		89		70-130	2		30
1,3-Dichloropropane	89		91		69-130	2		30
1,1,1,2-Tetrachloroethane	91		90		70-130	1		30
Bromobenzene	94		95		70-130	1		30
n-Butylbenzene	102		95		70-130	7		30
sec-Butylbenzene	101		94		70-130	7		30
tert-Butylbenzene	100		94		70-130	6		30
o-Chlorotoluene	99		95		70-130	4		30
p-Chlorotoluene	98		94		70-130	4		30
1,2-Dibromo-3-chloropropane	88		94		68-130	7		30
Hexachlorobutadiene	98		92		67-130	6		30
Isopropylbenzene	99		93		70-130	6		30
p-Isopropyltoluene	101		95		70-130	6		30
Naphthalene	93		96		70-130	3		30
Acrylonitrile	84		89		70-130	6		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 285 NIAGARA ST

Project Number: 0236-001-101

Lab Number: L1300057

Report Date: 01/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-13 Batch: WG582609-1 WG582609-2								
Isopropyl Ether	88		88		66-130	0		30
tert-Butyl Alcohol	79		83		70-130	5		30
n-Propylbenzene	100		95		70-130	5		30
1,2,3-Trichlorobenzene	97		98		70-130	1		30
1,2,4-Trichlorobenzene	98		98		70-130	0		30
1,3,5-Trimethylbenzene	100		95		70-130	5		30
1,2,4-Trimethylbenzene	99		96		70-130	3		30
Methyl Acetate	82		86		70-130	5		30
Ethyl Acetate	82		86		70-130	5		30
Acrolein	84		86		70-130	2		30
Cyclohexane	98		88		70-130	11		30
1,4-Dioxane	87		92		65-136	6		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	96		88		70-130	9		30
1,4-Diethylbenzene	101		96		70-130	5		30
4-Ethyltoluene	100		95		70-130	5		30
1,2,4,5-Tetramethylbenzene	101		100		70-130	1		30
Tetrahydrofuran	82		86		66-130	5		30
Ethyl ether	88		89		67-130	1		30
trans-1,4-Dichloro-2-butene	91		93		70-130	2		30
Methyl cyclohexane	96		87		70-130	10		30
Ethyl-Tert-Butyl-Ether	88		88		70-130	0		30

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 285 NIAGARA ST**Lab Number:** L1300057**Project Number:** 0236-001-101**Report Date:** 01/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-13 Batch: WG582609-1 WG582609-2								
Tertiary-Amyl Methyl Ether	86		88		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		96		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	100		100		70-130
Dibromofluoromethane	94		94		70-130

SEMIVOLATILES

Project Name: 285 NIAGARA ST**Lab Number:** L1300057**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300057-05
Client ID: BOTTOM-3
Sample Location: 285 NIAGARA ST
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 01/05/13 16:36
Analyst: RC
Percent Solids: 86%

Date Collected: 01/02/13 08:45
Date Received: 01/03/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 01/04/13 00:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	41.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	56.	1
Hexachlorobenzene	ND		ug/kg	110	30.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	36.	1
2-Chloronaphthalene	ND		ug/kg	190	57.	1
1,2-Dichlorobenzene	ND		ug/kg	190	56.	1
1,3-Dichlorobenzene	ND		ug/kg	190	59.	1
1,4-Dichlorobenzene	ND		ug/kg	190	54.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	69.	1
2,4-Dinitrotoluene	ND		ug/kg	190	57.	1
2,6-Dinitrotoluene	ND		ug/kg	190	62.	1
Fluoranthene	ND		ug/kg	110	25.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	34.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	40.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	54.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	48.	1
Hexachlorobutadiene	ND		ug/kg	190	51.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	150	1
Hexachloroethane	ND		ug/kg	150	28.	1
Isophorone	ND		ug/kg	170	45.	1
Naphthalene	ND		ug/kg	190	60.	1
Nitrobenzene	ND		ug/kg	170	56.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	48.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	53.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	39.	1
Butyl benzyl phthalate	ND		ug/kg	190	53.	1
Di-n-butylphthalate	ND		ug/kg	190	32.	1
Di-n-octylphthalate	ND		ug/kg	190	51.	1
Diethyl phthalate	ND		ug/kg	190	33.	1
Dimethyl phthalate	ND		ug/kg	190	31.	1
Benzo(a)anthracene	ND		ug/kg	110	38.	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300057**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300057-05
 Client ID: BOTTOM-3
 Sample Location: 285 NIAGARA ST

Date Collected: 01/02/13 08:45
 Date Received: 01/03/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	ND		ug/kg	110	34.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	30.	1
Acenaphthylene	ND		ug/kg	150	49.	1
Anthracene	ND		ug/kg	110	26.	1
Benzo(ghi)perylene	ND		ug/kg	150	48.	1
Fluorene	ND		ug/kg	190	35.	1
Phenanthrene	ND		ug/kg	110	32.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	35.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	150	46.	1
Pyrene	ND		ug/kg	110	31.	1
Biphenyl	ND		ug/kg	430	130	1
4-Chloroaniline	ND		ug/kg	190	64.	1
2-Nitroaniline	ND		ug/kg	190	35.	1
3-Nitroaniline	ND		ug/kg	190	21.	1
4-Nitroaniline	ND		ug/kg	190	120	1
Dibenzofuran	ND		ug/kg	190	39.	1
2-Methylnaphthalene	ND		ug/kg	230	75.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	60.	1
Acetophenone	ND		ug/kg	190	61.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
P-Chloro-M-Cresol	ND		ug/kg	190	39.	1
2-Chlorophenol	ND		ug/kg	190	60.	1
2,4-Dichlorophenol	ND		ug/kg	170	55.	1
2,4-Dimethylphenol	ND		ug/kg	190	78.	1
2-Nitrophenol	ND		ug/kg	410	140	1
4-Nitrophenol	ND		ug/kg	270	81.	1
2,4-Dinitrophenol	ND		ug/kg	910	290	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	180	1
Pentachlorophenol	ND		ug/kg	150	45.	1
Phenol	ND		ug/kg	190	60.	1
2-Methylphenol	ND		ug/kg	190	47.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	82.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	44.	1
Benzoic Acid	ND		ug/kg	620	160	1
Benzyl Alcohol	ND		ug/kg	190	44.	1
Carbazole	ND		ug/kg	190	31.	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300057**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300057-05

Date Collected: 01/02/13 08:45

Client ID: BOTTOM-3

Date Received: 01/03/13

Sample Location: 285 NIAGARA ST

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Tentatively Identified Compounds

No Tentatively Identified Compounds

ND

ug/kg

1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	88		30-120
2,4,6-Tribromophenol	80		0-136
4-Terphenyl-d14	85		18-120

Project Name: 285 NIAGARA ST**Lab Number:** L1300057**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300057-06
Client ID: SW-8
Sample Location: 285 NIAGARA ST
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 01/05/13 16:59
Analyst: RC
Percent Solids: 84%

Date Collected: 01/02/13 09:30
Date Received: 01/03/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 01/04/13 00:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	42.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	57.	1
Hexachlorobenzene	ND		ug/kg	120	30.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	37.	1
2-Chloronaphthalene	ND		ug/kg	190	58.	1
1,2-Dichlorobenzene	ND		ug/kg	190	57.	1
1,3-Dichlorobenzene	ND		ug/kg	190	60.	1
1,4-Dichlorobenzene	ND		ug/kg	190	55.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	70.	1
2,4-Dinitrotoluene	ND		ug/kg	190	58.	1
2,6-Dinitrotoluene	ND		ug/kg	190	64.	1
Fluoranthene	ND		ug/kg	120	25.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	34.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	40.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	55.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	49.	1
Hexachlorobutadiene	ND		ug/kg	190	52.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	150	1
Hexachloroethane	ND		ug/kg	160	28.	1
Isophorone	ND		ug/kg	170	46.	1
Naphthalene	ND		ug/kg	190	62.	1
Nitrobenzene	ND		ug/kg	170	57.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	49.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	54.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	40.	1
Butyl benzyl phthalate	ND		ug/kg	190	54.	1
Di-n-butylphthalate	ND		ug/kg	190	33.	1
Di-n-octylphthalate	ND		ug/kg	190	52.	1
Diethyl phthalate	ND		ug/kg	190	34.	1
Dimethyl phthalate	ND		ug/kg	190	32.	1
Benzo(a)anthracene	ND		ug/kg	120	38.	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300057**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300057-06
 Client ID: SW-8
 Sample Location: 285 NIAGARA ST

Date Collected: 01/02/13 09:30
 Date Received: 01/03/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	160	46.	1
Benzo(b)fluoranthene	ND		ug/kg	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	30.	1
Chrysene	ND		ug/kg	120	30.	1
Acenaphthylene	ND		ug/kg	160	50.	1
Anthracene	ND		ug/kg	120	27.	1
Benzo(ghi)perylene	ND		ug/kg	160	49.	1
Fluorene	ND		ug/kg	190	36.	1
Phenanthrene	ND		ug/kg	120	32.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	36.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	47.	1
Pyrene	ND		ug/kg	120	32.	1
Biphenyl	ND		ug/kg	440	140	1
4-Chloroaniline	ND		ug/kg	190	65.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	22.	1
4-Nitroaniline	ND		ug/kg	190	120	1
Dibenzofuran	ND		ug/kg	190	40.	1
2-Methylnaphthalene	ND		ug/kg	230	76.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	62.	1
Acetophenone	ND		ug/kg	190	62.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
P-Chloro-M-Cresol	ND		ug/kg	190	40.	1
2-Chlorophenol	ND		ug/kg	190	61.	1
2,4-Dichlorophenol	ND		ug/kg	170	56.	1
2,4-Dimethylphenol	ND		ug/kg	190	80.	1
2-Nitrophenol	ND		ug/kg	420	140	1
4-Nitrophenol	ND		ug/kg	270	83.	1
2,4-Dinitrophenol	ND		ug/kg	930	300	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	180	1
Pentachlorophenol	ND		ug/kg	160	46.	1
Phenol	ND		ug/kg	190	61.	1
2-Methylphenol	ND		ug/kg	190	48.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	84.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	45.	1
Benzoic Acid	ND		ug/kg	630	160	1
Benzyl Alcohol	ND		ug/kg	190	45.	1
Carbazole	ND		ug/kg	190	31.	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300057**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300057-06

Date Collected: 01/02/13 09:30

Client ID: SW-8

Date Received: 01/03/13

Sample Location: 285 NIAGARA ST

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Tentatively Identified Compounds

No Tentatively Identified Compounds

ND

ug/kg

1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	64		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	62		0-136
4-Terphenyl-d14	87		18-120

Project Name: 285 NIAGARA ST**Lab Number:** L1300057**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300057-07 D
Client ID: SW-9
Sample Location: 285 NIAGARA ST
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 01/05/13 17:22
Analyst: RC
Percent Solids: 84%

Date Collected: 01/02/13 09:45
Date Received: 01/03/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 01/04/13 00:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	1600	430	5
1,2,4-Trichlorobenzene	ND		ug/kg	2000	580	5
Hexachlorobenzene	ND		ug/kg	1200	310	5
Bis(2-chloroethyl)ether	ND		ug/kg	1800	370	5
2-Chloronaphthalene	ND		ug/kg	2000	590	5
1,2-Dichlorobenzene	ND		ug/kg	2000	580	5
1,3-Dichlorobenzene	ND		ug/kg	2000	610	5
1,4-Dichlorobenzene	ND		ug/kg	2000	560	5
3,3'-Dichlorobenzidine	ND		ug/kg	2000	710	5
2,4-Dinitrotoluene	ND		ug/kg	2000	590	5
2,6-Dinitrotoluene	ND		ug/kg	2000	650	5
Fluoranthene	3200		ug/kg	1200	260	5
4-Chlorophenyl phenyl ether	ND		ug/kg	2000	350	5
4-Bromophenyl phenyl ether	ND		ug/kg	2000	410	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	2400	560	5
Bis(2-chloroethoxy)methane	ND		ug/kg	2100	500	5
Hexachlorobutadiene	ND		ug/kg	2000	520	5
Hexachlorocyclopentadiene	ND		ug/kg	5600	1600	5
Hexachloroethane	ND		ug/kg	1600	280	5
Isophorone	ND		ug/kg	1800	470	5
Naphthalene	ND		ug/kg	2000	630	5
Nitrobenzene	ND		ug/kg	1800	580	5
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1600	500	5
n-Nitrosodi-n-propylamine	ND		ug/kg	2000	550	5
Bis(2-Ethylhexyl)phthalate	680	J	ug/kg	2000	410	5
Butyl benzyl phthalate	ND		ug/kg	2000	550	5
Di-n-butylphthalate	ND		ug/kg	2000	340	5
Di-n-octylphthalate	ND		ug/kg	2000	530	5
Diethyl phthalate	ND		ug/kg	2000	340	5
Dimethyl phthalate	ND		ug/kg	2000	320	5
Benzo(a)anthracene	1500		ug/kg	1200	390	5

Project Name: 285 NIAGARA ST**Lab Number:** L1300057**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300057-07 D

Date Collected: 01/02/13 09:45

Client ID: SW-9

Date Received: 01/03/13

Sample Location: 285 NIAGARA ST

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	1300	J	ug/kg	1600	470	5
Benzo(b)fluoranthene	1600		ug/kg	1200	350	5
Benzo(k)fluoranthene	650	J	ug/kg	1200	300	5
Chrysene	1400		ug/kg	1200	310	5
Acenaphthylene	ND		ug/kg	1600	510	5
Anthracene	670	J	ug/kg	1200	270	5
Benzo(ghi)perylene	740	J	ug/kg	1600	500	5
Fluorene	360	J	ug/kg	2000	360	5
Phenanthrene	2900		ug/kg	1200	330	5
Dibenzo(a,h)anthracene	ND		ug/kg	1200	360	5
Indeno(1,2,3-cd)Pyrene	640	J	ug/kg	1600	480	5
Pyrene	2500		ug/kg	1200	320	5
Biphenyl	ND		ug/kg	4500	1400	5
4-Chloroaniline	ND		ug/kg	2000	660	5
2-Nitroaniline	ND		ug/kg	2000	360	5
3-Nitroaniline	ND		ug/kg	2000	220	5
4-Nitroaniline	ND		ug/kg	2000	1200	5
Dibenzofuran	ND		ug/kg	2000	400	5
2-Methylnaphthalene	ND		ug/kg	2400	780	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	2000	630	5
Acetophenone	ND		ug/kg	2000	630	5
2,4,6-Trichlorophenol	ND		ug/kg	1200	360	5
P-Chloro-M-Cresol	ND		ug/kg	2000	400	5
2-Chlorophenol	ND		ug/kg	2000	620	5
2,4-Dichlorophenol	ND		ug/kg	1800	570	5
2,4-Dimethylphenol	ND		ug/kg	2000	810	5
2-Nitrophenol	ND		ug/kg	4300	1400	5
4-Nitrophenol	ND		ug/kg	2800	840	5
2,4-Dinitrophenol	ND		ug/kg	9500	3000	5
4,6-Dinitro-o-cresol	ND		ug/kg	5100	1900	5
Pentachlorophenol	ND		ug/kg	1600	470	5
Phenol	ND		ug/kg	2000	620	5
2-Methylphenol	ND		ug/kg	2000	480	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	2800	850	5
2,4,5-Trichlorophenol	ND		ug/kg	2000	460	5
Benzoic Acid	ND		ug/kg	6400	1700	5
Benzyl Alcohol	ND		ug/kg	2000	460	5
Carbazole	400	J	ug/kg	2000	320	5

Project Name: 285 NIAGARA ST**Lab Number:** L1300057**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300057-07 D

Date Collected: 01/02/13 09:45

Client ID: SW-9

Date Received: 01/03/13

Sample Location: 285 NIAGARA ST

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	86		30-120
2,4,6-Tribromophenol	68		0-136
4-Terphenyl-d14	93		18-120

Project Name: 285 NIAGARA ST

Lab Number: L1300057

Project Number: 0236-001-101

Report Date: 01/17/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 01/05/13 15:27
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 01/04/13 00:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05-07 Batch: WG582655-1					
Acenaphthene	ND		ug/kg	130	36.
1,2,4-Trichlorobenzene	ND		ug/kg	170	48.
Hexachlorobenzene	ND		ug/kg	100	26.
Bis(2-chloroethyl)ether	ND		ug/kg	150	31.
2-Chloronaphthalene	ND		ug/kg	170	50.
1,2-Dichlorobenzene	ND		ug/kg	170	49.
1,3-Dichlorobenzene	ND		ug/kg	170	51.
1,4-Dichlorobenzene	ND		ug/kg	170	47.
3,3'-Dichlorobenzidine	ND		ug/kg	170	60.
2,4-Dinitrotoluene	ND		ug/kg	170	50.
2,6-Dinitrotoluene	ND		ug/kg	170	54.
Fluoranthene	ND		ug/kg	100	22.
4-Chlorophenyl phenyl ether	ND		ug/kg	170	29.
4-Bromophenyl phenyl ether	ND		ug/kg	170	34.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	47.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	42.
Hexachlorobutadiene	ND		ug/kg	170	44.
Hexachlorocyclopentadiene	ND		ug/kg	480	130
Hexachloroethane	ND		ug/kg	130	24.
Isophorone	ND		ug/kg	150	40.
Naphthalene	ND		ug/kg	170	53.
Nitrobenzene	ND		ug/kg	150	48.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	42.
n-Nitrosodi-n-propylamine	ND		ug/kg	170	46.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	34.
Butyl benzyl phthalate	ND		ug/kg	170	46.
Di-n-butylphthalate	ND		ug/kg	170	28.
Di-n-octylphthalate	ND		ug/kg	170	45.
Diethyl phthalate	ND		ug/kg	170	29.
Dimethyl phthalate	ND		ug/kg	170	27.
Benzo(a)anthracene	ND		ug/kg	100	33.



Project Name: 285 NIAGARA ST

Lab Number: L1300057

Project Number: 0236-001-101

Report Date: 01/17/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 01/05/13 15:27
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 01/04/13 00:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05-07 Batch: WG582655-1					
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	100	29.
Benzo(k)fluoranthene	ND		ug/kg	100	26.
Chrysene	ND		ug/kg	100	26.
Acenaphthylene	ND		ug/kg	130	43.
Anthracene	ND		ug/kg	100	23.
Benzo(ghi)perylene	ND		ug/kg	130	42.
Fluorene	ND		ug/kg	170	30.
Phenanthrene	ND		ug/kg	100	28.
Dibenzo(a,h)anthracene	ND		ug/kg	100	31.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	40.
Pyrene	ND		ug/kg	100	27.
Biphenyl	ND		ug/kg	380	120
4-Chloroaniline	ND		ug/kg	170	56.
2-Nitroaniline	ND		ug/kg	170	30.
3-Nitroaniline	ND		ug/kg	170	19.
4-Nitroaniline	ND		ug/kg	170	100
Dibenzofuran	ND		ug/kg	170	34.
2-Methylnaphthalene	ND		ug/kg	200	65.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	53.
Acetophenone	ND		ug/kg	170	53.
2,4,6-Trichlorophenol	ND		ug/kg	100	30.
P-Chloro-M-Cresol	ND		ug/kg	170	34.
2-Chlorophenol	ND		ug/kg	170	52.
2,4-Dichlorophenol	ND		ug/kg	150	48.
2,4-Dimethylphenol	ND		ug/kg	170	68.
2-Nitrophenol	ND		ug/kg	360	120
4-Nitrophenol	ND		ug/kg	230	71.
2,4-Dinitrophenol	ND		ug/kg	800	260
4,6-Dinitro-o-cresol	ND		ug/kg	430	160
Pentachlorophenol	ND		ug/kg	130	39.

Project Name: 285 NIAGARA ST

Lab Number: L1300057

Project Number: 0236-001-101

Report Date: 01/17/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 01/05/13 15:27
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 01/04/13 00:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05-07 Batch: WG582655-1					
Phenol	ND		ug/kg	170	52.
2-Methylphenol	ND		ug/kg	170	41.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	72.
2,4,5-Trichlorophenol	ND		ug/kg	170	39.
Benzoic Acid	ND		ug/kg	540	140
Benzyl Alcohol	ND		ug/kg	170	38.
Carbazole	ND		ug/kg	170	27.

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	86		30-120
2,4,6-Tribromophenol	84		0-136
4-Terphenyl-d14	97		18-120

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 285 NIAGARA ST

Project Number: 0236-001-101

Lab Number: L1300057

Report Date: 01/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-07 Batch: WG582655-2 WG582655-3								
Acenaphthene	86		82		31-137	5		50
1,2,4-Trichlorobenzene	86		85		38-107	1		50
Hexachlorobenzene	92		85		40-140	8		50
Bis(2-chloroethyl)ether	79		78		40-140	1		50
2-Chloronaphthalene	92		88		40-140	4		50
1,2-Dichlorobenzene	86		84		40-140	2		50
1,3-Dichlorobenzene	80		83		40-140	4		50
1,4-Dichlorobenzene	84		82		28-104	2		50
3,3'-Dichlorobenzidine	56		51		40-140	9		50
2,4-Dinitrotoluene	99	Q	94	Q	28-89	5		50
2,6-Dinitrotoluene	96		89		40-140	8		50
Fluoranthene	94		91		40-140	3		50
4-Chlorophenyl phenyl ether	94		86		40-140	9		50
4-Bromophenyl phenyl ether	95		87		40-140	9		50
Bis(2-chloroisopropyl)ether	69		65		40-140	6		50
Bis(2-chloroethoxy)methane	82		78		40-117	5		50
Hexachlorobutadiene	90		88		40-140	2		50
Hexachlorocyclopentadiene	76		71		40-140	7		50
Hexachloroethane	76		77		40-140	1		50
Isophorone	81		76		40-140	6		50
Naphthalene	91		89		40-140	2		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 285 NIAGARA ST

Project Number: 0236-001-101

Lab Number: L1300057

Report Date: 01/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-07 Batch: WG582655-2 WG582655-3								
Nitrobenzene	86		83		40-140	4		50
NitrosoDiPhenylAmine(NDPA)/DPA	92		88			4		50
n-Nitrosodi-n-propylamine	78		73		32-121	7		50
Bis(2-Ethylhexyl)phthalate	98		92		40-140	6		50
Butyl benzyl phthalate	93		86		40-140	8		50
Di-n-butylphthalate	96		92		40-140	4		50
Di-n-octylphthalate	99		95		40-140	4		50
Diethyl phthalate	94		87		40-140	8		50
Dimethyl phthalate	92		88		40-140	4		50
Benzo(a)anthracene	95		92		40-140	3		50
Benzo(a)pyrene	102		99		40-140	3		50
Benzo(b)fluoranthene	96		100		40-140	4		50
Benzo(k)fluoranthene	92		82		40-140	11		50
Chrysene	93		90		40-140	3		50
Acenaphthylene	97		90		40-140	7		50
Anthracene	100		98		40-140	2		50
Benzo(ghi)perylene	96		95		40-140	1		50
Fluorene	94		88		40-140	7		50
Phenanthrene	97		95		40-140	2		50
Dibenzo(a,h)anthracene	101		99		40-140	2		50
Indeno(1,2,3-cd)Pyrene	97		94		40-140	3		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 285 NIAGARA ST

Project Number: 0236-001-101

Lab Number: L1300057

Report Date: 01/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-07 Batch: WG582655-2 WG582655-3								
Pyrene	93		89		35-142	4		50
Biphenyl	93		92			1		50
4-Chloroaniline	45		44		40-140	2		50
2-Nitroaniline	102		93		47-134	9		50
3-Nitroaniline	58		54		26-129	7		50
4-Nitroaniline	91		84		41-125	8		50
Dibenzofuran	94		91		40-140	3		50
2-Methylnaphthalene	90		87		40-140	3		50
1,2,4,5-Tetrachlorobenzene	90		89		40-117	1		50
Acetophenone	94		88		14-144	7		50
2,4,6-Trichlorophenol	89		83		30-130	7		50
P-Chloro-M-Cresol	99		94		26-103	5		50
2-Chlorophenol	90		87		25-102	3		50
2,4-Dichlorophenol	101		92		30-130	9		50
2,4-Dimethylphenol	93		86		30-130	8		50
2-Nitrophenol	96		91		30-130	5		50
4-Nitrophenol	117	Q	110		11-114	6		50
2,4-Dinitrophenol	46		42		4-130	9		50
4,6-Dinitro-o-cresol	94		84		10-130	11		50
Pentachlorophenol	81		72		17-109	12		50
Phenol	87		81		26-90	7		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 285 NIAGARA ST

Project Number: 0236-001-101

Lab Number: L1300057

Report Date: 01/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-07 Batch: WG582655-2 WG582655-3								
2-Methylphenol	92		86		30-130.	7		50
3-Methylphenol/4-Methylphenol	96		88		30-130	9		50
2,4,5-Trichlorophenol	95		85		30-130	11		50
Benzoic Acid	14		14			0		50
Benzyl Alcohol	86		81		40-140	6		50
Carbazole	97		96		54-128	1		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	91		87		25-120
Phenol-d6	94		89		10-120
Nitrobenzene-d5	88		83		23-120
2-Fluorobiphenyl	96		92		30-120
2,4,6-Tribromophenol	105		99		0-136
4-Terphenyl-d14	101		96		18-120

INORGANICS & MISCELLANEOUS

Project Name: 285 NIAGARA ST

Project Number: 0236-001-101

Lab Number: L1300057

Report Date: 01/17/13

SAMPLE RESULTS

Lab ID: L1300057-01

Client ID: SW-6

Sample Location: 285 NIAGARA ST

Matrix: Soil

Date Collected: 12/31/12 12:50

Date Received: 01/03/13

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		%	0.10	NA	1	-	01/04/13 12:54	30,2540G	SD



Project Name: 285 NIAGARA ST**Project Number:** 0236-001-101**Lab Number:** L1300057**Report Date:** 01/17/13**SAMPLE RESULTS****Lab ID:** L1300057-02**Client ID:** SW-7**Sample Location:** 285 NIAGARA ST**Matrix:** Soil**Date Collected:** 12/31/12 13:00**Date Received:** 01/03/13**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		%	0.10	NA	1	-	01/04/13 12:54	30,2540G	SD



Project Name: 285 NIAGARA ST

Project Number: 0236-001-101

Lab Number: L1300057

Report Date: 01/17/13

SAMPLE RESULTS

Lab ID: L1300057-03

Client ID: SW-5

Sample Location: 285 NIAGARA ST

Matrix: Soil

Date Collected: 12/31/12 12:35

Date Received: 01/03/13

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		%	0.10	NA	1	-	01/04/13 12:54	30,2540G	SD



Project Name: 285 NIAGARA ST**Project Number:** 0236-001-101**Lab Number:** L1300057**Report Date:** 01/17/13**SAMPLE RESULTS****Lab ID:** L1300057-04**Client ID:** BOTTOM-2**Sample Location:** 285 NIAGARA ST**Matrix:** Soil**Date Collected:** 12/31/12 12:30**Date Received:** 01/03/13**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87		%	0.10	NA	1	-	01/04/13 12:54	30,2540G	SD



Project Name: 285 NIAGARA ST**Project Number:** 0236-001-101**Lab Number:** L1300057**Report Date:** 01/17/13**SAMPLE RESULTS****Lab ID:** L1300057-05**Client ID:** BOTTOM-3**Sample Location:** 285 NIAGARA ST**Matrix:** Soil**Date Collected:** 01/02/13 08:45**Date Received:** 01/03/13**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		%	0.10	NA	1	-	01/03/13 10:56	30,2540G	ST



Project Name: 285 NIAGARA ST**Project Number:** 0236-001-101**Lab Number:** L1300057**Report Date:** 01/17/13**SAMPLE RESULTS****Lab ID:** L1300057-06**Client ID:** SW-8**Sample Location:** 285 NIAGARA ST**Matrix:** Soil**Date Collected:** 01/02/13 09:30**Date Received:** 01/03/13**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84		%	0.10	NA	1	-	01/03/13 10:56	30,2540G	ST



Project Name: 285 NIAGARA ST**Project Number:** 0236-001-101**Lab Number:** L1300057**Report Date:** 01/17/13**SAMPLE RESULTS****Lab ID:** L1300057-07**Client ID:** SW-9**Sample Location:** 285 NIAGARA ST**Matrix:** Soil**Date Collected:** 01/02/13 09:45**Date Received:** 01/03/13**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84		%	0.10	NA	1	-	01/03/13 10:56	30,2540G	ST



Project Name: 285 NIAGARA ST

Project Number: 0236-001-101

Lab Number: L1300057

Report Date: 01/17/13

SAMPLE RESULTS

Lab ID: L1300057-08

Client ID: SW-10

Sample Location: 285 NIAGARA ST

Matrix: Soil

Date Collected: 01/02/13 10:30

Date Received: 01/03/13

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84		%	0.10	NA	1	-	01/04/13 12:54	30,2540G	SD



Project Name: 285 NIAGARA ST**Project Number:** 0236-001-101**Lab Number:** L1300057**Report Date:** 01/17/13**SAMPLE RESULTS****Lab ID:** L1300057-09**Client ID:** SW-11**Sample Location:** 285 NIAGARA ST**Matrix:** Soil**Date Collected:** 01/02/13 11:30**Date Received:** 01/03/13**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		%	0.10	NA	1	-	01/04/13 12:54	30,2540G	SD



Project Name: 285 NIAGARA ST**Project Number:** 0236-001-101**Lab Number:** L1300057**Report Date:** 01/17/13**SAMPLE RESULTS****Lab ID:** L1300057-10**Client ID:** SW-12**Sample Location:** 285 NIAGARA ST**Matrix:** Soil**Date Collected:** 01/02/13 15:30**Date Received:** 01/03/13**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	83		%	0.10	NA	1	-	01/04/13 12:54	30,2540G	SD



Project Name: 285 NIAGARA ST

Project Number: 0236-001-101

Lab Number: L1300057

Report Date: 01/17/13

SAMPLE RESULTS

Lab ID: L1300057-11

Client ID: SW-13

Sample Location: 285 NIAGARA ST

Matrix: Soil

Date Collected: 01/02/13 15:40

Date Received: 01/03/13

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84		%	0.10	NA	1	-	01/04/13 12:54	30,2540G	SD



Project Name: 285 NIAGARA ST**Project Number:** 0236-001-101**Lab Number:** L1300057**Report Date:** 01/17/13**SAMPLE RESULTS****Lab ID:** L1300057-12**Client ID:** SW-14**Sample Location:** 285 NIAGARA ST**Matrix:** Soil**Date Collected:** 01/02/13 15:45**Date Received:** 01/03/13**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		%	0.10	NA	1	-	01/04/13 12:54	30,2540G	SD



Project Name: 285 NIAGARA ST**Project Number:** 0236-001-101**Lab Number:** L1300057**Report Date:** 01/17/13**SAMPLE RESULTS****Lab ID:** L1300057-13**Client ID:** BOTTOM-4**Sample Location:** 285 NIAGARA ST**Matrix:** Soil**Date Collected:** 01/02/13 15:55**Date Received:** 01/03/13**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84		%	0.10	NA	1	-	01/04/13 12:54	30,2540G	SD



Lab Duplicate Analysis

Batch Quality Control

Project Name: 285 NIAGARA ST

Project Number: 0236-001-101

Lab Number: L1300057

Report Date: 01/17/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 05-07 QC Batch ID: WG582496-1 QC Sample: L1300051-27 Client ID: DUP Sample						
Solids, Total	91.	92	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 01-04,08-13 QC Batch ID: WG582791-1 QC Sample: L1300057-01 Client ID: SW-6						
Solids, Total	86.	86	%	0		20

Project Name: 285 NIAGARA ST

Project Number: 0236-001-101

Lab Number: L1300057

Report Date: 01/17/13

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1300057-01A	Amber 120ml unpreserved	A	N/A	5.5	Y	Absent	TS(7),NYTCL-8260(14)
L1300057-02A	Amber 120ml unpreserved	A	N/A	5.5	Y	Absent	TS(7),NYTCL-8260(14)
L1300057-03A	Amber 120ml unpreserved	A	N/A	5.5	Y	Absent	TS(7),NYTCL-8260(14)
L1300057-04A	Amber 120ml unpreserved	A	N/A	5.5	Y	Absent	TS(7),NYTCL-8260(14)
L1300057-05A	Amber 120ml unpreserved	A	N/A	5.5	Y	Absent	TS(7),NYTCL-8260(14)
L1300057-05C	Amber 120ml unpreserved split	A	N/A	5.5	Y	Absent	NYTCL-8270(14)
L1300057-06A	Amber 120ml unpreserved	A	N/A	5.5	Y	Absent	TS(7),NYTCL-8260(14)
L1300057-06C	Amber 120ml unpreserved split	A	N/A	5.5	Y	Absent	NYTCL-8270(14)
L1300057-07A	Amber 120ml unpreserved	A	N/A	5.5	Y	Absent	TS(7),NYTCL-8260(14)
L1300057-07C	Amber 120ml unpreserved split	A	N/A	5.5	Y	Absent	NYTCL-8270(14)
L1300057-08A	Amber 120ml unpreserved	A	N/A	5.5	Y	Absent	TS(7),NYTCL-8260(14)
L1300057-09A	Amber 120ml unpreserved	A	N/A	5.5	Y	Absent	TS(7),NYTCL-8260(14)
L1300057-10A	Amber 120ml unpreserved	A	N/A	5.5	Y	Absent	TS(7),NYTCL-8260(14)
L1300057-11A	Amber 120ml unpreserved	A	N/A	5.5	Y	Absent	TS(7),NYTCL-8260(14)
L1300057-12A	Amber 120ml unpreserved	A	N/A	5.5	Y	Absent	TS(7),NYTCL-8260(14)
L1300057-13A	Amber 120ml unpreserved	A	N/A	5.5	Y	Absent	TS(7),NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 285 NIAGARA ST
Project Number: 0236-001-101

Lab Number: L1300057
Report Date: 01/17/13

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

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

Terms

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 five times (5x) 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.
- 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 RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers



Project Name: 285 NIAGARA ST
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Lab Number: L1300057
Report Date: 01/17/13

Data Qualifiers

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.
- 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



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Project Number: 0236-001-101

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REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.
- 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.



Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. **NELAP Accredited Solid Waste/Soil.**

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.

Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.

Drinking Water (Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; Colilert/OT SM9223B; MF-SM9222D.)

Non-Potable Water (Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: 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-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. *Microbiology Parameters:* (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. *NELAP Accredited.*

Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. *Organic Parameters:* 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. *Organic Parameters:* SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. *Organic Parameters:* SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. *NELAP Accredited.*

Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. *Organic Parameters:* EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500CI-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. *Organic Parameters:* SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. *Organic Parameters:* SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. *NELAP Accredited.*

Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. *Organic Parameters:* EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. *Organic Parameters:* EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. *Organic Parameters:* EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO₃-F, 353.2, 4500P-E, 4500SO₄-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311, 1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. **NELAP Accredited.**

Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO₃-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A, 3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P, BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH₃-H, 4500NO₂-B, 4500NO₃-F, 4500S-D, 4500SO₃-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH₃-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. **NELAP Accredited via NJ-DEP.**

Refer to MA-DEP Certificate for Potable and Non-Potable Water.

Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commission on Environmental Quality Certificate/Lab ID: T104704476. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH₃-H, 4500NO₂B, 4500P-E, 4500 S²⁻D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. **NELAP Accredited.**

Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO₃-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.

Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO₃-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:

EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methyl naphthalenes, Total Dimethyl naphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO₂ in a soil matrix, NO₃ in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.



CHAIN OF CUSTODY

PAGE 1 OF 2

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Project Information

Project Name: 285 Niagara St
Project Location: 285 Niagara St
Project #: 0236-001-101
Project Manager: Mike Lasakowski
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ RUSH (only confirmed if pre-approved!)

Date Due: 11/2/13 3 day Time:

Client Information

Client: Turnkey
Address: 2558 Hamburg Turnpike
Buffalo NY 14218
Phone: (716) 856-0599
Fax: (716) 856-0583
Email:

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

CAT-B

Date Rec'd in Lab: 1/3/13

ALPHA Job #: L1300057

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program Criteria

CAT-B

ANALYSIS

2558 Hamburg Turnpike

Buffalo NY 14218

SAMPLE HANDLING

Filtration _____

☐ Done

☐ Not needed

☐ Lab to do

Preservation _____

☐ Lab to do

(Please specify below)

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials											Sample Specific Comments
		Date	Time													
00057. 1	SW-6	12-31-12	12 ⁵⁰	Soil	PWW	X										
2	SW-7	12-31-12	13 ⁰⁰			X										
3	SW-5	12-31-12	12 ³⁵			X										
4	Bottom-2	12-31-12	12 ³⁰			X										
5	Bottom-3	1-2-13	845			X	X									
6	SW-8		930			X	X									
7	SW-9		945			X	X									
8	SW-10		10 ³⁰			X										
9	SW-11		11 ³⁰			X										
10	SW-12		15 ³⁰			X										

Container Type

Preservative

Relinquished By:

Date/Time

Received By:

Date/Time

James Ruck
Ayle Cinghian
Robert Heuer

1-2-13/1615
1-2-13/1845
1/2/12 2130
1-2-12 0010

James Ruck
Ayle Cinghian
Robert Heuer

1-2-13/1615
1-2-13/1845
1-2-13 2170
1/3/13 0010

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.



ANALYTICAL REPORT

Lab Number:	L1300131
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Mike Lesakowski
Phone:	(716) 856-0599
Project Name:	285 NIAGARA ST
Project Number:	0236-001-101
Report Date:	01/24/13

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

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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



Project Name: 285 NIAGARA ST
Project Number: 0236-001-101

Lab Number: L1300131
Report Date: 01/24/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1300131-01	BOTTOM 5	285 NIAGARA ST	01/03/13 13:30
L1300131-02	SW-15	285 NIAGARA ST	01/03/13 15:40

Project Name: 285 NIAGARA ST
Project Number: 0236-001-101

Lab Number: L1300131
Report Date: 01/24/13

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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 free of charge for 30 days from the date the project is completed. After 30 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.

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

Project Name: 285 NIAGARA ST
Project Number: 0236-001-101

Lab Number: L1300131
Report Date: 01/24/13

Case Narrative (continued)

Report Submission

This report replaces the report issued January 10, 2013. At the client's request, the report has been amended to include the full list of Volatile Organics and TICs.

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

Sample Receipt

Any reported volatile organic concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

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:  Cynthia McQueen

Title: Technical Director/Representative

Date: 01/24/13

ORGANICS

VOLATILES

Project Name: 285 NIAGARA ST**Lab Number:** L1300131**Project Number:** 0236-001-101**Report Date:** 01/24/13**SAMPLE RESULTS**

Lab ID: L1300131-01
Client ID: BOTTOM 5
Sample Location: 285 NIAGARA ST
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/05/13 21:52
Analyst: JC
Percent Solids: 86%

Date Collected: 01/03/13 13:30
Date Received: 01/04/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.34	1
Chloroform	ND		ug/kg	1.7	0.38	1
Carbon tetrachloride	ND		ug/kg	1.2	0.24	1
1,2-Dichloropropane	ND		ug/kg	4.1	0.30	1
Dibromochloromethane	ND		ug/kg	1.2	0.36	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.46	1
Tetrachloroethene	ND		ug/kg	1.2	0.36	1
Chlorobenzene	ND		ug/kg	1.2	0.22	1
Trichlorofluoromethane	ND		ug/kg	5.8	0.46	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.31	1
Bromodichloromethane	ND		ug/kg	1.2	0.45	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.35	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.31	1
1,1-Dichloropropene	ND		ug/kg	5.8	0.53	1
Bromoform	ND		ug/kg	4.6	0.58	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.28	1
Benzene	8.8		ug/kg	1.2	0.34	1
Toluene	6.0		ug/kg	1.7	0.28	1
Ethylbenzene	190		ug/kg	1.2	0.26	1
Chloromethane	ND		ug/kg	5.8	0.91	1
Bromomethane	ND		ug/kg	2.3	0.75	1
Vinyl chloride	ND		ug/kg	2.3	0.88	1
Chloroethane	ND		ug/kg	2.3	0.51	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.46	1
Trichloroethene	ND		ug/kg	1.2	0.26	1
1,2-Dichlorobenzene	ND		ug/kg	5.8	0.42	1
1,3-Dichlorobenzene	ND		ug/kg	5.8	0.46	1
1,4-Dichlorobenzene	ND		ug/kg	5.8	0.49	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300131**Project Number:** 0236-001-101**Report Date:** 01/24/13**SAMPLE RESULTS**

Lab ID: L1300131-01
 Client ID: BOTTOM 5
 Sample Location: 285 NIAGARA ST

Date Collected: 01/03/13 13:30
 Date Received: 01/04/13
 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	0.57	1
p/m-Xylene	160		ug/kg	2.3	0.50	1
o-Xylene	2.3		ug/kg	2.3	0.48	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.35	1
Dibromomethane	ND		ug/kg	12	0.50	1
Styrene	ND		ug/kg	2.3	0.84	1
Dichlorodifluoromethane	ND		ug/kg	12	0.45	1
Acetone	ND		ug/kg	12	3.8	1
Carbon disulfide	ND		ug/kg	12	2.3	1
2-Butanone	ND		ug/kg	12	4.5	1
Vinyl acetate	ND		ug/kg	12	0.87	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.95	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.45	1
2-Hexanone	ND		ug/kg	12	0.46	1
Bromochloromethane	ND		ug/kg	5.8	0.35	1
2,2-Dichloropropane	ND		ug/kg	5.8	0.92	1
1,2-Dibromoethane	ND		ug/kg	4.6	0.48	1
1,3-Dichloropropane	ND		ug/kg	5.8	0.66	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.38	1
Bromobenzene	ND		ug/kg	5.8	0.26	1
n-Butylbenzene	1.6		ug/kg	1.2	0.36	1
sec-Butylbenzene	0.86	J	ug/kg	1.2	0.32	1
tert-Butylbenzene	ND		ug/kg	5.8	0.70	1
o-Chlorotoluene	ND		ug/kg	5.8	0.36	1
p-Chlorotoluene	ND		ug/kg	5.8	0.42	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.8	0.97	1
Hexachlorobutadiene	ND		ug/kg	5.8	0.53	1
Isopropylbenzene	8.1		ug/kg	1.2	0.20	1
p-Isopropyltoluene	0.78	J	ug/kg	1.2	0.32	1
Naphthalene	120		ug/kg	5.8	0.89	1
Acrylonitrile	ND		ug/kg	12	0.44	1
n-Propylbenzene	38		ug/kg	1.2	0.33	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.8	0.47	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.8	0.92	1
1,3,5-Trimethylbenzene	100		ug/kg	5.8	0.70	1
1,2,4-Trimethylbenzene	130		ug/kg	5.8	0.67	1
1,4-Dioxane	ND		ug/kg	120	20.	1
1,4-Diethylbenzene	20		ug/kg	4.6	0.23	1
4-Ethyltoluene	92		ug/kg	4.6	0.11	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300131**Project Number:** 0236-001-101**Report Date:** 01/24/13**SAMPLE RESULTS**

Lab ID: L1300131-01
 Client ID: BOTTOM 5
 Sample Location: 285 NIAGARA ST

Date Collected: 01/03/13 13:30
 Date Received: 01/04/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

1,2,4,5-Tetramethylbenzene	9.0		ug/kg	4.6	0.21	1
Ethyl ether	ND		ug/kg	5.8	0.44	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.8	1.7	1

Tentatively Identified Compounds

Butane, 2-methyl-	75	NJ	ug/kg			1
Pentane	81	NJ	ug/kg			1
Unknown	34	J	ug/kg			1
Pentane, 2-methyl-	160	NJ	ug/kg			1
Pentane, 3-methyl-	70	NJ	ug/kg			1
Hexane	100	NJ	ug/kg			1
Cyclopentane, methyl-	120	NJ	ug/kg			1
Unknown	26	J	ug/kg			1
Cyclohexane	64	NJ	ug/kg			1
Unknown	29	J	ug/kg			1
Unknown Cycloalkane	31	J	ug/kg			1
Cyclohexane, methyl-	73	NJ	ug/kg			1
Unknown Benzene	100	J	ug/kg			1
Unknown Benzene	37	J	ug/kg			1
Indane	110	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	84		70-130

Project Name: 285 NIAGARA ST**Lab Number:** L1300131**Project Number:** 0236-001-101**Report Date:** 01/24/13**SAMPLE RESULTS**

Lab ID: L1300131-02
Client ID: SW-15
Sample Location: 285 NIAGARA ST
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/05/13 22:20
Analyst: JC
Percent Solids: 86%

Date Collected: 01/03/13 15:40
Date Received: 01/04/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.34	1
Chloroform	ND		ug/kg	1.7	0.38	1
Carbon tetrachloride	ND		ug/kg	1.2	0.24	1
1,2-Dichloropropane	ND		ug/kg	4.1	0.30	1
Dibromochloromethane	ND		ug/kg	1.2	0.36	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.46	1
Tetrachloroethene	ND		ug/kg	1.2	0.36	1
Chlorobenzene	ND		ug/kg	1.2	0.22	1
Trichlorofluoromethane	ND		ug/kg	5.8	0.46	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.31	1
Bromodichloromethane	ND		ug/kg	1.2	0.45	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.35	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.31	1
1,1-Dichloropropene	ND		ug/kg	5.8	0.53	1
Bromoform	ND		ug/kg	4.6	0.58	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.28	1
Benzene	ND		ug/kg	1.2	0.34	1
Toluene	ND		ug/kg	1.7	0.28	1
Ethylbenzene	ND		ug/kg	1.2	0.26	1
Chloromethane	ND		ug/kg	5.8	0.91	1
Bromomethane	ND		ug/kg	2.3	0.75	1
Vinyl chloride	ND		ug/kg	2.3	0.88	1
Chloroethane	ND		ug/kg	2.3	0.51	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.46	1
Trichloroethene	ND		ug/kg	1.2	0.26	1
1,2-Dichlorobenzene	ND		ug/kg	5.8	0.42	1
1,3-Dichlorobenzene	ND		ug/kg	5.8	0.46	1
1,4-Dichlorobenzene	ND		ug/kg	5.8	0.49	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300131**Project Number:** 0236-001-101**Report Date:** 01/24/13**SAMPLE RESULTS**

Lab ID: L1300131-02
 Client ID: SW-15
 Sample Location: 285 NIAGARA ST

Date Collected: 01/03/13 15:40
 Date Received: 01/04/13
 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	0.57	1
p/m-Xylene	ND		ug/kg	2.3	0.50	1
o-Xylene	ND		ug/kg	2.3	0.48	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.35	1
Dibromomethane	ND		ug/kg	12	0.50	1
Styrene	ND		ug/kg	2.3	0.84	1
Dichlorodifluoromethane	ND		ug/kg	12	0.45	1
Acetone	ND		ug/kg	12	3.8	1
Carbon disulfide	ND		ug/kg	12	2.3	1
2-Butanone	ND		ug/kg	12	4.5	1
Vinyl acetate	ND		ug/kg	12	0.87	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.95	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.45	1
2-Hexanone	ND		ug/kg	12	0.46	1
Bromochloromethane	ND		ug/kg	5.8	0.35	1
2,2-Dichloropropane	ND		ug/kg	5.8	0.92	1
1,2-Dibromoethane	ND		ug/kg	4.6	0.48	1
1,3-Dichloropropane	ND		ug/kg	5.8	0.66	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.38	1
Bromobenzene	ND		ug/kg	5.8	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.36	1
sec-Butylbenzene	ND		ug/kg	1.2	0.32	1
tert-Butylbenzene	ND		ug/kg	5.8	0.70	1
o-Chlorotoluene	ND		ug/kg	5.8	0.36	1
p-Chlorotoluene	ND		ug/kg	5.8	0.42	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.8	0.97	1
Hexachlorobutadiene	ND		ug/kg	5.8	0.53	1
Isopropylbenzene	ND		ug/kg	1.2	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.32	1
Naphthalene	ND		ug/kg	5.8	0.89	1
Acrylonitrile	ND		ug/kg	12	0.44	1
n-Propylbenzene	ND		ug/kg	1.2	0.33	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.8	0.47	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.8	0.92	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.8	0.70	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.8	0.67	1
1,4-Dioxane	ND		ug/kg	120	20.	1
1,4-Diethylbenzene	ND		ug/kg	4.6	0.23	1
4-Ethyltoluene	ND		ug/kg	4.6	0.11	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300131**Project Number:** 0236-001-101**Report Date:** 01/24/13**SAMPLE RESULTS**

Lab ID: L1300131-02
 Client ID: SW-15
 Sample Location: 285 NIAGARA ST

Date Collected: 01/03/13 15:40
 Date Received: 01/04/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.6	0.21	1
Ethyl ether	ND		ug/kg	5.8	0.44	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.8	1.7	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	74		70-130

Project Name: 285 NIAGARA ST

Lab Number: L1300131

Project Number: 0236-001-101

Report Date: 01/24/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 01/05/13 11:39

Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG583307-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.30
Chloroform	ND		ug/kg	1.5	0.32
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.26
Dibromochloromethane	ND		ug/kg	1.0	0.31
2-Chloroethylvinyl ether	ND		ug/kg	20	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.39
Tetrachloroethene	ND		ug/kg	1.0	0.31
Chlorobenzene	ND		ug/kg	1.0	0.19
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.23
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.27
Bromodichloromethane	ND		ug/kg	1.0	0.38
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.30
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.50
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.24
Benzene	ND		ug/kg	1.0	0.30
Toluene	ND		ug/kg	1.5	0.24
Ethylbenzene	ND		ug/kg	1.0	0.22
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.65
Vinyl chloride	ND		ug/kg	2.0	0.75
Chloroethane	ND		ug/kg	2.0	0.44
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.39
Trichloroethene	ND		ug/kg	1.0	0.22
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.36
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.40



Project Name: 285 NIAGARA ST

Lab Number: L1300131

Project Number: 0236-001-101

Report Date: 01/24/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 01/05/13 11:39

Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG583307-3					
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.42
Methyl tert butyl ether	ND		ug/kg	2.0	0.49
p/m-Xylene	ND		ug/kg	2.0	0.43
o-Xylene	ND		ug/kg	2.0	0.42
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.30
Dibromomethane	ND		ug/kg	10	0.43
Styrene	ND		ug/kg	2.0	0.73
Dichlorodifluoromethane	ND		ug/kg	10	0.39
Acetone	ND		ug/kg	10	3.2
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	3.9
Vinyl acetate	ND		ug/kg	10	0.75
4-Methyl-2-pentanone	ND		ug/kg	10	0.82
1,2,3-Trichloropropane	ND		ug/kg	10	0.39
2-Hexanone	ND		ug/kg	10	0.40
Bromochloromethane	ND		ug/kg	5.0	0.30
2,2-Dichloropropane	ND		ug/kg	5.0	0.80
1,2-Dibromoethane	ND		ug/kg	4.0	0.41
1,3-Dichloropropane	ND		ug/kg	5.0	0.56
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33
Bromobenzene	ND		ug/kg	5.0	0.22
n-Butylbenzene	ND		ug/kg	1.0	0.31
sec-Butylbenzene	ND		ug/kg	1.0	0.28
tert-Butylbenzene	ND		ug/kg	5.0	0.60
o-Chlorotoluene	ND		ug/kg	5.0	0.31
p-Chlorotoluene	ND		ug/kg	5.0	0.36
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.84
Hexachlorobutadiene	ND		ug/kg	5.0	0.46
Isopropylbenzene	ND		ug/kg	1.0	0.18
p-Isopropyltoluene	ND		ug/kg	1.0	0.27
Naphthalene	ND		ug/kg	5.0	0.77

Project Name: 285 NIAGARA ST

Lab Number: L1300131

Project Number: 0236-001-101

Report Date: 01/24/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 01/05/13 11:39

Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG583307-3					
Acrylonitrile	ND		ug/kg	10	0.38
Isopropyl Ether	ND		ug/kg	4.0	0.42
tert-Butyl Alcohol	ND		ug/kg	60	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.28
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.40
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.60
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.47
Ethyl Acetate	ND		ug/kg	20	20.
Acrolein	ND		ug/kg	25	3.0
Cyclohexane	ND		ug/kg	20	0.12
1,4-Dioxane	ND		ug/kg	100	17.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.40
1,4-Diethylbenzene	ND		ug/kg	4.0	0.20
4-Ethyltoluene	ND		ug/kg	4.0	0.10
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.18
Tetrahydrofuran	ND		ug/kg	20	1.1
Ethyl ether	ND		ug/kg	5.0	0.38
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.5
Methyl cyclohexane	ND		ug/kg	4.0	0.70
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.88
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	1.0

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg

Project Name: 285 NIAGARA ST**Lab Number:** L1300131**Project Number:** 0236-001-101**Report Date:** 01/24/13**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 01/05/13 11:39

Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL

Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG583307-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	94		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285 NIAGARA ST

Project Number: 0236-001-101

Lab Number: L1300131

Report Date: 01/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG583307-1 WG583307-2								
Methylene chloride	103		104		70-130	1		30
1,1-Dichloroethane	84		88		70-130	5		30
Chloroform	84		88		70-130	5		30
Carbon tetrachloride	82		87		70-130	6		30
1,2-Dichloropropane	86		87		70-130	1		30
Dibromochloromethane	90		88		70-130	2		30
2-Chloroethylvinyl ether	86		88			2		30
1,1,2-Trichloroethane	91		91		70-130	0		30
Tetrachloroethene	88		92		70-130	4		30
Chlorobenzene	90		91		70-130	1		30
Trichlorofluoromethane	85		91		70-139	7		30
1,2-Dichloroethane	86		87		70-130	1		30
1,1,1-Trichloroethane	82		86		70-130	5		30
Bromodichloromethane	85		85		70-130	0		30
trans-1,3-Dichloropropene	90		90		70-130	0		30
cis-1,3-Dichloropropene	86		86		70-130	0		30
1,1-Dichloropropene	84		88		70-130	5		30
Bromoform	89		88		70-130	1		30
1,1,2,2-Tetrachloroethane	91		91		70-130	0		30
Benzene	84		87		70-130	4		30
Toluene	84		87		70-130	4		30

Lab Control Sample Analysis Batch Quality Control

Project Name: 285 NIAGARA ST

Project Number: 0236-001-101

Lab Number: L1300131

Report Date: 01/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG583307-1 WG583307-2								
Ethylbenzene	89		91		70-130	2		30
Chloromethane	91		98		52-130	7		30
Bromomethane	74		79		57-147	7		30
Vinyl chloride	82		88		67-130	7		30
Chloroethane	84		90		50-151	7		30
1,1-Dichloroethene	82		88		65-135	7		30
trans-1,2-Dichloroethene	83		88		70-130	6		30
Trichloroethene	84		88		70-130	5		30
1,2-Dichlorobenzene	93		94		70-130	1		30
1,3-Dichlorobenzene	92		94		70-130	2		30
1,4-Dichlorobenzene	93		94		70-130	1		30
Methyl tert butyl ether	85		85		66-130	0		30
p/m-Xylene	91		93		70-130	2		30
o-Xylene	92		94		70-130	2		30
cis-1,2-Dichloroethene	85		88		70-130	3		30
Dibromomethane	86		85		70-130	1		30
Styrene	94		95		70-130	1		30
Dichlorodifluoromethane	79		86		30-146	8		30
Acetone	119		146	Q	54-140	20		30
Carbon disulfide	84		90		59-130	7		30
2-Butanone	114		127		70-130	11		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285 NIAGARA ST

Project Number: 0236-001-101

Lab Number: L1300131

Report Date: 01/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG583307-1 WG583307-2								
Vinyl acetate	90		88		70-130	2		30
4-Methyl-2-pentanone	86		85		70-130	1		30
1,2,3-Trichloropropane	92		91		68-130	1		30
2-Hexanone	107		122		70-130	13		30
Bromochloromethane	89		90		70-130	1		30
2,2-Dichloropropane	84		88		70-130	5		30
1,2-Dibromoethane	89		88		70-130	1		30
1,3-Dichloropropane	89		89		69-130	0		30
1,1,1,2-Tetrachloroethane	89		90		70-130	1		30
Bromobenzene	91		93		70-130	2		30
n-Butylbenzene	93		98		70-130	5		30
sec-Butylbenzene	92		96		70-130	4		30
tert-Butylbenzene	92		95		70-130	3		30
o-Chlorotoluene	91		93		70-130	2		30
p-Chlorotoluene	91		94		70-130	3		30
1,2-Dibromo-3-chloropropane	90		70		68-130	25		30
Hexachlorobutadiene	89		94		67-130	5		30
Isopropylbenzene	90		94		70-130	4		30
p-Isopropyltoluene	92		96		70-130	4		30
Naphthalene	92		90		70-130	2		30
Acrylonitrile	87		86		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285 NIAGARA ST

Project Number: 0236-001-101

Lab Number: L1300131

Report Date: 01/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG583307-1 WG583307-2								
Isopropyl Ether	87		89		66-130	2		30
tert-Butyl Alcohol	84		82		70-130	2		30
n-Propylbenzene	91		95		70-130	4		30
1,2,3-Trichlorobenzene	94		95		70-130	1		30
1,2,4-Trichlorobenzene	95		96		70-130	1		30
1,3,5-Trimethylbenzene	93		95		70-130	2		30
1,2,4-Trimethylbenzene	93		96		70-130	3		30
Methyl Acetate	85		86		70-130	1		30
Ethyl Acetate	86		85		70-130	1		30
Acrolein	86		84		70-130	2		30
Cyclohexane	86		93		70-130	8		30
1,4-Dioxane	93		87		65-136	7		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	86		92		70-130	7		30
1,4-Diethylbenzene	94		97		70-130	3		30
4-Ethyltoluene	92		96		70-130	4		30
1,2,4,5-Tetramethylbenzene	95		97		70-130	2		30
Tetrahydrofuran	86		76		66-130	12		30
Ethyl ether	87		89		67-130	2		30
trans-1,4-Dichloro-2-butene	92		91		70-130	1		30
Methyl cyclohexane	86		91		70-130	6		30
Ethyl-Tert-Butyl-Ether	88		89		70-130	1		30

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 285 NIAGARA ST**Project Number:** 0236-001-101**Lab Number:** L1300131**Report Date:** 01/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG583307-1 WG583307-2								
Tertiary-Amyl Methyl Ether	86		86		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		95		70-130
Toluene-d8	101		100		70-130
4-Bromofluorobenzene	98		98		70-130
Dibromofluoromethane	93		92		70-130

INORGANICS & MISCELLANEOUS

Project Name: 285 NIAGARA ST**Project Number:** 0236-001-101**Lab Number:** L1300131**Report Date:** 01/24/13**SAMPLE RESULTS****Lab ID:** L1300131-01**Client ID:** BOTTOM 5**Sample Location:** 285 NIAGARA ST**Matrix:** Soil**Date Collected:** 01/03/13 13:30**Date Received:** 01/04/13**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		%	0.10	NA	1	-	01/08/13 16:47	30,2540G	SP



Project Name: 285 NIAGARA ST**Project Number:** 0236-001-101**Lab Number:** L1300131**Report Date:** 01/24/13**SAMPLE RESULTS****Lab ID:** L1300131-02**Client ID:** SW-15**Sample Location:** 285 NIAGARA ST**Matrix:** Soil**Date Collected:** 01/03/13 15:40**Date Received:** 01/04/13**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		%	0.10	NA	1	-	01/08/13 16:47	30,2540G	SP



Lab Duplicate Analysis
Batch Quality Control

Project Name: 285 NIAGARA ST

Project Number: 0236-001-101

Lab Number: L1300131

Report Date: 01/24/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG583422-1 QC Sample: L1300297-14 Client ID: DUP Sample						
Solids, Total	41.	51	%	22	Q	20

Project Name: 285 NIAGARA ST

Project Number: 0236-001-101

Lab Number: L1300131

Report Date: 01/24/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal**Cooler**

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1300131-01A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	TS(7),NYTCL-8260(14)
L1300131-02A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	TS(7),NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 285 NIAGARA ST
Project Number: 0236-001-101

Lab Number: L1300131
Report Date: 01/24/13

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

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

Terms

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 five times (5x) 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.
- 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 RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers



Project Name: 285 NIAGARA ST
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Data Qualifiers

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.
- 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: 285 NIAGARA ST
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REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.
- 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.



Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. **NELAP Accredited Solid Waste/Soil.**

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.

Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.

Drinking Water (Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; Colilert/OT SM9223B; MF-SM9222D.)

Non-Potable Water (Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: 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-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. *Microbiology Parameters:* (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. *Organic Parameters:* 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. *Organic Parameters:* SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. *Organic Parameters:* SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. *Organic Parameters:* EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500CI-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. *Organic Parameters:* SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. *Organic Parameters:* SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. *Organic Parameters:* EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. *Organic Parameters:* EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. *Organic Parameters:* EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500CI-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO₃-F, 353.2, 4500P-E, 4500SO₄-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311, 1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. **NELAP Accredited.**

Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO₃-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A, 3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P, BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500CI-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH₃-H, 4500NO₂-B, 4500NO₃-F, 4500S-D, 4500SO₃-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH₃-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. **NELAP Accredited via NJ-DEP.**

Refer to MA-DEP Certificate for Potable and Non-Potable Water.

Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commissoon on Environmental Quality Certificate/Lab ID: T104704476. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH₃-H, 4500NO₂B, 4500P-E, 4500 S²⁻D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. **NELAP Accredited.**

Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO₃-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CI-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.

Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO₃-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:

EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methyl naphthalenes, Total Dimethyl naphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO₂ in a soil matrix, NO₃ in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.



CHAIN OF CUSTODY

PAGE 1 OF 1

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Client Information

Client: Turnkey
Address: 2558 Hamburg Turnpike
Buffalo NY 14218
Phone: 716-856-0599
Fax: 716-856-0583
Email:

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

CAT-B

Project Information

Project Name: 285 Niagara St
Project Location: 285 Niagara St
Project #: 0236-001-101
Project Manager: Mike Lesakowski
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 1/10/13 Time:

Date Rec'd in Lab: 1/4/13

ALPHA Job #: L1300131

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program Criteria

CAT-B

ANALYSIS
Stars Vac + tic

SAMPLE HANDLING

Filtration _____
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Sample Specific Comments

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	Start											(Please specify below)	L E S
		Date	Time															
00131.1	Bottom 5	1-3-13	1330	Soil	PWW	X												1
-2	SW-15	1-3-13	1540	Soil	PWW	X												1
				</														

Container Type

Preservative

Relinquished By:

Date/Time

Received By:

Date/Time

Paul W. Wright
James R. Ruck

1-3-13
1/3-13/1620
1-3-13/1915

Jan P. Ruck
Kim B. B.

1-3-13
1/3-13/1620
1/4/13 953

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.



ANALYTICAL REPORT

Lab Number:	L1300311
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Mike Lesakowski
Phone:	(716) 856-0599
Project Name:	285 NIAGARA ST
Project Number:	0236-001-101
Report Date:	01/14/13

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

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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



Project Name: 285 NIAGARA ST
Project Number: 0236-001-101

Lab Number: L1300311
Report Date: 01/14/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1300311-01	BOTTOM 6	285 NIAGARA ST	01/07/13 09:30
L1300311-02	SW-16	285 NIAGARA ST	01/07/13 10:00
L1300311-03	SW-17	285 NIAGARA ST	01/07/13 10:30
L1300311-04	SW-19	285 NIAGARA ST	01/07/13 13:30
L1300311-05	BLIND DUP	285 NIAGARA ST	01/07/13 08:00

Project Name: 285 NIAGARA ST
Project Number: 0236-001-101

Lab Number: L1300311
Report Date: 01/14/13

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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 free of charge for 30 days from the date the project is completed. After 30 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.

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

Project Name: 285 NIAGARA ST
Project Number: 0236-001-101

Lab Number: L1300311
Report Date: 01/14/13

Case Narrative (continued)

Report Submission

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

Sample Receipt

Any reported Volatile Organics concentrations that are below 200ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Volatile Organics

The WG584076-5 MSD recovery, performed on L1300311-02, was below the acceptance criteria for Vinyl acetate (67%); however, the associated LCS/LCSD recoveries were within 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:  Elizabeth Simmons

Title: Technical Director/Representative

Date: 01/14/13

ORGANICS

VOLATILES

Project Name: 285 NIAGARA ST**Lab Number:** L1300311**Project Number:** 0236-001-101**Report Date:** 01/14/13**SAMPLE RESULTS**

Lab ID: L1300311-01
Client ID: BOTTOM 6
Sample Location: 285 NIAGARA ST
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/10/13 14:48
Analyst: PP
Percent Solids: 87%

Date Collected: 01/07/13 09:30
Date Received: 01/08/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	2.6	J	ug/kg	11	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.34	1
Chloroform	ND		ug/kg	1.7	0.37	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
1,2-Dichloropropane	ND		ug/kg	4.0	0.29	1
Dibromochloromethane	ND		ug/kg	1.1	0.35	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.45	1
Tetrachloroethene	ND		ug/kg	1.1	0.35	1
Chlorobenzene	ND		ug/kg	1.1	0.21	1
Trichlorofluoromethane	ND		ug/kg	5.7	0.45	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.31	1
Bromodichloromethane	ND		ug/kg	1.1	0.44	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.34	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.31	1
1,1-Dichloropropene	ND		ug/kg	5.7	0.52	1
Bromoform	ND		ug/kg	4.6	0.57	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.28	1
Benzene	230		ug/kg	1.1	0.34	1
Toluene	ND		ug/kg	1.7	0.28	1
Ethylbenzene	ND		ug/kg	1.1	0.25	1
Chloromethane	ND		ug/kg	5.7	0.90	1
Bromomethane	ND		ug/kg	2.3	0.74	1
Vinyl chloride	ND		ug/kg	2.3	0.86	1
Chloroethane	ND		ug/kg	2.3	0.50	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.45	1
Trichloroethene	ND		ug/kg	1.1	0.26	1
1,2-Dichlorobenzene	ND		ug/kg	5.7	0.42	1
1,3-Dichlorobenzene	ND		ug/kg	5.7	0.46	1
1,4-Dichlorobenzene	ND		ug/kg	5.7	0.48	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300311**Project Number:** 0236-001-101**Report Date:** 01/14/13**SAMPLE RESULTS**

Lab ID: L1300311-01
 Client ID: BOTTOM 6
 Sample Location: 285 NIAGARA ST

Date Collected: 01/07/13 09:30
 Date Received: 01/08/13
 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	0.56	1
p/m-Xylene	1.2	J	ug/kg	2.3	0.49	1
o-Xylene	ND		ug/kg	2.3	0.48	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.35	1
Dibromomethane	ND		ug/kg	11	0.50	1
Styrene	ND		ug/kg	2.3	0.83	1
Dichlorodifluoromethane	ND		ug/kg	11	0.45	1
Acetone	ND		ug/kg	11	3.7	1
Carbon disulfide	ND		ug/kg	11	2.3	1
2-Butanone	ND		ug/kg	11	4.4	1
Vinyl acetate	ND		ug/kg	11	0.86	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.94	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.44	1
2-Hexanone	ND		ug/kg	11	0.46	1
Bromochloromethane	ND		ug/kg	5.7	0.35	1
2,2-Dichloropropane	ND		ug/kg	5.7	0.91	1
1,2-Dibromoethane	ND		ug/kg	4.6	0.47	1
1,3-Dichloropropane	ND		ug/kg	5.7	0.65	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.38	1
Bromobenzene	ND		ug/kg	5.7	0.25	1
n-Butylbenzene	ND		ug/kg	1.1	0.36	1
sec-Butylbenzene	ND		ug/kg	1.1	0.32	1
tert-Butylbenzene	ND		ug/kg	5.7	0.69	1
o-Chlorotoluene	ND		ug/kg	5.7	0.36	1
p-Chlorotoluene	ND		ug/kg	5.7	0.41	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.7	0.96	1
Hexachlorobutadiene	ND		ug/kg	5.7	0.53	1
Isopropylbenzene	ND		ug/kg	1.1	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.31	1
Naphthalene	ND		ug/kg	5.7	0.88	1
Acrylonitrile	ND		ug/kg	11	0.43	1
n-Propylbenzene	ND		ug/kg	1.1	0.33	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.7	0.46	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.7	0.91	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.7	0.69	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.7	0.66	1
1,4-Dioxane	ND		ug/kg	110	20.	1
1,4-Diethylbenzene	ND		ug/kg	4.6	0.23	1
4-Ethyltoluene	ND		ug/kg	4.6	0.11	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300311**Project Number:** 0236-001-101**Report Date:** 01/14/13**SAMPLE RESULTS**

Lab ID: L1300311-01
 Client ID: BOTTOM 6
 Sample Location: 285 NIAGARA ST

Date Collected: 01/07/13 09:30
 Date Received: 01/08/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.6	0.21	1
Ethyl ether	ND		ug/kg	5.7	0.44	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.7	1.7	1

Tentatively Identified Compounds

Unknown	2.9	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	102		70-130

Project Name: 285 NIAGARA ST**Lab Number:** L1300311**Project Number:** 0236-001-101**Report Date:** 01/14/13**SAMPLE RESULTS**

Lab ID: L1300311-02
Client ID: SW-16
Sample Location: 285 NIAGARA ST
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/10/13 15:16
Analyst: PP
Percent Solids: 85%

Date Collected: 01/07/13 10:00
Date Received: 01/08/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	2.5	J	ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.35	1
Chloroform	ND		ug/kg	1.8	0.38	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.1	0.30	1
Dibromochloromethane	ND		ug/kg	1.2	0.36	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.46	1
Tetrachloroethene	ND		ug/kg	1.2	0.36	1
Chlorobenzene	ND		ug/kg	1.2	0.22	1
Trichlorofluoromethane	ND		ug/kg	5.9	0.46	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.32	1
Bromodichloromethane	ND		ug/kg	1.2	0.45	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.35	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.31	1
1,1-Dichloropropene	ND		ug/kg	5.9	0.54	1
Bromoform	ND		ug/kg	4.7	0.58	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.28	1
Benzene	ND		ug/kg	1.2	0.35	1
Toluene	ND		ug/kg	1.8	0.28	1
Ethylbenzene	ND		ug/kg	1.2	0.26	1
Chloromethane	ND		ug/kg	5.9	0.92	1
Bromomethane	ND		ug/kg	2.4	0.76	1
Vinyl chloride	ND		ug/kg	2.4	0.89	1
Chloroethane	ND		ug/kg	2.4	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.46	1
Trichloroethene	ND		ug/kg	1.2	0.26	1
1,2-Dichlorobenzene	ND		ug/kg	5.9	0.43	1
1,3-Dichlorobenzene	ND		ug/kg	5.9	0.47	1
1,4-Dichlorobenzene	ND		ug/kg	5.9	0.49	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300311**Project Number:** 0236-001-101**Report Date:** 01/14/13**SAMPLE RESULTS**

Lab ID: L1300311-02
 Client ID: SW-16
 Sample Location: 285 NIAGARA ST

Date Collected: 01/07/13 10:00
 Date Received: 01/08/13
 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	2.4	0.57	1
p/m-Xylene	0.82	J	ug/kg	2.4	0.50	1
o-Xylene	ND		ug/kg	2.4	0.49	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.35	1
Dibromomethane	ND		ug/kg	12	0.51	1
Styrene	ND		ug/kg	2.4	0.85	1
Dichlorodifluoromethane	ND		ug/kg	12	0.46	1
Acetone	ND		ug/kg	12	3.8	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	ND		ug/kg	12	4.6	1
Vinyl acetate	ND		ug/kg	12	0.88	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.96	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.46	1
2-Hexanone	ND		ug/kg	12	0.47	1
Bromochloromethane	ND		ug/kg	5.9	0.36	1
2,2-Dichloropropane	ND		ug/kg	5.9	0.94	1
1,2-Dibromoethane	ND		ug/kg	4.7	0.48	1
1,3-Dichloropropane	ND		ug/kg	5.9	0.66	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.39	1
Bromobenzene	ND		ug/kg	5.9	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.37	1
sec-Butylbenzene	ND		ug/kg	1.2	0.32	1
tert-Butylbenzene	ND		ug/kg	5.9	0.71	1
o-Chlorotoluene	ND		ug/kg	5.9	0.37	1
p-Chlorotoluene	ND		ug/kg	5.9	0.42	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.9	0.98	1
Hexachlorobutadiene	ND		ug/kg	5.9	0.54	1
Isopropylbenzene	ND		ug/kg	1.2	0.21	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.32	1
Naphthalene	1.4	J	ug/kg	5.9	0.90	1
Acrylonitrile	ND		ug/kg	12	0.44	1
n-Propylbenzene	ND		ug/kg	1.2	0.33	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.9	0.47	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.9	0.93	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.9	0.71	1
1,2,4-Trimethylbenzene	2.7	J	ug/kg	5.9	0.67	1
1,4-Dioxane	ND		ug/kg	120	20.	1
1,4-Diethylbenzene	0.64	J	ug/kg	4.7	0.24	1
4-Ethyltoluene	1.1	J	ug/kg	4.7	0.11	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300311**Project Number:** 0236-001-101**Report Date:** 01/14/13**SAMPLE RESULTS**

Lab ID: L1300311-02
 Client ID: SW-16
 Sample Location: 285 NIAGARA ST

Date Collected: 01/07/13 10:00
 Date Received: 01/08/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

1,2,4,5-Tetramethylbenzene	0.38	J	ug/kg	4.7	0.21	1
Ethyl ether	ND		ug/kg	5.9	0.45	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.9	1.7	1

Tentatively Identified Compounds

Unknown	2.6	J	ug/kg			1
Unknown	3.4	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	101		70-130

Project Name: 285 NIAGARA ST**Lab Number:** L1300311**Project Number:** 0236-001-101**Report Date:** 01/14/13**SAMPLE RESULTS**

Lab ID: L1300311-03
Client ID: SW-17
Sample Location: 285 NIAGARA ST
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/10/13 16:39
Analyst: PP
Percent Solids: 85%

Date Collected: 01/07/13 10:30
Date Received: 01/08/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	2.4	J	ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.35	1
Chloroform	ND		ug/kg	1.8	0.38	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.1	0.30	1
Dibromochloromethane	ND		ug/kg	1.2	0.36	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.46	1
Tetrachloroethene	ND		ug/kg	1.2	0.36	1
Chlorobenzene	ND		ug/kg	1.2	0.22	1
Trichlorofluoromethane	ND		ug/kg	5.9	0.46	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.32	1
Bromodichloromethane	ND		ug/kg	1.2	0.45	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.35	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.31	1
1,1-Dichloropropene	ND		ug/kg	5.9	0.54	1
Bromoform	ND		ug/kg	4.7	0.58	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.28	1
Benzene	ND		ug/kg	1.2	0.35	1
Toluene	ND		ug/kg	1.8	0.28	1
Ethylbenzene	ND		ug/kg	1.2	0.26	1
Chloromethane	ND		ug/kg	5.9	0.92	1
Bromomethane	ND		ug/kg	2.4	0.76	1
Vinyl chloride	ND		ug/kg	2.4	0.89	1
Chloroethane	ND		ug/kg	2.4	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.46	1
Trichloroethene	ND		ug/kg	1.2	0.26	1
1,2-Dichlorobenzene	ND		ug/kg	5.9	0.43	1
1,3-Dichlorobenzene	ND		ug/kg	5.9	0.47	1
1,4-Dichlorobenzene	ND		ug/kg	5.9	0.49	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300311**Project Number:** 0236-001-101**Report Date:** 01/14/13**SAMPLE RESULTS**

Lab ID: L1300311-03
 Client ID: SW-17
 Sample Location: 285 NIAGARA ST

Date Collected: 01/07/13 10:30
 Date Received: 01/08/13
 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	2.4	0.57	1
p/m-Xylene	ND		ug/kg	2.4	0.50	1
o-Xylene	ND		ug/kg	2.4	0.49	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.35	1
Dibromomethane	ND		ug/kg	12	0.51	1
Styrene	ND		ug/kg	2.4	0.85	1
Dichlorodifluoromethane	ND		ug/kg	12	0.46	1
Acetone	ND		ug/kg	12	3.8	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	4.6	J	ug/kg	12	4.6	1
Vinyl acetate	ND		ug/kg	12	0.88	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.96	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.46	1
2-Hexanone	ND		ug/kg	12	0.47	1
Bromochloromethane	ND		ug/kg	5.9	0.36	1
2,2-Dichloropropane	ND		ug/kg	5.9	0.94	1
1,2-Dibromoethane	ND		ug/kg	4.7	0.48	1
1,3-Dichloropropane	ND		ug/kg	5.9	0.66	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.39	1
Bromobenzene	ND		ug/kg	5.9	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.37	1
sec-Butylbenzene	ND		ug/kg	1.2	0.32	1
tert-Butylbenzene	ND		ug/kg	5.9	0.71	1
o-Chlorotoluene	ND		ug/kg	5.9	0.37	1
p-Chlorotoluene	ND		ug/kg	5.9	0.42	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.9	0.98	1
Hexachlorobutadiene	ND		ug/kg	5.9	0.54	1
Isopropylbenzene	ND		ug/kg	1.2	0.21	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.32	1
Naphthalene	ND		ug/kg	5.9	0.90	1
Acrylonitrile	ND		ug/kg	12	0.44	1
n-Propylbenzene	ND		ug/kg	1.2	0.33	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.9	0.47	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.9	0.93	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.9	0.71	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.9	0.67	1
1,4-Dioxane	ND		ug/kg	120	20.	1
1,4-Diethylbenzene	0.59	J	ug/kg	4.7	0.24	1
4-Ethyltoluene	ND		ug/kg	4.7	0.11	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300311**Project Number:** 0236-001-101**Report Date:** 01/14/13**SAMPLE RESULTS**

Lab ID: L1300311-03
 Client ID: SW-17
 Sample Location: 285 NIAGARA ST

Date Collected: 01/07/13 10:30
 Date Received: 01/08/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

1,2,4,5-Tetramethylbenzene	1.2	J	ug/kg	4.7	0.21	1
Ethyl ether	ND		ug/kg	5.9	0.45	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.9	1.7	1

Tentatively Identified Compounds

Unknown	4.8	J	ug/kg			1
Unknown Cycloaromatic	4.8	J	ug/kg			1
Unknown	3.4	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	101		70-130

Project Name: 285 NIAGARA ST**Lab Number:** L1300311**Project Number:** 0236-001-101**Report Date:** 01/14/13**SAMPLE RESULTS**

Lab ID: L1300311-04
Client ID: SW-19
Sample Location: 285 NIAGARA ST
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/10/13 17:06
Analyst: PP
Percent Solids: 86%

Date Collected: 01/07/13 13:30
Date Received: 01/08/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	2.5	J	ug/kg	12	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.34	1
Chloroform	ND		ug/kg	1.7	0.38	1
Carbon tetrachloride	ND		ug/kg	1.2	0.24	1
1,2-Dichloropropane	ND		ug/kg	4.1	0.30	1
Dibromochloromethane	ND		ug/kg	1.2	0.36	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.46	1
Tetrachloroethene	ND		ug/kg	1.2	0.36	1
Chlorobenzene	ND		ug/kg	1.2	0.22	1
Trichlorofluoromethane	ND		ug/kg	5.8	0.46	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.31	1
Bromodichloromethane	ND		ug/kg	1.2	0.45	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.35	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.31	1
1,1-Dichloropropene	ND		ug/kg	5.8	0.53	1
Bromoform	ND		ug/kg	4.6	0.58	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.28	1
Benzene	ND		ug/kg	1.2	0.34	1
Toluene	ND		ug/kg	1.7	0.28	1
Ethylbenzene	ND		ug/kg	1.2	0.26	1
Chloromethane	ND		ug/kg	5.8	0.91	1
Bromomethane	ND		ug/kg	2.3	0.75	1
Vinyl chloride	ND		ug/kg	2.3	0.88	1
Chloroethane	ND		ug/kg	2.3	0.51	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.46	1
Trichloroethene	ND		ug/kg	1.2	0.26	1
1,2-Dichlorobenzene	ND		ug/kg	5.8	0.42	1
1,3-Dichlorobenzene	ND		ug/kg	5.8	0.46	1
1,4-Dichlorobenzene	ND		ug/kg	5.8	0.49	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300311**Project Number:** 0236-001-101**Report Date:** 01/14/13**SAMPLE RESULTS**

Lab ID: L1300311-04
 Client ID: SW-19
 Sample Location: 285 NIAGARA ST

Date Collected: 01/07/13 13:30
 Date Received: 01/08/13
 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	0.57	1
p/m-Xylene	ND		ug/kg	2.3	0.50	1
o-Xylene	ND		ug/kg	2.3	0.48	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.35	1
Dibromomethane	ND		ug/kg	12	0.50	1
Styrene	ND		ug/kg	2.3	0.84	1
Dichlorodifluoromethane	ND		ug/kg	12	0.45	1
Acetone	ND		ug/kg	12	3.8	1
Carbon disulfide	ND		ug/kg	12	2.3	1
2-Butanone	ND		ug/kg	12	4.5	1
Vinyl acetate	ND		ug/kg	12	0.87	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.95	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.45	1
2-Hexanone	ND		ug/kg	12	0.46	1
Bromochloromethane	ND		ug/kg	5.8	0.35	1
2,2-Dichloropropane	ND		ug/kg	5.8	0.92	1
1,2-Dibromoethane	ND		ug/kg	4.6	0.48	1
1,3-Dichloropropane	ND		ug/kg	5.8	0.66	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.38	1
Bromobenzene	ND		ug/kg	5.8	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.36	1
sec-Butylbenzene	ND		ug/kg	1.2	0.32	1
tert-Butylbenzene	ND		ug/kg	5.8	0.70	1
o-Chlorotoluene	ND		ug/kg	5.8	0.36	1
p-Chlorotoluene	ND		ug/kg	5.8	0.42	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.8	0.97	1
Hexachlorobutadiene	ND		ug/kg	5.8	0.53	1
Isopropylbenzene	ND		ug/kg	1.2	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.32	1
Naphthalene	ND		ug/kg	5.8	0.89	1
Acrylonitrile	ND		ug/kg	12	0.44	1
n-Propylbenzene	ND		ug/kg	1.2	0.33	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.8	0.47	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.8	0.92	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.8	0.70	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.8	0.67	1
1,4-Dioxane	ND		ug/kg	120	20.	1
1,4-Diethylbenzene	ND		ug/kg	4.6	0.23	1
4-Ethyltoluene	ND		ug/kg	4.6	0.11	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300311**Project Number:** 0236-001-101**Report Date:** 01/14/13**SAMPLE RESULTS**

Lab ID: L1300311-04
 Client ID: SW-19
 Sample Location: 285 NIAGARA ST

Date Collected: 01/07/13 13:30
 Date Received: 01/08/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.6	0.21	1
Ethyl ether	ND		ug/kg	5.8	0.44	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.8	1.7	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	88		70-130

Project Name: 285 NIAGARA ST**Lab Number:** L1300311**Project Number:** 0236-001-101**Report Date:** 01/14/13**SAMPLE RESULTS**

Lab ID: L1300311-05
Client ID: BLIND DUP
Sample Location: 285 NIAGARA ST
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/10/13 17:34
Analyst: PP
Percent Solids: 85%

Date Collected: 01/07/13 08:00
Date Received: 01/08/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	2.8	J	ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.35	1
Chloroform	ND		ug/kg	1.8	0.38	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.1	0.30	1
Dibromochloromethane	ND		ug/kg	1.2	0.36	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.46	1
Tetrachloroethene	ND		ug/kg	1.2	0.36	1
Chlorobenzene	ND		ug/kg	1.2	0.22	1
Trichlorofluoromethane	ND		ug/kg	5.9	0.46	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.32	1
Bromodichloromethane	ND		ug/kg	1.2	0.45	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.35	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.31	1
1,1-Dichloropropene	ND		ug/kg	5.9	0.54	1
Bromoform	ND		ug/kg	4.7	0.58	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.28	1
Benzene	ND		ug/kg	1.2	0.35	1
Toluene	ND		ug/kg	1.8	0.28	1
Ethylbenzene	ND		ug/kg	1.2	0.26	1
Chloromethane	ND		ug/kg	5.9	0.92	1
Bromomethane	ND		ug/kg	2.4	0.76	1
Vinyl chloride	ND		ug/kg	2.4	0.89	1
Chloroethane	ND		ug/kg	2.4	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.46	1
Trichloroethene	ND		ug/kg	1.2	0.26	1
1,2-Dichlorobenzene	ND		ug/kg	5.9	0.43	1
1,3-Dichlorobenzene	ND		ug/kg	5.9	0.47	1
1,4-Dichlorobenzene	ND		ug/kg	5.9	0.49	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300311**Project Number:** 0236-001-101**Report Date:** 01/14/13**SAMPLE RESULTS**

Lab ID: L1300311-05
 Client ID: BLIND DUP
 Sample Location: 285 NIAGARA ST

Date Collected: 01/07/13 08:00
 Date Received: 01/08/13
 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	2.4	0.57	1
p/m-Xylene	ND		ug/kg	2.4	0.50	1
o-Xylene	ND		ug/kg	2.4	0.49	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.35	1
Dibromomethane	ND		ug/kg	12	0.51	1
Styrene	ND		ug/kg	2.4	0.85	1
Dichlorodifluoromethane	ND		ug/kg	12	0.46	1
Acetone	ND		ug/kg	12	3.8	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	4.7	J	ug/kg	12	4.6	1
Vinyl acetate	ND		ug/kg	12	0.88	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.96	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.46	1
2-Hexanone	ND		ug/kg	12	0.47	1
Bromochloromethane	ND		ug/kg	5.9	0.36	1
2,2-Dichloropropane	ND		ug/kg	5.9	0.94	1
1,2-Dibromoethane	ND		ug/kg	4.7	0.48	1
1,3-Dichloropropane	ND		ug/kg	5.9	0.66	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.39	1
Bromobenzene	ND		ug/kg	5.9	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.37	1
sec-Butylbenzene	ND		ug/kg	1.2	0.32	1
tert-Butylbenzene	ND		ug/kg	5.9	0.71	1
o-Chlorotoluene	ND		ug/kg	5.9	0.37	1
p-Chlorotoluene	ND		ug/kg	5.9	0.42	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.9	0.98	1
Hexachlorobutadiene	ND		ug/kg	5.9	0.54	1
Isopropylbenzene	ND		ug/kg	1.2	0.21	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.32	1
Naphthalene	ND		ug/kg	5.9	0.90	1
Acrylonitrile	ND		ug/kg	12	0.44	1
n-Propylbenzene	ND		ug/kg	1.2	0.33	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.9	0.47	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.9	0.93	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.9	0.71	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.9	0.67	1
1,4-Dioxane	ND		ug/kg	120	20.	1
1,4-Diethylbenzene	0.87	J	ug/kg	4.7	0.24	1
4-Ethyltoluene	ND		ug/kg	4.7	0.11	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300311**Project Number:** 0236-001-101**Report Date:** 01/14/13**SAMPLE RESULTS**

Lab ID: L1300311-05
 Client ID: BLIND DUP
 Sample Location: 285 NIAGARA ST

Date Collected: 01/07/13 08:00
 Date Received: 01/08/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

1,2,4,5-Tetramethylbenzene	0.85	J	ug/kg	4.7	0.21	1
Ethyl ether	ND		ug/kg	5.9	0.45	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.9	1.7	1

Tentatively Identified Compounds

Unknown	4.8	J	ug/kg			1
Unknown Cycloaromatic	6.1	J	ug/kg			1
Unknown	4.6	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	100		70-130

Project Name: 285 NIAGARA ST

Lab Number: L1300311

Project Number: 0236-001-101

Report Date: 01/14/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 01/10/13 07:56
 Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG584076-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.30
Chloroform	ND		ug/kg	1.5	0.32
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.26
Dibromochloromethane	ND		ug/kg	1.0	0.31
2-Chloroethylvinyl ether	ND		ug/kg	20	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.39
Tetrachloroethene	ND		ug/kg	1.0	0.31
Chlorobenzene	ND		ug/kg	1.0	0.19
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.23
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.27
Bromodichloromethane	ND		ug/kg	1.0	0.38
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.30
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.50
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.24
Benzene	ND		ug/kg	1.0	0.30
Toluene	ND		ug/kg	1.5	0.24
Ethylbenzene	ND		ug/kg	1.0	0.22
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.65
Vinyl chloride	ND		ug/kg	2.0	0.75
Chloroethane	ND		ug/kg	2.0	0.44
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.39
Trichloroethene	ND		ug/kg	1.0	0.22
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.36
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.40

Project Name: 285 NIAGARA ST

Lab Number: L1300311

Project Number: 0236-001-101

Report Date: 01/14/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 01/10/13 07:56
 Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG584076-3					
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.42
Methyl tert butyl ether	ND		ug/kg	2.0	0.49
p/m-Xylene	ND		ug/kg	2.0	0.43
o-Xylene	ND		ug/kg	2.0	0.42
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.30
Dibromomethane	ND		ug/kg	10	0.43
Styrene	ND		ug/kg	2.0	0.73
Dichlorodifluoromethane	ND		ug/kg	10	0.39
Acetone	ND		ug/kg	10	3.2
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	3.9
Vinyl acetate	ND		ug/kg	10	0.75
4-Methyl-2-pentanone	ND		ug/kg	10	0.82
1,2,3-Trichloropropane	ND		ug/kg	10	0.39
2-Hexanone	ND		ug/kg	10	0.40
Bromochloromethane	ND		ug/kg	5.0	0.30
2,2-Dichloropropane	ND		ug/kg	5.0	0.80
1,2-Dibromoethane	ND		ug/kg	4.0	0.41
1,3-Dichloropropane	ND		ug/kg	5.0	0.56
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33
Bromobenzene	ND		ug/kg	5.0	0.22
n-Butylbenzene	ND		ug/kg	1.0	0.31
sec-Butylbenzene	ND		ug/kg	1.0	0.28
tert-Butylbenzene	ND		ug/kg	5.0	0.60
o-Chlorotoluene	ND		ug/kg	5.0	0.31
p-Chlorotoluene	ND		ug/kg	5.0	0.36
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.84
Hexachlorobutadiene	ND		ug/kg	5.0	0.46
Isopropylbenzene	ND		ug/kg	1.0	0.18
p-Isopropyltoluene	ND		ug/kg	1.0	0.27
Naphthalene	ND		ug/kg	5.0	0.77

Project Name: 285 NIAGARA ST

Lab Number: L1300311

Project Number: 0236-001-101

Report Date: 01/14/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 01/10/13 07:56
 Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG584076-3					
Acrylonitrile	ND		ug/kg	10	0.38
Isopropyl Ether	ND		ug/kg	4.0	0.42
tert-Butyl Alcohol	ND		ug/kg	60	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.28
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.40
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.60
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.47
Ethyl Acetate	ND		ug/kg	20	20.
Acrolein	ND		ug/kg	25	3.0
Cyclohexane	ND		ug/kg	20	0.12
1,4-Dioxane	ND		ug/kg	100	17.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.40
1,4-Diethylbenzene	ND		ug/kg	4.0	0.20
4-Ethyltoluene	ND		ug/kg	4.0	0.10
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.18
Tetrahydrofuran	ND		ug/kg	20	1.1
Ethyl ether	ND		ug/kg	5.0	0.38
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.5
Methyl cyclohexane	ND		ug/kg	4.0	0.70
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.88
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	1.0

Tentatively Identified Compounds

Unknown	2.9	J	ug/kg
Unknown	4.6	J	ug/kg

Project Name: 285 NIAGARA ST**Lab Number:** L1300311**Project Number:** 0236-001-101**Report Date:** 01/14/13**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 01/10/13 07:56

Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL

Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG584076-3					

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

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 285 NIAGARA ST

Project Number: 0236-001-101

Lab Number: L1300311

Report Date: 01/14/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG584076-1 WG584076-2								
Methylene chloride	91		84		70-130	8		30
1,1-Dichloroethane	106		97		70-130	9		30
Chloroform	104		98		70-130	6		30
Carbon tetrachloride	112		102		70-130	9		30
1,2-Dichloropropane	104		97		70-130	7		30
Dibromochloromethane	100		97		70-130	3		30
2-Chloroethylvinyl ether	101		96			5		30
1,1,2-Trichloroethane	104		99		70-130	5		30
Tetrachloroethene	112		103		70-130	8		30
Chlorobenzene	106		99		70-130	7		30
Trichlorofluoromethane	119		106		70-139	12		30
1,2-Dichloroethane	99		95		70-130	4		30
1,1,1-Trichloroethane	110		100		70-130	10		30
Bromodichloromethane	102		94		70-130	8		30
trans-1,3-Dichloropropene	103		98		70-130	5		30
cis-1,3-Dichloropropene	103		97		70-130	6		30
1,1-Dichloropropene	114		103		70-130	10		30
Bromoform	100		96		70-130	4		30
1,1,2,2-Tetrachloroethane	106		100		70-130	6		30
Benzene	106		98		70-130	8		30
Toluene	107		100		70-130	7		30

Lab Control Sample Analysis Batch Quality Control

Project Name: 285 NIAGARA ST

Project Number: 0236-001-101

Lab Number: L1300311

Report Date: 01/14/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG584076-1 WG584076-2								
Ethylbenzene	108		101		70-130	7		30
Chloromethane	104		94		52-130	10		30
Bromomethane	115		101		57-147	13		30
Vinyl chloride	113		100		67-130	12		30
Chloroethane	114		101		50-151	12		30
1,1-Dichloroethene	112		102		65-135	9		30
trans-1,2-Dichloroethene	109		100		70-130	9		30
Trichloroethene	107		98		70-130	9		30
1,2-Dichlorobenzene	108		101		70-130	7		30
1,3-Dichlorobenzene	110		102		70-130	8		30
1,4-Dichlorobenzene	110		102		70-130	8		30
Methyl tert butyl ether	100		95		66-130	5		30
p/m-Xylene	109		102		70-130	7		30
o-Xylene	108		101		70-130	7		30
cis-1,2-Dichloroethene	104		97		70-130	7		30
Dibromomethane	102		96		70-130	6		30
Styrene	108		103		70-130	5		30
Dichlorodifluoromethane	119		107		30-146	11		30
Acetone	105		99		54-140	6		30
Carbon disulfide	105		95		59-130	10		30
2-Butanone	97		93		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285 NIAGARA ST

Project Number: 0236-001-101

Lab Number: L1300311

Report Date: 01/14/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG584076-1 WG584076-2								
Vinyl acetate	101		97		70-130	4		30
4-Methyl-2-pentanone	100		98		70-130	2		30
1,2,3-Trichloropropane	105		99		68-130	6		30
2-Hexanone	99		96		70-130	3		30
Bromochloromethane	104		100		70-130	4		30
2,2-Dichloropropane	112		100		70-130	11		30
1,2-Dibromoethane	102		99		70-130	3		30
1,3-Dichloropropane	101		98		69-130	3		30
1,1,1,2-Tetrachloroethane	102		98		70-130	4		30
Bromobenzene	108		99		70-130	9		30
n-Butylbenzene	116		106		70-130	9		30
sec-Butylbenzene	115		104		70-130	10		30
tert-Butylbenzene	112		102		70-130	9		30
o-Chlorotoluene	107		101		70-130	6		30
p-Chlorotoluene	111		101		70-130	9		30
1,2-Dibromo-3-chloropropane	98		92		68-130	6		30
Hexachlorobutadiene	116		105		67-130	10		30
Isopropylbenzene	111		103		70-130	7		30
p-Isopropyltoluene	114		104		70-130	9		30
Naphthalene	104		99		70-130	5		30
Acrylonitrile	102		98		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285 NIAGARA ST

Project Number: 0236-001-101

Lab Number: L1300311

Report Date: 01/14/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG584076-1 WG584076-2								
Isopropyl Ether	102		96		66-130	6		30
tert-Butyl Alcohol	101		98		70-130	3		30
n-Propylbenzene	114		103		70-130	10		30
1,2,3-Trichlorobenzene	106		100		70-130	6		30
1,2,4-Trichlorobenzene	111		104		70-130	7		30
1,3,5-Trimethylbenzene	111		102		70-130	8		30
1,2,4-Trimethylbenzene	110		101		70-130	9		30
Methyl Acetate	98		95		70-130	3		30
Ethyl Acetate	104		100		70-130	4		30
Acrolein	99		93		70-130	6		30
Cyclohexane	120		109		70-130	10		30
1,4-Dioxane	120		118		65-136	2		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	122		109		70-130	11		30
1,4-Diethylbenzene	112		104		70-130	7		30
4-Ethyltoluene	111		102		70-130	8		30
1,2,4,5-Tetramethylbenzene	108		101		70-130	7		30
Tetrahydrofuran	101		97		66-130	4		30
Ethyl ether	100		98		67-130	2		30
trans-1,4-Dichloro-2-butene	107		101		70-130	6		30
Methyl cyclohexane	125		112		70-130	11		30
Ethyl-Tert-Butyl-Ether	101		95		70-130	6		30

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 285 NIAGARA ST**Project Number:** 0236-001-101**Lab Number:** L1300311**Report Date:** 01/14/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG584076-1 WG584076-2								
Tertiary-Amyl Methyl Ether	101		96		70-130	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		98		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	102		100		70-130
Dibromofluoromethane	101		101		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: 285 NIAGARA ST

Project Number: 0236-001-101

Lab Number: L1300311

Report Date: 01/14/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG584076-4 WG584076-5 QC Sample: L1300311-02 Client ID: SW-16

Methylene chloride	2.5J	23.5	21	89		21	90		70-130	0		30
1,1-Dichloroethane	ND	23.5	22	94		22	93		70-130	1		30
Chloroform	ND	23.5	22	94		22	92		70-130	1		30
Carbon tetrachloride	ND	23.5	23	96		22	94		70-130	2		30
1,2-Dichloropropane	ND	23.5	22	94		22	92		70-130	2		30
Dibromochloromethane	ND	23.5	22	92		22	92		70-130	0		30
1,1,2-Trichloroethane	ND	23.5	22	95		22	94		70-130	0		30
Tetrachloroethene	ND	23.5	23	97		22	94		70-130	3		30
Chlorobenzene	ND	23.5	22	94		22	93		70-130	1		30
Trichlorofluoromethane	ND	23.5	23	99		23	96		70-139	3		30
1,2-Dichloroethane	ND	23.5	22	93		22	92		70-130	1		30
1,1,1-Trichloroethane	ND	23.5	23	96		22	93		70-130	4		30
Bromodichloromethane	ND	23.5	22	92		22	92		70-130	0		30
trans-1,3-Dichloropropene	ND	23.5	22	92		22	91		70-130	0		30
cis-1,3-Dichloropropene	ND	23.5	22	91		22	91		70-130	0		30
1,1-Dichloropropene	ND	23.5	23	96		22	94		70-130	3		30
Bromoform	ND	23.5	22	94		21	91		70-130	3		30
1,1,2,2-Tetrachloroethane	ND	23.5	21	90		21	90		70-130	0		30
Benzene	ND	23.5	22	93		22	92		70-130	0		30
Toluene	ND	23.5	22	94		22	92		70-130	3		30
Ethylbenzene	ND	23.5	23	96		22	94		70-130	2		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 285 NIAGARA ST

Project Number: 0236-001-101

Lab Number: L1300311

Report Date: 01/14/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG584076-4 WG584076-5 QC Sample: L1300311-02 Client ID: SW-16

Chloromethane	ND	23.5	22	93		21	90		52-130	2		30
Bromomethane	ND	23.5	25	104		22	94		57-147	11		30
Vinyl chloride	ND	23.5	22	95		22	92		67-130	3		30
Chloroethane	ND	23.5	23	97		23	96		50-151	1		30
1,1-Dichloroethene	ND	23.5	23	96		22	94		65-135	2		30
trans-1,2-Dichloroethene	ND	23.5	23	96		22	93		70-130	4		30
Trichloroethene	ND	23.5	24	101		23	97		70-130	3		30
1,2-Dichlorobenzene	ND	23.5	22	94		22	92		70-130	2		30
1,3-Dichlorobenzene	ND	23.5	22	95		22	93		70-130	2		30
1,4-Dichlorobenzene	ND	23.5	22	95		22	92		70-130	3		30
Methyl tert butyl ether	ND	23.5	22	92		21	90		66-130	1		30
p/m-Xylene	0.82J	47	46	98		45	96		70-130	2		30
o-Xylene	ND	47	45	96		45	95		70-130	2		30
cis-1,2-Dichloroethene	ND	23.5	22	93		21	91		70-130	2		30
Dibromomethane	ND	23.5	22	94		22	91		70-130	3		30
Styrene	ND	47	45	96		44	94		70-130	2		30
Dichlorodifluoromethane	ND	23.5	23	98		22	94		30-146	4		30
Acetone	ND	23.5	26	109		25	106		54-140	2		30
Carbon disulfide	ND	23.5	21	90		21	88		59-130	3		30
2-Butanone	ND	23.5	22	92		21	90		70-130	2		30
Vinyl acetate	ND	23.5	17	72		16	67	Q	70-130	8		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 285 NIAGARA ST

Project Number: 0236-001-101

Lab Number: L1300311

Report Date: 01/14/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG584076-4 WG584076-5 QC Sample: L1300311-02 Client ID: SW-16

4-Methyl-2-pentanone	ND	23.5	21	90		21	90		70-130	0		30
1,2,3-Trichloropropane	ND	23.5	23	96		22	94		68-130	2		30
2-Hexanone	ND	23.5	22	92		21	89		70-130	3		30
Bromochloromethane	ND	23.5	22	94		22	95		70-130	1		30
2,2-Dichloropropane	ND	23.5	23	96		22	94		70-130	2		30
1,2-Dibromoethane	ND	23.5	22	93		22	93		70-130	0		30
1,3-Dichloropropane	ND	23.5	22	93		22	92		69-130	0		30
1,1,1,2-Tetrachloroethane	ND	23.5	22	93		22	92		70-130	1		30
Bromobenzene	ND	23.5	22	94		22	94		70-130	1		30
n-Butylbenzene	ND	23.5	23	98		22	92		70-130	6		30
sec-Butylbenzene	ND	23.5	23	96		22	93		70-130	4		30
tert-Butylbenzene	ND	23.5	23	97		22	94		70-130	3		30
o-Chlorotoluene	ND	23.5	22	94		21	91		70-130	3		30
p-Chlorotoluene	ND	23.5	23	96		22	93		70-130	3		30
1,2-Dibromo-3-chloropropane	ND	23.5	21	88		21	89		68-130	1		30
Hexachlorobutadiene	ND	23.5	21	91		20	85		67-130	7		30
Isopropylbenzene	ND	23.5	23	96		22	94		70-130	3		30
p-Isopropyltoluene	ND	23.5	23	98		22	94		70-130	4		30
Naphthalene	1.4J	23.5	23	96		22	94		70-130	2		30
Acrylonitrile	ND	23.5	22	94		22	93		70-130	0		30
n-Propylbenzene	ND	23.5	23	98		22	94		70-130	4		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 285 NIAGARA ST

Project Number: 0236-001-101

Lab Number: L1300311

Report Date: 01/14/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG584076-4 WG584076-5 QC Sample: L1300311-02 Client ID: SW-16

1,2,3-Trichlorobenzene	ND	23.5	21	88		20	84		70-130	5		30
1,2,4-Trichlorobenzene	ND	23.5	22	93		21	88		70-130	5		30
1,3,5-Trimethylbenzene	ND	23.5	24	100		23	97		70-130	3		30
1,2,4-Trimethylbenzene	2.7J	23.5	26	108		25	107		70-130	1		30
1,4-Dioxane	ND	1180	1300	107		1200	102		65-136	5		30
1,4-Diethylbenzene	0.64J	23.5	23	99		22	95		70-130	4		30
4-Ethyltoluene	1.1J	23.5	24	101		23	99		70-130	3		30
1,2,4,5-Tetramethylbenzene	0.38J	23.5	22	94		22	92		70-130	2		30
Ethyl ether	ND	23.5	22	93		22	92		67-130	1		30
trans-1,4-Dichloro-2-butene	ND	23.5	23	99		22	94		70-130	5		30

Surrogate	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
1,2-Dichloroethane-d4	102		101		70-130
4-Bromofluorobenzene	101		100		70-130
Dibromofluoromethane	101		101		70-130
Toluene-d8	100		100		70-130

INORGANICS & MISCELLANEOUS

Project Name: 285 NIAGARA ST

Project Number: 0236-001-101

Lab Number: L1300311

Report Date: 01/14/13

SAMPLE RESULTS

Lab ID: L1300311-01

Client ID: BOTTOM 6

Sample Location: 285 NIAGARA ST

Matrix: Soil

Date Collected: 01/07/13 09:30

Date Received: 01/08/13

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87		%	0.10	NA	1	-	01/11/13 11:18	30,2540G	JO



Project Name: 285 NIAGARA ST**Project Number:** 0236-001-101**Lab Number:** L1300311**Report Date:** 01/14/13**SAMPLE RESULTS****Lab ID:** L1300311-02**Client ID:** SW-16**Sample Location:** 285 NIAGARA ST**Matrix:** Soil**Date Collected:** 01/07/13 10:00**Date Received:** 01/08/13**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		%	0.10	NA	1	-	01/11/13 11:18	30,2540G	JO



Project Name: 285 NIAGARA ST

Project Number: 0236-001-101

Lab Number: L1300311

Report Date: 01/14/13

SAMPLE RESULTS

Lab ID: L1300311-03

Client ID: SW-17

Sample Location: 285 NIAGARA ST

Matrix: Soil

Date Collected: 01/07/13 10:30

Date Received: 01/08/13

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		%	0.10	NA	1	-	01/11/13 11:18	30,2540G	JO



Project Name: 285 NIAGARA ST

Project Number: 0236-001-101

Lab Number: L1300311

Report Date: 01/14/13

SAMPLE RESULTS

Lab ID: L1300311-04

Client ID: SW-19

Sample Location: 285 NIAGARA ST

Matrix: Soil

Date Collected: 01/07/13 13:30

Date Received: 01/08/13

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		%	0.10	NA	1	-	01/11/13 11:18	30,2540G	JO



Project Name: 285 NIAGARA ST**Project Number:** 0236-001-101**Lab Number:** L1300311**Report Date:** 01/14/13**SAMPLE RESULTS****Lab ID:** L1300311-05**Client ID:** BLIND DUP**Sample Location:** 285 NIAGARA ST**Matrix:** Soil**Date Collected:** 01/07/13 08:00**Date Received:** 01/08/13**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		%	0.10	NA	1	-	01/11/13 11:18	30,2540G	JO



Project Name: 285 NIAGARA ST
Project Number: 0236-001-101

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L1300311
Report Date: 01/14/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG584164-1 QC Sample: L1300311-02 Client ID: SW-16						
Solids, Total	85.	86	%	1		20

Project Name: 285 NIAGARA ST

Project Number: 0236-001-101

Lab Number: L1300311

Report Date: 01/14/13

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1300311-01A	Vial Large unpreserved	A	N/A	5.3	Y	Absent	TS(7),NYTCL-8260(14)
L1300311-02A	Vial Large unpreserved	A	N/A	5.3	Y	Absent	TS(7),NYTCL-8260(14)
L1300311-02B	Vial Large unpreserved	A	N/A	5.3	Y	Absent	TS(7),NYTCL-8260(14)
L1300311-02C	Vial Large unpreserved	A	N/A	5.3	Y	Absent	TS(7),NYTCL-8260(14)
L1300311-03A	Vial Large unpreserved	A	N/A	5.3	Y	Absent	TS(7),NYTCL-8260(14)
L1300311-04A	Vial Large unpreserved	A	N/A	5.3	Y	Absent	TS(7),NYTCL-8260(14)
L1300311-05A	Vial Large unpreserved	A	N/A	5.3	Y	Absent	TS(7),NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 285 NIAGARA ST
Project Number: 0236-001-101

Lab Number: L1300311
Report Date: 01/14/13

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

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

Terms

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 five times (5x) 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.
- 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 RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers



Project Name: 285 NIAGARA ST
Project Number: 0236-001-101

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Data Qualifiers

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.
- 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: 285 NIAGARA ST
Project Number: 0236-001-101

Lab Number: L1300311
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REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.
- 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.



Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. **NELAP Accredited Solid Waste/Soil.**

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.

Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.

Drinking Water (Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; Colilert/OT SM9223B; MF-SM9222D.)

Non-Potable Water (Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: 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-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. *Microbiology Parameters:* (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. *Organic Parameters:* 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. *Organic Parameters:* SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. *Organic Parameters:* SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. *Organic Parameters:* EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500CI-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. *Organic Parameters:* SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. *Organic Parameters:* SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. *Organic Parameters:* EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. *Organic Parameters:* EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. *Organic Parameters:* EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO₃-F, 353.2, 4500P-E, 4500SO₄-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311, 1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. **NELAP Accredited.**

Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO₃-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A, 3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P, BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH₃-H, 4500NO₂-B, 4500NO₃-F, 4500S-D, 4500SO₃-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH₃-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. **NELAP Accredited via NJ-DEP.**

Refer to MA-DEP Certificate for Potable and Non-Potable Water.

Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commission on Environmental Quality Certificate/Lab ID: T104704476. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH₃-H, 4500NO₂B, 4500P-E, 4500 S²⁻D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. **NELAP Accredited.**

Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO₃-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.

Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO₃-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:

EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methyl naphthalenes, Total Dimethyl naphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO₂ in a soil matrix, NO₃ in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.



ANALYTICAL REPORT

Lab Number:	L1300394
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Mike Lesakowski
Phone:	(716) 856-0599
Project Name:	285 NIAGARA ST.
Project Number:	0236-001-101
Report Date:	01/14/13

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Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LA000065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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



Project Name: 285 NIAGARA ST.
Project Number: 0236-001-101

Lab Number: L1300394
Report Date: 01/14/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1300394-01	SW-18	285 NIAGARA ST.	01/08/13 10:20
L1300394-02	BOTTOM 7	285 NIAGARA ST.	01/08/13 11:30
L1300394-03	SW-20	285 NIAGARA ST.	01/08/13 14:00
L1300394-04	SW-21	285 NIAGARA ST.	01/08/13 14:30

Project Name: 285 NIAGARA ST.
Project Number: 0236-001-101

Lab Number: L1300394
Report Date: 01/14/13

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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 free of charge for 30 days from the date the project is completed. After 30 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.

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

Project Name: 285 NIAGARA ST.
Project Number: 0236-001-101

Lab Number: L1300394
Report Date: 01/14/13

Case Narrative (continued)

Report Submission

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

Sample Receipt

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

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

Authorized Signature:  Kelly Stenstrom

Title: Technical Director/Representative

Date: 01/14/13

ORGANICS

VOLATILES

Project Name: 285 NIAGARA ST.**Lab Number:** L1300394**Project Number:** 0236-001-101**Report Date:** 01/14/13**SAMPLE RESULTS**

Lab ID: L1300394-01
Client ID: SW-18
Sample Location: 285 NIAGARA ST.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/11/13 14:16
Analyst: BN
Percent Solids: 85%

Date Collected: 01/08/13 10:20
Date Received: 01/09/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.35	1
Chloroform	ND		ug/kg	1.8	0.38	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.1	0.30	1
Dibromochloromethane	ND		ug/kg	1.2	0.36	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.46	1
Tetrachloroethene	ND		ug/kg	1.2	0.36	1
Chlorobenzene	ND		ug/kg	1.2	0.22	1
Trichlorofluoromethane	ND		ug/kg	5.9	0.46	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.32	1
Bromodichloromethane	ND		ug/kg	1.2	0.45	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.35	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.31	1
1,1-Dichloropropene	ND		ug/kg	5.9	0.54	1
Bromoform	ND		ug/kg	4.7	0.58	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.28	1
Benzene	ND		ug/kg	1.2	0.35	1
Toluene	ND		ug/kg	1.8	0.28	1
Ethylbenzene	ND		ug/kg	1.2	0.26	1
Chloromethane	ND		ug/kg	5.9	0.92	1
Bromomethane	ND		ug/kg	2.4	0.76	1
Vinyl chloride	ND		ug/kg	2.4	0.89	1
Chloroethane	ND		ug/kg	2.4	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.46	1
Trichloroethene	ND		ug/kg	1.2	0.26	1
1,2-Dichlorobenzene	ND		ug/kg	5.9	0.43	1
1,3-Dichlorobenzene	ND		ug/kg	5.9	0.47	1
1,4-Dichlorobenzene	ND		ug/kg	5.9	0.49	1

Project Name: 285 NIAGARA ST.**Lab Number:** L1300394**Project Number:** 0236-001-101**Report Date:** 01/14/13**SAMPLE RESULTS**

Lab ID: L1300394-01

Date Collected: 01/08/13 10:20

Client ID: SW-18

Date Received: 01/09/13

Sample Location: 285 NIAGARA ST.

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	2.4	0.57	1
p/m-Xylene	ND		ug/kg	2.4	0.50	1
o-Xylene	ND		ug/kg	2.4	0.49	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.35	1
Dibromomethane	ND		ug/kg	12	0.51	1
Styrene	ND		ug/kg	2.4	0.85	1
Dichlorodifluoromethane	ND		ug/kg	12	0.46	1
Acetone	15		ug/kg	12	3.8	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	ND		ug/kg	12	4.6	1
Vinyl acetate	ND		ug/kg	12	0.88	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.96	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.46	1
2-Hexanone	ND		ug/kg	12	0.47	1
Bromochloromethane	ND		ug/kg	5.9	0.36	1
2,2-Dichloropropane	ND		ug/kg	5.9	0.94	1
1,2-Dibromoethane	ND		ug/kg	4.7	0.48	1
1,3-Dichloropropane	ND		ug/kg	5.9	0.66	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.39	1
Bromobenzene	ND		ug/kg	5.9	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.37	1
sec-Butylbenzene	ND		ug/kg	1.2	0.32	1
tert-Butylbenzene	ND		ug/kg	5.9	0.71	1
o-Chlorotoluene	ND		ug/kg	5.9	0.37	1
p-Chlorotoluene	ND		ug/kg	5.9	0.42	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.9	0.98	1
Hexachlorobutadiene	ND		ug/kg	5.9	0.54	1
Isopropylbenzene	ND		ug/kg	1.2	0.21	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.32	1
Naphthalene	ND		ug/kg	5.9	0.90	1
Acrylonitrile	ND		ug/kg	12	0.44	1
n-Propylbenzene	ND		ug/kg	1.2	0.33	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.9	0.47	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.9	0.93	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.9	0.71	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.9	0.67	1
1,4-Dioxane	ND		ug/kg	120	20.	1
1,4-Diethylbenzene	ND		ug/kg	4.7	0.24	1
4-Ethyltoluene	ND		ug/kg	4.7	0.11	1

Project Name: 285 NIAGARA ST.**Lab Number:** L1300394**Project Number:** 0236-001-101**Report Date:** 01/14/13**SAMPLE RESULTS**

Lab ID: L1300394-01

Date Collected: 01/08/13 10:20

Client ID: SW-18

Date Received: 01/09/13

Sample Location: 285 NIAGARA ST.

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

1,2,4,5-Tetramethylbenzene	0.36	J	ug/kg	4.7	0.21	1
Ethyl ether	ND		ug/kg	5.9	0.45	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.9	1.7	1

Tentatively Identified Compounds

Unknown	4.3	J	ug/kg			1
Unknown Cycloaromatic	7.4	J	ug/kg			1
Unknown Cycloaromatic	2.5	J	ug/kg			1
Unknown	2.6	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	98		70-130

Project Name: 285 NIAGARA ST.**Lab Number:** L1300394**Project Number:** 0236-001-101**Report Date:** 01/14/13**SAMPLE RESULTS**

Lab ID: L1300394-02
Client ID: BOTTOM 7
Sample Location: 285 NIAGARA ST.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/11/13 14:44
Analyst: BN
Percent Solids: 85%

Date Collected: 01/08/13 11:30
Date Received: 01/09/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.35	1
Chloroform	ND		ug/kg	1.8	0.38	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.1	0.30	1
Dibromochloromethane	ND		ug/kg	1.2	0.36	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.46	1
Tetrachloroethene	ND		ug/kg	1.2	0.36	1
Chlorobenzene	ND		ug/kg	1.2	0.22	1
Trichlorofluoromethane	ND		ug/kg	5.9	0.46	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.32	1
Bromodichloromethane	ND		ug/kg	1.2	0.45	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.35	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.31	1
1,1-Dichloropropene	ND		ug/kg	5.9	0.54	1
Bromoform	ND		ug/kg	4.7	0.58	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.28	1
Benzene	16		ug/kg	1.2	0.35	1
Toluene	ND		ug/kg	1.8	0.28	1
Ethylbenzene	ND		ug/kg	1.2	0.26	1
Chloromethane	ND		ug/kg	5.9	0.92	1
Bromomethane	ND		ug/kg	2.4	0.76	1
Vinyl chloride	ND		ug/kg	2.4	0.89	1
Chloroethane	ND		ug/kg	2.4	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.46	1
Trichloroethene	ND		ug/kg	1.2	0.26	1
1,2-Dichlorobenzene	ND		ug/kg	5.9	0.43	1
1,3-Dichlorobenzene	ND		ug/kg	5.9	0.47	1
1,4-Dichlorobenzene	ND		ug/kg	5.9	0.49	1

Project Name: 285 NIAGARA ST.**Lab Number:** L1300394**Project Number:** 0236-001-101**Report Date:** 01/14/13**SAMPLE RESULTS**

Lab ID: L1300394-02
 Client ID: BOTTOM 7
 Sample Location: 285 NIAGARA ST.

Date Collected: 01/08/13 11:30
 Date Received: 01/09/13
 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	2.4	0.57	1
p/m-Xylene	ND		ug/kg	2.4	0.50	1
o-Xylene	ND		ug/kg	2.4	0.49	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.35	1
Dibromomethane	ND		ug/kg	12	0.51	1
Styrene	ND		ug/kg	2.4	0.85	1
Dichlorodifluoromethane	ND		ug/kg	12	0.46	1
Acetone	5.4	J	ug/kg	12	3.8	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	ND		ug/kg	12	4.6	1
Vinyl acetate	ND		ug/kg	12	0.88	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.96	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.46	1
2-Hexanone	ND		ug/kg	12	0.47	1
Bromochloromethane	ND		ug/kg	5.9	0.36	1
2,2-Dichloropropane	ND		ug/kg	5.9	0.94	1
1,2-Dibromoethane	ND		ug/kg	4.7	0.48	1
1,3-Dichloropropane	ND		ug/kg	5.9	0.66	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.39	1
Bromobenzene	ND		ug/kg	5.9	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.37	1
sec-Butylbenzene	ND		ug/kg	1.2	0.32	1
tert-Butylbenzene	ND		ug/kg	5.9	0.71	1
o-Chlorotoluene	ND		ug/kg	5.9	0.37	1
p-Chlorotoluene	ND		ug/kg	5.9	0.42	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.9	0.98	1
Hexachlorobutadiene	ND		ug/kg	5.9	0.54	1
Isopropylbenzene	ND		ug/kg	1.2	0.21	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.32	1
Naphthalene	ND		ug/kg	5.9	0.90	1
Acrylonitrile	ND		ug/kg	12	0.44	1
n-Propylbenzene	ND		ug/kg	1.2	0.33	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.9	0.47	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.9	0.93	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.9	0.71	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.9	0.67	1
1,4-Dioxane	ND		ug/kg	120	20.	1
1,4-Diethylbenzene	ND		ug/kg	4.7	0.24	1
4-Ethyltoluene	ND		ug/kg	4.7	0.11	1

Project Name: 285 NIAGARA ST.**Lab Number:** L1300394**Project Number:** 0236-001-101**Report Date:** 01/14/13**SAMPLE RESULTS**

Lab ID: L1300394-02
 Client ID: BOTTOM 7
 Sample Location: 285 NIAGARA ST.

Date Collected: 01/08/13 11:30
 Date Received: 01/09/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.7	0.21	1
Ethyl ether	ND		ug/kg	5.9	0.45	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.9	1.7	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	96		70-130

Project Name: 285 NIAGARA ST.**Lab Number:** L1300394**Project Number:** 0236-001-101**Report Date:** 01/14/13**SAMPLE RESULTS**

Lab ID: L1300394-03
Client ID: SW-20
Sample Location: 285 NIAGARA ST.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/11/13 15:12
Analyst: BN
Percent Solids: 85%

Date Collected: 01/08/13 14:00
Date Received: 01/09/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.35	1
Chloroform	ND		ug/kg	1.8	0.38	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.1	0.30	1
Dibromochloromethane	ND		ug/kg	1.2	0.36	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.46	1
Tetrachloroethene	ND		ug/kg	1.2	0.36	1
Chlorobenzene	ND		ug/kg	1.2	0.22	1
Trichlorofluoromethane	ND		ug/kg	5.9	0.46	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.32	1
Bromodichloromethane	ND		ug/kg	1.2	0.45	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.35	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.31	1
1,1-Dichloropropene	ND		ug/kg	5.9	0.54	1
Bromoform	ND		ug/kg	4.7	0.58	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.28	1
Benzene	ND		ug/kg	1.2	0.35	1
Toluene	ND		ug/kg	1.8	0.28	1
Ethylbenzene	ND		ug/kg	1.2	0.26	1
Chloromethane	ND		ug/kg	5.9	0.92	1
Bromomethane	ND		ug/kg	2.4	0.76	1
Vinyl chloride	ND		ug/kg	2.4	0.89	1
Chloroethane	ND		ug/kg	2.4	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.46	1
Trichloroethene	ND		ug/kg	1.2	0.26	1
1,2-Dichlorobenzene	ND		ug/kg	5.9	0.43	1
1,3-Dichlorobenzene	ND		ug/kg	5.9	0.47	1
1,4-Dichlorobenzene	ND		ug/kg	5.9	0.49	1

Project Name: 285 NIAGARA ST.**Lab Number:** L1300394**Project Number:** 0236-001-101**Report Date:** 01/14/13**SAMPLE RESULTS**

Lab ID: L1300394-03

Date Collected: 01/08/13 14:00

Client ID: SW-20

Date Received: 01/09/13

Sample Location: 285 NIAGARA ST.

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	2.4	0.57	1
p/m-Xylene	ND		ug/kg	2.4	0.50	1
o-Xylene	ND		ug/kg	2.4	0.49	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.35	1
Dibromomethane	ND		ug/kg	12	0.51	1
Styrene	ND		ug/kg	2.4	0.85	1
Dichlorodifluoromethane	ND		ug/kg	12	0.46	1
Acetone	ND		ug/kg	12	3.8	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	ND		ug/kg	12	4.6	1
Vinyl acetate	ND		ug/kg	12	0.88	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.96	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.46	1
2-Hexanone	ND		ug/kg	12	0.47	1
Bromochloromethane	ND		ug/kg	5.9	0.36	1
2,2-Dichloropropane	ND		ug/kg	5.9	0.94	1
1,2-Dibromoethane	ND		ug/kg	4.7	0.48	1
1,3-Dichloropropane	ND		ug/kg	5.9	0.66	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.39	1
Bromobenzene	ND		ug/kg	5.9	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.37	1
sec-Butylbenzene	ND		ug/kg	1.2	0.32	1
tert-Butylbenzene	ND		ug/kg	5.9	0.71	1
o-Chlorotoluene	ND		ug/kg	5.9	0.37	1
p-Chlorotoluene	ND		ug/kg	5.9	0.42	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.9	0.98	1
Hexachlorobutadiene	ND		ug/kg	5.9	0.54	1
Isopropylbenzene	ND		ug/kg	1.2	0.21	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.32	1
Naphthalene	ND		ug/kg	5.9	0.90	1
Acrylonitrile	ND		ug/kg	12	0.44	1
n-Propylbenzene	ND		ug/kg	1.2	0.33	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.9	0.47	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.9	0.93	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.9	0.71	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.9	0.67	1
1,4-Dioxane	ND		ug/kg	120	20.	1
1,4-Diethylbenzene	ND		ug/kg	4.7	0.24	1
4-Ethyltoluene	ND		ug/kg	4.7	0.11	1

Project Name: 285 NIAGARA ST.**Lab Number:** L1300394**Project Number:** 0236-001-101**Report Date:** 01/14/13**SAMPLE RESULTS**

Lab ID: L1300394-03

Date Collected: 01/08/13 14:00

Client ID: SW-20

Date Received: 01/09/13

Sample Location: 285 NIAGARA ST.

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.7	0.21	1
Ethyl ether	ND		ug/kg	5.9	0.45	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.9	1.7	1

Tentatively Identified Compounds

Unknown	5.0	J	ug/kg			1
Unknown	5.0	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	98		70-130

Project Name: 285 NIAGARA ST.**Lab Number:** L1300394**Project Number:** 0236-001-101**Report Date:** 01/14/13**SAMPLE RESULTS**

Lab ID: L1300394-04
Client ID: SW-21
Sample Location: 285 NIAGARA ST.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/11/13 15:40
Analyst: BN
Percent Solids: 82%

Date Collected: 01/08/13 14:30
Date Received: 01/09/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.36	1
Chloroform	ND		ug/kg	1.8	0.40	1
Carbon tetrachloride	ND		ug/kg	1.2	0.26	1
1,2-Dichloropropane	ND		ug/kg	4.3	0.31	1
Dibromochloromethane	ND		ug/kg	1.2	0.38	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.48	1
Tetrachloroethene	ND		ug/kg	1.2	0.37	1
Chlorobenzene	ND		ug/kg	1.2	0.23	1
Trichlorofluoromethane	ND		ug/kg	6.1	0.48	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.33	1
Bromodichloromethane	ND		ug/kg	1.2	0.47	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.37	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
1,1-Dichloropropene	ND		ug/kg	6.1	0.56	1
Bromoform	ND		ug/kg	4.9	0.60	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.29	1
Benzene	ND		ug/kg	1.2	0.36	1
Toluene	ND		ug/kg	1.8	0.29	1
Ethylbenzene	ND		ug/kg	1.2	0.27	1
Chloromethane	ND		ug/kg	6.1	0.96	1
Bromomethane	ND		ug/kg	2.4	0.79	1
Vinyl chloride	ND		ug/kg	2.4	0.92	1
Chloroethane	ND		ug/kg	2.4	0.53	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.48	1
Trichloroethene	ND		ug/kg	1.2	0.27	1
1,2-Dichlorobenzene	ND		ug/kg	6.1	0.44	1
1,3-Dichlorobenzene	ND		ug/kg	6.1	0.49	1
1,4-Dichlorobenzene	ND		ug/kg	6.1	0.51	1

Project Name: 285 NIAGARA ST.**Lab Number:** L1300394**Project Number:** 0236-001-101**Report Date:** 01/14/13**SAMPLE RESULTS**

Lab ID: L1300394-04

Date Collected: 01/08/13 14:30

Client ID: SW-21

Date Received: 01/09/13

Sample Location: 285 NIAGARA ST.

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	2.4	0.59	1
p/m-Xylene	ND		ug/kg	2.4	0.52	1
o-Xylene	ND		ug/kg	2.4	0.51	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.37	1
Dibromomethane	ND		ug/kg	12	0.53	1
Styrene	ND		ug/kg	2.4	0.88	1
Dichlorodifluoromethane	ND		ug/kg	12	0.47	1
Acetone	4.7	J	ug/kg	12	3.9	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	ND		ug/kg	12	4.7	1
Vinyl acetate	ND		ug/kg	12	0.92	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.0	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.47	1
2-Hexanone	ND		ug/kg	12	0.48	1
Bromochloromethane	ND		ug/kg	6.1	0.37	1
2,2-Dichloropropane	ND		ug/kg	6.1	0.97	1
1,2-Dibromoethane	ND		ug/kg	4.9	0.50	1
1,3-Dichloropropane	ND		ug/kg	6.1	0.69	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.40	1
Bromobenzene	ND		ug/kg	6.1	0.27	1
n-Butylbenzene	ND		ug/kg	1.2	0.38	1
sec-Butylbenzene	ND		ug/kg	1.2	0.34	1
tert-Butylbenzene	ND		ug/kg	6.1	0.74	1
o-Chlorotoluene	ND		ug/kg	6.1	0.38	1
p-Chlorotoluene	ND		ug/kg	6.1	0.44	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.1	1.0	1
Hexachlorobutadiene	ND		ug/kg	6.1	0.56	1
Isopropylbenzene	ND		ug/kg	1.2	0.22	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.33	1
Naphthalene	ND		ug/kg	6.1	0.94	1
Acrylonitrile	ND		ug/kg	12	0.46	1
n-Propylbenzene	ND		ug/kg	1.2	0.35	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.1	0.49	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.1	0.96	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.1	0.73	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.1	0.70	1
1,4-Dioxane	ND		ug/kg	120	21.	1
1,4-Diethylbenzene	ND		ug/kg	4.9	0.24	1
4-Ethyltoluene	ND		ug/kg	4.9	0.12	1

Project Name: 285 NIAGARA ST.**Lab Number:** L1300394**Project Number:** 0236-001-101**Report Date:** 01/14/13**SAMPLE RESULTS**

Lab ID: L1300394-04

Date Collected: 01/08/13 14:30

Client ID: SW-21

Date Received: 01/09/13

Sample Location: 285 NIAGARA ST.

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.9	0.22	1
Ethyl ether	ND		ug/kg	6.1	0.46	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.1	1.8	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	97		70-130

Project Name: 285 NIAGARA ST.

Lab Number: L1300394

Project Number: 0236-001-101

Report Date: 01/14/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 01/11/13 08:43
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG584271-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.30
Chloroform	ND		ug/kg	1.5	0.32
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.26
Dibromochloromethane	ND		ug/kg	1.0	0.31
2-Chloroethylvinyl ether	ND		ug/kg	20	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.39
Tetrachloroethene	ND		ug/kg	1.0	0.31
Chlorobenzene	ND		ug/kg	1.0	0.19
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.23
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.27
Bromodichloromethane	ND		ug/kg	1.0	0.38
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.30
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.50
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.24
Benzene	ND		ug/kg	1.0	0.30
Toluene	ND		ug/kg	1.5	0.24
Ethylbenzene	ND		ug/kg	1.0	0.22
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.65
Vinyl chloride	ND		ug/kg	2.0	0.75
Chloroethane	ND		ug/kg	2.0	0.44
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.39
Trichloroethene	ND		ug/kg	1.0	0.22
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.36
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.40

Project Name: 285 NIAGARA ST.

Lab Number: L1300394

Project Number: 0236-001-101

Report Date: 01/14/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 01/11/13 08:43
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG584271-3					
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.42
Methyl tert butyl ether	ND		ug/kg	2.0	0.49
p/m-Xylene	ND		ug/kg	2.0	0.43
o-Xylene	ND		ug/kg	2.0	0.42
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.30
Dibromomethane	ND		ug/kg	10	0.43
Styrene	ND		ug/kg	2.0	0.73
Dichlorodifluoromethane	ND		ug/kg	10	0.39
Acetone	ND		ug/kg	10	3.2
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	3.9
Vinyl acetate	ND		ug/kg	10	0.75
4-Methyl-2-pentanone	ND		ug/kg	10	0.82
1,2,3-Trichloropropane	ND		ug/kg	10	0.39
2-Hexanone	ND		ug/kg	10	0.40
Bromochloromethane	ND		ug/kg	5.0	0.30
2,2-Dichloropropane	ND		ug/kg	5.0	0.80
1,2-Dibromoethane	ND		ug/kg	4.0	0.41
1,3-Dichloropropane	ND		ug/kg	5.0	0.56
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33
Bromobenzene	ND		ug/kg	5.0	0.22
n-Butylbenzene	ND		ug/kg	1.0	0.31
sec-Butylbenzene	ND		ug/kg	1.0	0.28
tert-Butylbenzene	ND		ug/kg	5.0	0.60
o-Chlorotoluene	ND		ug/kg	5.0	0.31
p-Chlorotoluene	ND		ug/kg	5.0	0.36
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.84
Hexachlorobutadiene	ND		ug/kg	5.0	0.46
Isopropylbenzene	ND		ug/kg	1.0	0.18
p-Isopropyltoluene	ND		ug/kg	1.0	0.27
Naphthalene	ND		ug/kg	5.0	0.77

Project Name: 285 NIAGARA ST.

Lab Number: L1300394

Project Number: 0236-001-101

Report Date: 01/14/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 01/11/13 08:43
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG584271-3					
Acrylonitrile	ND		ug/kg	10	0.38
Isopropyl Ether	ND		ug/kg	4.0	0.42
tert-Butyl Alcohol	ND		ug/kg	60	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.28
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.40
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.60
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.47
Ethyl Acetate	ND		ug/kg	20	20.
Acrolein	ND		ug/kg	25	3.0
Cyclohexane	ND		ug/kg	20	0.12
1,4-Dioxane	ND		ug/kg	100	17.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.40
1,4-Diethylbenzene	ND		ug/kg	4.0	0.20
4-Ethyltoluene	ND		ug/kg	4.0	0.10
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.18
Tetrahydrofuran	ND		ug/kg	20	1.1
Ethyl ether	ND		ug/kg	5.0	0.38
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.5
Methyl cyclohexane	ND		ug/kg	4.0	0.70
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.88
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	1.0

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg

Project Name: 285 NIAGARA ST.**Lab Number:** L1300394**Project Number:** 0236-001-101**Report Date:** 01/14/13**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 01/11/13 08:43

Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL

Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG584271-3					

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

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 285 NIAGARA ST.

Project Number: 0236-001-101

Lab Number: L1300394

Report Date: 01/14/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG584271-1 WG584271-2								
Methylene chloride	100		99		70-130	1		30
1,1-Dichloroethane	104		99		70-130	5		30
Chloroform	102		99		70-130	3		30
Carbon tetrachloride	107		102		70-130	5		30
1,2-Dichloropropane	101		100		70-130	1		30
Dibromochloromethane	95		96		70-130	1		30
2-Chloroethylvinyl ether	101		100			1		30
1,1,2-Trichloroethane	97		99		70-130	2		30
Tetrachloroethene	105		101		70-130	4		30
Chlorobenzene	101		100		70-130	1		30
Trichlorofluoromethane	115		111		70-139	4		30
1,2-Dichloroethane	97		99		70-130	2		30
1,1,1-Trichloroethane	105		100		70-130	5		30
Bromodichloromethane	97		98		70-130	1		30
trans-1,3-Dichloropropene	95		96		70-130	1		30
cis-1,3-Dichloropropene	97		97		70-130	0		30
1,1-Dichloropropene	107		103		70-130	4		30
Bromoform	93		96		70-130	3		30
1,1,2,2-Tetrachloroethane	94		98		70-130	4		30
Benzene	103		100		70-130	3		30
Toluene	99		96		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285 NIAGARA ST.

Project Number: 0236-001-101

Lab Number: L1300394

Report Date: 01/14/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG584271-1 WG584271-2								
Ethylbenzene	103		100		70-130	3		30
Chloromethane	124		119		52-130	4		30
Bromomethane	93		91		57-147	2		30
Vinyl chloride	109		106		67-130	3		30
Chloroethane	107		104		50-151	3		30
1,1-Dichloroethene	108		105		65-135	3		30
trans-1,2-Dichloroethene	104		102		70-130	2		30
Trichloroethene	105		101		70-130	4		30
1,2-Dichlorobenzene	101		101		70-130	0		30
1,3-Dichlorobenzene	103		101		70-130	2		30
1,4-Dichlorobenzene	102		100		70-130	2		30
Methyl tert butyl ether	92		94		66-130	2		30
p/m-Xylene	105		102		70-130	3		30
o-Xylene	105		103		70-130	2		30
cis-1,2-Dichloroethene	102		100		70-130	2		30
Dibromomethane	96		98		70-130	2		30
Styrene	105		104		70-130	1		30
Dichlorodifluoromethane	115		110		30-146	4		30
Acetone	110		98		54-140	12		30
Carbon disulfide	111		106		59-130	5		30
2-Butanone	107		99		70-130	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285 NIAGARA ST.

Project Number: 0236-001-101

Lab Number: L1300394

Report Date: 01/14/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG584271-1 WG584271-2								
Vinyl acetate	97		101		70-130	4		30
4-Methyl-2-pentanone	87		93		70-130	7		30
1,2,3-Trichloropropane	94		99		68-130	5		30
2-Hexanone	95		92		70-130	3		30
Bromochloromethane	103		101		70-130	2		30
2,2-Dichloropropane	105		101		70-130	4		30
1,2-Dibromoethane	92		95		70-130	3		30
1,3-Dichloropropane	95		97		69-130	2		30
1,1,1,2-Tetrachloroethane	98		98		70-130	0		30
Bromobenzene	100		99		70-130	1		30
n-Butylbenzene	109		106		70-130	3		30
sec-Butylbenzene	108		105		70-130	3		30
tert-Butylbenzene	106		103		70-130	3		30
o-Chlorotoluene	104		102		70-130	2		30
p-Chlorotoluene	103		102		70-130	1		30
1,2-Dibromo-3-chloropropane	91		97		68-130	6		30
Hexachlorobutadiene	106		102		67-130	4		30
Isopropylbenzene	105		102		70-130	3		30
p-Isopropyltoluene	107		104		70-130	3		30
Naphthalene	93		97		70-130	4		30
Acrylonitrile	93		98		70-130	5		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 285 NIAGARA ST.

Project Number: 0236-001-101

Lab Number: L1300394

Report Date: 01/14/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG584271-1 WG584271-2								
Isopropyl Ether	99		99		66-130	0		30
tert-Butyl Alcohol	82		92		70-130	11		30
n-Propylbenzene	107		104		70-130	3		30
1,2,3-Trichlorobenzene	99		100		70-130	1		30
1,2,4-Trichlorobenzene	102		101		70-130	1		30
1,3,5-Trimethylbenzene	106		103		70-130	3		30
1,2,4-Trimethylbenzene	106		104		70-130	2		30
Methyl Acetate	88		96		70-130	9		30
Ethyl Acetate	89		95		70-130	7		30
Acrolein	88		96		70-130	9		30
Cyclohexane	117		111		70-130	5		30
1,4-Dioxane	90		99		65-136	10		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	122		111		70-130	9		30
1,4-Diethylbenzene	108		106		70-130	2		30
4-Ethyltoluene	106		104		70-130	2		30
1,2,4,5-Tetramethylbenzene	107		104		70-130	3		30
Tetrahydrofuran	90		97		66-130	7		30
Ethyl ether	98		100		67-130	2		30
trans-1,4-Dichloro-2-butene	93		98		70-130	5		30
Methyl cyclohexane	114		110		70-130	4		30
Ethyl-Tert-Butyl-Ether	98		98		70-130	0		30

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 285 NIAGARA ST.**Project Number:** 0236-001-101**Lab Number:** L1300394**Report Date:** 01/14/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG584271-1 WG584271-2								
Tertiary-Amyl Methyl Ether	95		96		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		95		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	97		98		70-130
Dibromofluoromethane	95		95		70-130

INORGANICS & MISCELLANEOUS

Project Name: 285 NIAGARA ST.**Project Number:** 0236-001-101**Lab Number:** L1300394**Report Date:** 01/14/13**SAMPLE RESULTS****Lab ID:** L1300394-01**Client ID:** SW-18**Sample Location:** 285 NIAGARA ST.**Matrix:** Soil**Date Collected:** 01/08/13 10:20**Date Received:** 01/09/13**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		%	0.10	NA	1	-	01/10/13 11:02	30,2540G	ST



Project Name: 285 NIAGARA ST.

Project Number: 0236-001-101

Lab Number: L1300394

Report Date: 01/14/13

SAMPLE RESULTS

Lab ID: L1300394-02

Client ID: BOTTOM 7

Sample Location: 285 NIAGARA ST.

Matrix: Soil

Date Collected: 01/08/13 11:30

Date Received: 01/09/13

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		%	0.10	NA	1	-	01/10/13 11:02	30,2540G	ST



Project Name: 285 NIAGARA ST.

Project Number: 0236-001-101

Lab Number: L1300394

Report Date: 01/14/13

SAMPLE RESULTS

Lab ID: L1300394-03

Client ID: SW-20

Sample Location: 285 NIAGARA ST.

Matrix: Soil

Date Collected: 01/08/13 14:00

Date Received: 01/09/13

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		%	0.10	NA	1	-	01/10/13 11:02	30,2540G	ST



Project Name: 285 NIAGARA ST.**Project Number:** 0236-001-101**Lab Number:** L1300394**Report Date:** 01/14/13**SAMPLE RESULTS****Lab ID:** L1300394-04**Client ID:** SW-21**Sample Location:** 285 NIAGARA ST.**Matrix:** Soil**Date Collected:** 01/08/13 14:30**Date Received:** 01/09/13**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		%	0.10	NA	1	-	01/10/13 11:02	30,2540G	ST



Project Name: 285 NIAGARA ST.
Project Number: 0236-001-101

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L1300394
Report Date: 01/14/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG583880-1 QC Sample: L1300405-01 Client ID: DUP Sample						
Solids, Total	89.	89	%	0		20

Project Name: 285 NIAGARA ST.**Lab Number:** L1300394**Project Number:** 0236-001-101**Report Date:** 01/14/13**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Reagent H2O Preserved Vials Frozen on: NA**Cooler Information Custody Seal****Cooler**

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1300394-01A	Vial Large unpreserved	A	N/A	3	Y	Absent	NYTCL-8260(14)
L1300394-01B	Plastic 2oz unpreserved for TS s	A	N/A	3	Y	Absent	TS(7)
L1300394-02A	Vial Large unpreserved	A	N/A	3	Y	Absent	NYTCL-8260(14)
L1300394-02B	Plastic 2oz unpreserved for TS s	A	N/A	3	Y	Absent	TS(7)
L1300394-03A	Vial Large unpreserved	A	N/A	3	Y	Absent	NYTCL-8260(14)
L1300394-03B	Plastic 2oz unpreserved for TS s	A	N/A	3	Y	Absent	TS(7)
L1300394-04A	Vial Large unpreserved	A	N/A	3	Y	Absent	NYTCL-8260(14)
L1300394-04B	Plastic 2oz unpreserved for TS s	A	N/A	3	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days

Project Name: 285 NIAGARA ST.
Project Number: 0236-001-101

Lab Number: L1300394
Report Date: 01/14/13

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

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

Terms

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 five times (5x) 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.
- 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 RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers



Project Name: 285 NIAGARA ST.
Project Number: 0236-001-101

Lab Number: L1300394
Report Date: 01/14/13

Data Qualifiers

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.
- 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: 285 NIAGARA ST.
Project Number: 0236-001-101

Lab Number: L1300394
Report Date: 01/14/13

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.
- 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.



Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. **NELAP Accredited Solid Waste/Soil.**

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.

Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.

Drinking Water (Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; Colilert/OT SM9223B; MF-SM9222D.)

Non-Potable Water (Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: 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-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. *Microbiology Parameters:* (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. *Organic Parameters:* 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. *Organic Parameters:* SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. *Organic Parameters:* SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. *Organic Parameters:* EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500CI-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. *Organic Parameters:* SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. *Organic Parameters:* SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. *Organic Parameters:* EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. *Organic Parameters:* EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. *Organic Parameters:* EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500CI-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO₃-F, 353.2, 4500P-E, 4500SO₄-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311, 1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. **NELAP Accredited.**

Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO₃-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A, 3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P, BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500CI-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH₃-H, 4500NO₂-B, 4500NO₃-F, 4500S-D, 4500SO₃-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH₃-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. **NELAP Accredited via NJ-DEP.**

Refer to MA-DEP Certificate for Potable and Non-Potable Water.

Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commissoon on Environmental Quality Certificate/Lab ID: T104704476. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH₃-H, 4500NO₂B, 4500P-E, 4500 S²⁻D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. **NELAP Accredited.**

Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO₃-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CI-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.

Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO₃-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:

EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methyl naphthalenes, Total Dimethyl naphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO₂ in a soil matrix, NO₃ in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.



CHAIN OF CUSTODY

PAGE 1 OF 1

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Client Information

Client: Turkey

Address: 2558 Hubbard Turnpike

Phone: 716-856-0599

Fax: 716-856-0583

Email:

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

CAT-B

Project Information

Project Name: 285 Niagara St

Project Location: 285 Niagara St

Project #: 0236-001-101

Project Manager: Mike Leszkowski

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: 11/15/13 Time:

Date Rec'd in Lab: 11/19/13

ALPHA Job #: L1300394

Report Information - Data Deliverables

☐ FAX ☒ EMAIL

☐ ADEX ☐ Add'l Deliverables

Billing Information

☐ Same as Client info

PO #:

Regulatory Requirements/Report Limits

State/Fed Program

Criteria

CAT-B

ANALYSIS
TCL Var. + Stars + TIC

SAMPLE HANDLING

Filtration ☐ Done

☐ Not needed

☐ Lab to do

☐ Preservation

☐ Lab to do

(Please specify below)

Sample Specific Comments

TOTAL # OF SAMPLES

ALPHA Lab ID
(Lab Use Only)

Sample ID

Collection Date Time

Sample Matrix

Sampler's Initials

003941

Suo-18

1-8-13 10:20

Soil

Puro

2

Bollen 7

11:30

↓

↓

3

Suo-20

14:00

↓

↓

4

Suo-21

14:30

↓

↓

Relinquished By:

Date/Time

Received By:

Date/Time

Container Type
Preservative

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.



ANALYTICAL REPORT

Lab Number:	L1300502
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Mike Lesakowski
Phone:	(716) 856-0599
Project Name:	285 NIAGARA ST
Project Number:	0236-001-101
Report Date:	01/15/13

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

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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



Project Name: 285 NIAGARA ST
Project Number: 0236-001-101

Lab Number: L1300502
Report Date: 01/15/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1300502-01	SW-22	285 NIAGARA ST	01/09/13 10:00
L1300502-02	SW-23	285 NIAGARA ST	01/09/13 10:15
L1300502-03	BOTTOM 8	285 NIAGARA ST	01/09/13 10:20
L1300502-04	SW-24	285 NIAGARA ST	01/09/13 11:30
L1300502-05	SW-25	285 NIAGARA ST	01/09/13 11:40
L1300502-06	BOTTOM 9	285 NIAGARA ST	01/09/13 11:45
L1300502-07	SW-26	285 NIAGARA ST	01/09/13 13:50
L1300502-08	SW-27	285 NIAGARA ST	01/09/13 13:55
L1300502-09	BOTTOM 10	285 NIAGARA ST	01/09/13 14:00

Project Name: 285 NIAGARA ST
Project Number: 0236-001-101

Lab Number: L1300502
Report Date: 01/15/13

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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 free of charge for 30 days from the date the project is completed. After 30 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.

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

Project Name: 285 NIAGARA ST
Project Number: 0236-001-101

Lab Number: L1300502
Report Date: 01/15/13

Case Narrative (continued)

Report Submission

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

Sample Receipt

Any reported Volatile Organics concentrations that are below 200ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

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:  Elizabeth Simmons

Title: Technical Director/Representative

Date: 01/15/13

ORGANICS

VOLATILES

Project Name: 285 NIAGARA ST**Lab Number:** L1300502**Project Number:** 0236-001-101**Report Date:** 01/15/13**SAMPLE RESULTS**

Lab ID: L1300502-01 D
Client ID: SW-22
Sample Location: 285 NIAGARA ST
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/12/13 12:36
Analyst: BN
Percent Solids: 84%

Date Collected: 01/09/13 10:00
Date Received: 01/09/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	600	120	50
1,1-Dichloroethane	ND		ug/kg	89	18.	50
Chloroform	ND		ug/kg	89	19.	50
Carbon tetrachloride	ND		ug/kg	60	12.	50
1,2-Dichloropropane	ND		ug/kg	210	15.	50
Dibromochloromethane	ND		ug/kg	60	18.	50
1,1,2-Trichloroethane	ND		ug/kg	89	23.	50
Tetrachloroethene	ND		ug/kg	60	18.	50
Chlorobenzene	ND		ug/kg	60	11.	50
Trichlorofluoromethane	ND		ug/kg	300	23.	50
1,2-Dichloroethane	ND		ug/kg	60	14.	50
1,1,1-Trichloroethane	ND		ug/kg	60	16.	50
Bromodichloromethane	ND		ug/kg	60	23.	50
trans-1,3-Dichloropropene	ND		ug/kg	60	18.	50
cis-1,3-Dichloropropene	ND		ug/kg	60	16.	50
1,1-Dichloropropene	ND		ug/kg	300	27.	50
Bromoform	ND		ug/kg	240	29.	50
1,1,2,2-Tetrachloroethane	ND		ug/kg	60	14.	50
Benzene	ND		ug/kg	60	18.	50
Toluene	72	J	ug/kg	89	14.	50
Ethylbenzene	500		ug/kg	60	13.	50
Chloromethane	ND		ug/kg	300	47.	50
Bromomethane	ND		ug/kg	120	38.	50
Vinyl chloride	ND		ug/kg	120	45.	50
Chloroethane	ND		ug/kg	120	26.	50
1,1-Dichloroethene	ND		ug/kg	60	15.	50
trans-1,2-Dichloroethene	ND		ug/kg	89	23.	50
Trichloroethene	ND		ug/kg	60	13.	50
1,2-Dichlorobenzene	ND		ug/kg	300	22.	50
1,3-Dichlorobenzene	ND		ug/kg	300	24.	50
1,4-Dichlorobenzene	ND		ug/kg	300	25.	50

Project Name: 285 NIAGARA ST**Lab Number:** L1300502**Project Number:** 0236-001-101**Report Date:** 01/15/13**SAMPLE RESULTS**

Lab ID: L1300502-01 D

Date Collected: 01/09/13 10:00

Client ID: SW-22

Date Received: 01/09/13

Sample Location: 285 NIAGARA ST

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	120	29.	50
p/m-Xylene	4000		ug/kg	120	26.	50
o-Xylene	96	J	ug/kg	120	25.	50
cis-1,2-Dichloroethene	ND		ug/kg	60	18.	50
Dibromomethane	ND		ug/kg	600	26.	50
Styrene	ND		ug/kg	120	43.	50
Dichlorodifluoromethane	ND		ug/kg	600	23.	50
Acetone	ND		ug/kg	600	190	50
Carbon disulfide	ND		ug/kg	600	120	50
2-Butanone	ND		ug/kg	600	230	50
Vinyl acetate	ND		ug/kg	600	45.	50
4-Methyl-2-pentanone	ND		ug/kg	600	48.	50
1,2,3-Trichloropropane	ND		ug/kg	600	23.	50
2-Hexanone	ND		ug/kg	600	24.	50
Bromochloromethane	ND		ug/kg	300	18.	50
2,2-Dichloropropane	ND		ug/kg	300	47.	50
1,2-Dibromoethane	ND		ug/kg	240	24.	50
1,3-Dichloropropane	ND		ug/kg	300	34.	50
1,1,1,2-Tetrachloroethane	ND		ug/kg	60	20.	50
Bromobenzene	ND		ug/kg	300	13.	50
n-Butylbenzene	450		ug/kg	60	19.	50
sec-Butylbenzene	120		ug/kg	60	16.	50
tert-Butylbenzene	ND		ug/kg	300	36.	50
o-Chlorotoluene	ND		ug/kg	300	19.	50
p-Chlorotoluene	ND		ug/kg	300	21.	50
1,2-Dibromo-3-chloropropane	ND		ug/kg	300	50.	50
Hexachlorobutadiene	ND		ug/kg	300	27.	50
Isopropylbenzene	160		ug/kg	60	10.	50
p-Isopropyltoluene	64		ug/kg	60	16.	50
Naphthalene	890		ug/kg	300	46.	50
Acrylonitrile	ND		ug/kg	600	22.	50
n-Propylbenzene	920		ug/kg	60	17.	50
1,2,3-Trichlorobenzene	ND		ug/kg	300	24.	50
1,2,4-Trichlorobenzene	ND		ug/kg	300	47.	50
1,3,5-Trimethylbenzene	2200		ug/kg	300	36.	50
1,2,4-Trimethylbenzene	6900		ug/kg	300	34.	50
1,4-Dioxane	ND		ug/kg	6000	1000	50
1,4-Diethylbenzene	2800		ug/kg	240	12.	50
4-Ethyltoluene	4800		ug/kg	240	5.8	50

Project Name: 285 NIAGARA ST**Lab Number:** L1300502**Project Number:** 0236-001-101**Report Date:** 01/15/13**SAMPLE RESULTS**

Lab ID: L1300502-01 D

Date Collected: 01/09/13 10:00

Client ID: SW-22

Date Received: 01/09/13

Sample Location: 285 NIAGARA ST

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

1,2,4,5-Tetramethylbenzene	1100		ug/kg	240	11.	50
Ethyl ether	ND		ug/kg	300	23.	50
trans-1,4-Dichloro-2-butene	ND		ug/kg	300	88.	50

Tentatively Identified Compounds

Pentane, 2-methyl-	4200	NJ	ug/kg			50
Pentane, 3-methyl-	2300	NJ	ug/kg			50
Hexane	3600	NJ	ug/kg			50
Cyclopentane, methyl-	2800	NJ	ug/kg			50
Hexane, 2-methyl-	3600	NJ	ug/kg			50
Hexane, 3-methyl-	2800	NJ	ug/kg			50
Heptane	4000	NJ	ug/kg			50
Cyclohexane, methyl-	4200	NJ	ug/kg			50
Heptane, 2-methyl-	4600	NJ	ug/kg			50
Unknown Alkane	2700	J	ug/kg			50
Octane	3400	NJ	ug/kg			50
Unknown Alkane	1400	J	ug/kg			50
Unknown	2300	J	ug/kg			50
Unknown Cycloaromatic	1600	J	ug/kg			50
Unknown Cycloaromatic	1700	J	ug/kg			50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	84		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	88		70-130

Project Name: 285 NIAGARA ST**Lab Number:** L1300502**Project Number:** 0236-001-101**Report Date:** 01/15/13**SAMPLE RESULTS**

Lab ID: L1300502-02
Client ID: SW-23
Sample Location: 285 NIAGARA ST
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/12/13 13:30
Analyst: BN
Percent Solids: 85%

Date Collected: 01/09/13 10:15
Date Received: 01/09/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.35	1
Chloroform	ND		ug/kg	1.8	0.38	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.1	0.30	1
Dibromochloromethane	ND		ug/kg	1.2	0.36	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.46	1
Tetrachloroethene	ND		ug/kg	1.2	0.36	1
Chlorobenzene	ND		ug/kg	1.2	0.22	1
Trichlorofluoromethane	ND		ug/kg	5.9	0.46	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.32	1
Bromodichloromethane	ND		ug/kg	1.2	0.45	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.35	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.31	1
1,1-Dichloropropene	ND		ug/kg	5.9	0.54	1
Bromoform	ND		ug/kg	4.7	0.58	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.28	1
Benzene	ND		ug/kg	1.2	0.35	1
Toluene	2.2		ug/kg	1.8	0.28	1
Ethylbenzene	2.0		ug/kg	1.2	0.26	1
Chloromethane	ND		ug/kg	5.9	0.92	1
Bromomethane	ND		ug/kg	2.4	0.76	1
Vinyl chloride	ND		ug/kg	2.4	0.89	1
Chloroethane	ND		ug/kg	2.4	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.46	1
Trichloroethene	ND		ug/kg	1.2	0.26	1
1,2-Dichlorobenzene	ND		ug/kg	5.9	0.43	1
1,3-Dichlorobenzene	ND		ug/kg	5.9	0.47	1
1,4-Dichlorobenzene	ND		ug/kg	5.9	0.49	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300502**Project Number:** 0236-001-101**Report Date:** 01/15/13**SAMPLE RESULTS**

Lab ID: L1300502-02
 Client ID: SW-23
 Sample Location: 285 NIAGARA ST

Date Collected: 01/09/13 10:15
 Date Received: 01/09/13
 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	2.4	0.57	1
p/m-Xylene	12		ug/kg	2.4	0.50	1
o-Xylene	ND		ug/kg	2.4	0.49	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.35	1
Dibromomethane	ND		ug/kg	12	0.51	1
Styrene	ND		ug/kg	2.4	0.85	1
Dichlorodifluoromethane	ND		ug/kg	12	0.46	1
Acetone	ND		ug/kg	12	3.8	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	ND		ug/kg	12	4.6	1
Vinyl acetate	ND		ug/kg	12	0.88	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.96	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.46	1
2-Hexanone	ND		ug/kg	12	0.47	1
Bromochloromethane	ND		ug/kg	5.9	0.36	1
2,2-Dichloropropane	ND		ug/kg	5.9	0.94	1
1,2-Dibromoethane	ND		ug/kg	4.7	0.48	1
1,3-Dichloropropane	ND		ug/kg	5.9	0.66	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.39	1
Bromobenzene	ND		ug/kg	5.9	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.37	1
sec-Butylbenzene	ND		ug/kg	1.2	0.32	1
tert-Butylbenzene	ND		ug/kg	5.9	0.71	1
o-Chlorotoluene	ND		ug/kg	5.9	0.37	1
p-Chlorotoluene	ND		ug/kg	5.9	0.42	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.9	0.98	1
Hexachlorobutadiene	ND		ug/kg	5.9	0.54	1
Isopropylbenzene	ND		ug/kg	1.2	0.21	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.32	1
Naphthalene	ND		ug/kg	5.9	0.90	1
Acrylonitrile	ND		ug/kg	12	0.44	1
n-Propylbenzene	ND		ug/kg	1.2	0.33	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.9	0.47	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.9	0.93	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.9	0.71	1
1,2,4-Trimethylbenzene	1.1	J	ug/kg	5.9	0.67	1
1,4-Dioxane	ND		ug/kg	120	20.	1
1,4-Diethylbenzene	ND		ug/kg	4.7	0.24	1
4-Ethyltoluene	1.6	J	ug/kg	4.7	0.11	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300502**Project Number:** 0236-001-101**Report Date:** 01/15/13**SAMPLE RESULTS**

Lab ID: L1300502-02
 Client ID: SW-23
 Sample Location: 285 NIAGARA ST

Date Collected: 01/09/13 10:15
 Date Received: 01/09/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.7	0.21	1
Ethyl ether	ND		ug/kg	5.9	0.45	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.9	1.7	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	83		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	86		70-130

Project Name: 285 NIAGARA ST**Lab Number:** L1300502**Project Number:** 0236-001-101**Report Date:** 01/15/13**SAMPLE RESULTS**

Lab ID: L1300502-03
Client ID: BOTTOM 8
Sample Location: 285 NIAGARA ST
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/12/13 13:57
Analyst: BN
Percent Solids: 85%

Date Collected: 01/09/13 10:20
Date Received: 01/09/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.35	1
Chloroform	ND		ug/kg	1.8	0.38	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.1	0.30	1
Dibromochloromethane	ND		ug/kg	1.2	0.36	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.46	1
Tetrachloroethene	ND		ug/kg	1.2	0.36	1
Chlorobenzene	ND		ug/kg	1.2	0.22	1
Trichlorofluoromethane	ND		ug/kg	5.9	0.46	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.32	1
Bromodichloromethane	ND		ug/kg	1.2	0.45	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.35	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.31	1
1,1-Dichloropropene	ND		ug/kg	5.9	0.54	1
Bromoform	ND		ug/kg	4.7	0.58	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.28	1
Benzene	ND		ug/kg	1.2	0.35	1
Toluene	ND		ug/kg	1.8	0.28	1
Ethylbenzene	ND		ug/kg	1.2	0.26	1
Chloromethane	ND		ug/kg	5.9	0.92	1
Bromomethane	ND		ug/kg	2.4	0.76	1
Vinyl chloride	ND		ug/kg	2.4	0.89	1
Chloroethane	ND		ug/kg	2.4	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.46	1
Trichloroethene	ND		ug/kg	1.2	0.26	1
1,2-Dichlorobenzene	ND		ug/kg	5.9	0.43	1
1,3-Dichlorobenzene	ND		ug/kg	5.9	0.47	1
1,4-Dichlorobenzene	ND		ug/kg	5.9	0.49	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300502**Project Number:** 0236-001-101**Report Date:** 01/15/13**SAMPLE RESULTS**

Lab ID: L1300502-03
 Client ID: BOTTOM 8
 Sample Location: 285 NIAGARA ST

Date Collected: 01/09/13 10:20
 Date Received: 01/09/13
 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	2.4	0.57	1
p/m-Xylene	1.1	J	ug/kg	2.4	0.50	1
o-Xylene	ND		ug/kg	2.4	0.49	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.35	1
Dibromomethane	ND		ug/kg	12	0.51	1
Styrene	ND		ug/kg	2.4	0.85	1
Dichlorodifluoromethane	ND		ug/kg	12	0.46	1
Acetone	ND		ug/kg	12	3.8	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	ND		ug/kg	12	4.6	1
Vinyl acetate	ND		ug/kg	12	0.88	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.96	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.46	1
2-Hexanone	ND		ug/kg	12	0.47	1
Bromochloromethane	ND		ug/kg	5.9	0.36	1
2,2-Dichloropropane	ND		ug/kg	5.9	0.94	1
1,2-Dibromoethane	ND		ug/kg	4.7	0.48	1
1,3-Dichloropropane	ND		ug/kg	5.9	0.66	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.39	1
Bromobenzene	ND		ug/kg	5.9	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.37	1
sec-Butylbenzene	ND		ug/kg	1.2	0.32	1
tert-Butylbenzene	ND		ug/kg	5.9	0.71	1
o-Chlorotoluene	ND		ug/kg	5.9	0.37	1
p-Chlorotoluene	ND		ug/kg	5.9	0.42	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.9	0.98	1
Hexachlorobutadiene	ND		ug/kg	5.9	0.54	1
Isopropylbenzene	ND		ug/kg	1.2	0.21	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.32	1
Naphthalene	2.3	J	ug/kg	5.9	0.90	1
Acrylonitrile	ND		ug/kg	12	0.44	1
n-Propylbenzene	ND		ug/kg	1.2	0.33	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.9	0.47	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.9	0.93	1
1,3,5-Trimethylbenzene	0.74	J	ug/kg	5.9	0.71	1
1,2,4-Trimethylbenzene	2.2	J	ug/kg	5.9	0.67	1
1,4-Dioxane	ND		ug/kg	120	20.	1
1,4-Diethylbenzene	ND		ug/kg	4.7	0.24	1
4-Ethyltoluene	1.4	J	ug/kg	4.7	0.11	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300502**Project Number:** 0236-001-101**Report Date:** 01/15/13**SAMPLE RESULTS**

Lab ID: L1300502-03
 Client ID: BOTTOM 8
 Sample Location: 285 NIAGARA ST

Date Collected: 01/09/13 10:20
 Date Received: 01/09/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.7	0.21	1
Ethyl ether	ND		ug/kg	5.9	0.45	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.9	1.7	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	82		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	94		70-130

Project Name: 285 NIAGARA ST**Lab Number:** L1300502**Project Number:** 0236-001-101**Report Date:** 01/15/13**SAMPLE RESULTS**

Lab ID: L1300502-04
Client ID: SW-24
Sample Location: 285 NIAGARA ST
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/15/13 09:38
Analyst: BN
Percent Solids: 84%

Date Collected: 01/09/13 11:30
Date Received: 01/09/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	4.8	J	ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.35	1
Chloroform	ND		ug/kg	1.8	0.39	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.2	0.30	1
Dibromochloromethane	ND		ug/kg	1.2	0.37	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.47	1
Tetrachloroethene	ND		ug/kg	1.2	0.36	1
Chlorobenzene	ND		ug/kg	1.2	0.22	1
Trichlorofluoromethane	ND		ug/kg	6.0	0.46	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.32	1
Bromodichloromethane	ND		ug/kg	1.2	0.46	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.36	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
1,1-Dichloropropene	ND		ug/kg	6.0	0.54	1
Bromoform	ND		ug/kg	4.8	0.59	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.28	1
Benzene	ND		ug/kg	1.2	0.35	1
Toluene	ND		ug/kg	1.8	0.29	1
Ethylbenzene	12		ug/kg	1.2	0.26	1
Chloromethane	ND		ug/kg	6.0	0.93	1
Bromomethane	ND		ug/kg	2.4	0.77	1
Vinyl chloride	ND		ug/kg	2.4	0.90	1
Chloroethane	ND		ug/kg	2.4	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.47	1
Trichloroethene	ND		ug/kg	1.2	0.27	1
1,2-Dichlorobenzene	ND		ug/kg	6.0	0.43	1
1,3-Dichlorobenzene	ND		ug/kg	6.0	0.48	1
1,4-Dichlorobenzene	ND		ug/kg	6.0	0.50	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300502**Project Number:** 0236-001-101**Report Date:** 01/15/13**SAMPLE RESULTS**

Lab ID: L1300502-04
 Client ID: SW-24
 Sample Location: 285 NIAGARA ST

Date Collected: 01/09/13 11:30
 Date Received: 01/09/13
 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	2.4	0.58	1
p/m-Xylene	46		ug/kg	2.4	0.51	1
o-Xylene	ND		ug/kg	2.4	0.50	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.36	1
Dibromomethane	ND		ug/kg	12	0.52	1
Styrene	ND		ug/kg	2.4	0.86	1
Dichlorodifluoromethane	ND		ug/kg	12	0.46	1
Acetone	10	J	ug/kg	12	3.8	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	ND		ug/kg	12	4.6	1
Vinyl acetate	ND		ug/kg	12	0.89	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.97	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.46	1
2-Hexanone	ND		ug/kg	12	0.47	1
Bromochloromethane	ND		ug/kg	6.0	0.36	1
2,2-Dichloropropane	ND		ug/kg	6.0	0.95	1
1,2-Dibromoethane	ND		ug/kg	4.8	0.49	1
1,3-Dichloropropane	ND		ug/kg	6.0	0.67	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.39	1
Bromobenzene	ND		ug/kg	6.0	0.26	1
n-Butylbenzene	5.9		ug/kg	1.2	0.37	1
sec-Butylbenzene	1.7		ug/kg	1.2	0.33	1
tert-Butylbenzene	ND		ug/kg	6.0	0.72	1
o-Chlorotoluene	ND		ug/kg	6.0	0.37	1
p-Chlorotoluene	ND		ug/kg	6.0	0.43	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.0	1.0	1
Hexachlorobutadiene	ND		ug/kg	6.0	0.54	1
Isopropylbenzene	1.6		ug/kg	1.2	0.21	1
p-Isopropyltoluene	1.5		ug/kg	1.2	0.32	1
Naphthalene	45		ug/kg	6.0	0.92	1
Acrylonitrile	ND		ug/kg	12	0.45	1
n-Propylbenzene	9.0		ug/kg	1.2	0.34	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.0	0.48	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.0	0.94	1
1,3,5-Trimethylbenzene	36		ug/kg	6.0	0.72	1
1,2,4-Trimethylbenzene	91		ug/kg	6.0	0.68	1
1,4-Dioxane	ND		ug/kg	120	21.	1
1,4-Diethylbenzene	47		ug/kg	4.8	0.24	1
4-Ethyltoluene	64		ug/kg	4.8	0.12	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300502**Project Number:** 0236-001-101**Report Date:** 01/15/13**SAMPLE RESULTS**

Lab ID: L1300502-04
 Client ID: SW-24
 Sample Location: 285 NIAGARA ST

Date Collected: 01/09/13 11:30
 Date Received: 01/09/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

1,2,4,5-Tetramethylbenzene	29		ug/kg	4.8	0.22	1
Ethyl ether	ND		ug/kg	6.0	0.45	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.0	1.8	1

Tentatively Identified Compounds

Unknown Alkane	27	J	ug/kg			1
Unknown Alkane	60	J	ug/kg			1
Unknown Alkane	36	J	ug/kg			1
Octane	38	NJ	ug/kg			1
Unknown Alkane	30	J	ug/kg			1
Unknown Benzene	30	J	ug/kg			1
Unknown	87	J	ug/kg			1
Unknown Cycloaromatic	57	J	ug/kg			1
Unknown Benzene	56	J	ug/kg			1
Unknown Cycloaromatic	28	J	ug/kg			1
Unknown Cycloaromatic	48	J	ug/kg			1
Unknown Cycloaromatic	50	J	ug/kg			1
Unknown Cycloaromatic	68	J	ug/kg			1
Unknown Cycloaromatic	27	J	ug/kg			1
Unknown Naphthalene	42	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	84		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	94		70-130

Project Name: 285 NIAGARA ST**Lab Number:** L1300502**Project Number:** 0236-001-101**Report Date:** 01/15/13**SAMPLE RESULTS**

Lab ID: L1300502-05
Client ID: SW-25
Sample Location: 285 NIAGARA ST
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/12/13 14:24
Analyst: BN
Percent Solids: 86%

Date Collected: 01/09/13 11:40
Date Received: 01/09/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.34	1
Chloroform	ND		ug/kg	1.7	0.38	1
Carbon tetrachloride	ND		ug/kg	1.2	0.24	1
1,2-Dichloropropane	ND		ug/kg	4.1	0.30	1
Dibromochloromethane	ND		ug/kg	1.2	0.36	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.46	1
Tetrachloroethene	ND		ug/kg	1.2	0.36	1
Chlorobenzene	ND		ug/kg	1.2	0.22	1
Trichlorofluoromethane	ND		ug/kg	5.8	0.46	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.31	1
Bromodichloromethane	ND		ug/kg	1.2	0.45	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.35	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.31	1
1,1-Dichloropropene	ND		ug/kg	5.8	0.53	1
Bromoform	ND		ug/kg	4.6	0.58	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.28	1
Benzene	ND		ug/kg	1.2	0.34	1
Toluene	ND		ug/kg	1.7	0.28	1
Ethylbenzene	0.74	J	ug/kg	1.2	0.26	1
Chloromethane	ND		ug/kg	5.8	0.91	1
Bromomethane	ND		ug/kg	2.3	0.75	1
Vinyl chloride	ND		ug/kg	2.3	0.88	1
Chloroethane	ND		ug/kg	2.3	0.51	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.46	1
Trichloroethene	ND		ug/kg	1.2	0.26	1
1,2-Dichlorobenzene	ND		ug/kg	5.8	0.42	1
1,3-Dichlorobenzene	ND		ug/kg	5.8	0.46	1
1,4-Dichlorobenzene	ND		ug/kg	5.8	0.49	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300502**Project Number:** 0236-001-101**Report Date:** 01/15/13**SAMPLE RESULTS**

Lab ID: L1300502-05
 Client ID: SW-25
 Sample Location: 285 NIAGARA ST

Date Collected: 01/09/13 11:40
 Date Received: 01/09/13
 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	0.57	1
p/m-Xylene	5.1		ug/kg	2.3	0.50	1
o-Xylene	1.4	J	ug/kg	2.3	0.48	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.35	1
Dibromomethane	ND		ug/kg	12	0.50	1
Styrene	ND		ug/kg	2.3	0.84	1
Dichlorodifluoromethane	ND		ug/kg	12	0.45	1
Acetone	ND		ug/kg	12	3.8	1
Carbon disulfide	ND		ug/kg	12	2.3	1
2-Butanone	ND		ug/kg	12	4.5	1
Vinyl acetate	ND		ug/kg	12	0.87	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.95	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.45	1
2-Hexanone	ND		ug/kg	12	0.46	1
Bromochloromethane	ND		ug/kg	5.8	0.35	1
2,2-Dichloropropane	ND		ug/kg	5.8	0.92	1
1,2-Dibromoethane	ND		ug/kg	4.6	0.48	1
1,3-Dichloropropane	ND		ug/kg	5.8	0.66	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.38	1
Bromobenzene	ND		ug/kg	5.8	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.36	1
sec-Butylbenzene	ND		ug/kg	1.2	0.32	1
tert-Butylbenzene	ND		ug/kg	5.8	0.70	1
o-Chlorotoluene	ND		ug/kg	5.8	0.36	1
p-Chlorotoluene	ND		ug/kg	5.8	0.42	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.8	0.97	1
Hexachlorobutadiene	ND		ug/kg	5.8	0.53	1
Isopropylbenzene	ND		ug/kg	1.2	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.32	1
Naphthalene	2.1	J	ug/kg	5.8	0.89	1
Acrylonitrile	ND		ug/kg	12	0.44	1
n-Propylbenzene	ND		ug/kg	1.2	0.33	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.8	0.47	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.8	0.92	1
1,3,5-Trimethylbenzene	2.2	J	ug/kg	5.8	0.70	1
1,2,4-Trimethylbenzene	7.0		ug/kg	5.8	0.67	1
1,4-Dioxane	ND		ug/kg	120	20.	1
1,4-Diethylbenzene	ND		ug/kg	4.6	0.23	1
4-Ethyltoluene	4.2	J	ug/kg	4.6	0.11	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300502**Project Number:** 0236-001-101**Report Date:** 01/15/13**SAMPLE RESULTS**

Lab ID: L1300502-05
 Client ID: SW-25
 Sample Location: 285 NIAGARA ST

Date Collected: 01/09/13 11:40
 Date Received: 01/09/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

1,2,4,5-Tetramethylbenzene	0.73	J	ug/kg	4.6	0.21	1
Ethyl ether	ND		ug/kg	5.8	0.44	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.8	1.7	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	82		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	85		70-130

Project Name: 285 NIAGARA ST**Lab Number:** L1300502**Project Number:** 0236-001-101**Report Date:** 01/15/13**SAMPLE RESULTS**

Lab ID: L1300502-06
Client ID: BOTTOM 9
Sample Location: 285 NIAGARA ST
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/12/13 14:50
Analyst: BN
Percent Solids: 83%

Date Collected: 01/09/13 11:45
Date Received: 01/09/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.36	1
Chloroform	ND		ug/kg	1.8	0.39	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.2	0.31	1
Dibromochloromethane	ND		ug/kg	1.2	0.37	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.47	1
Tetrachloroethene	ND		ug/kg	1.2	0.37	1
Chlorobenzene	ND		ug/kg	1.2	0.22	1
Trichlorofluoromethane	ND		ug/kg	6.0	0.47	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.32	1
Bromodichloromethane	ND		ug/kg	1.2	0.46	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.36	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
1,1-Dichloropropene	ND		ug/kg	6.0	0.55	1
Bromoform	ND		ug/kg	4.8	0.60	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.29	1
Benzene	ND		ug/kg	1.2	0.36	1
Toluene	ND		ug/kg	1.8	0.29	1
Ethylbenzene	ND		ug/kg	1.2	0.27	1
Chloromethane	ND		ug/kg	6.0	0.94	1
Bromomethane	ND		ug/kg	2.4	0.78	1
Vinyl chloride	ND		ug/kg	2.4	0.91	1
Chloroethane	ND		ug/kg	2.4	0.53	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.47	1
Trichloroethene	ND		ug/kg	1.2	0.27	1
1,2-Dichlorobenzene	ND		ug/kg	6.0	0.44	1
1,3-Dichlorobenzene	ND		ug/kg	6.0	0.48	1
1,4-Dichlorobenzene	ND		ug/kg	6.0	0.50	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300502**Project Number:** 0236-001-101**Report Date:** 01/15/13**SAMPLE RESULTS**

Lab ID: L1300502-06
 Client ID: BOTTOM 9
 Sample Location: 285 NIAGARA ST

Date Collected: 01/09/13 11:45
 Date Received: 01/09/13
 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	2.4	0.59	1
p/m-Xylene	ND		ug/kg	2.4	0.52	1
o-Xylene	ND		ug/kg	2.4	0.50	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.36	1
Dibromomethane	ND		ug/kg	12	0.52	1
Styrene	ND		ug/kg	2.4	0.87	1
Dichlorodifluoromethane	ND		ug/kg	12	0.47	1
Acetone	ND		ug/kg	12	3.9	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	ND		ug/kg	12	4.7	1
Vinyl acetate	ND		ug/kg	12	0.90	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.98	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.47	1
2-Hexanone	ND		ug/kg	12	0.48	1
Bromochloromethane	ND		ug/kg	6.0	0.36	1
2,2-Dichloropropane	ND		ug/kg	6.0	0.96	1
1,2-Dibromoethane	ND		ug/kg	4.8	0.49	1
1,3-Dichloropropane	ND		ug/kg	6.0	0.68	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.40	1
Bromobenzene	ND		ug/kg	6.0	0.26	1
n-Butylbenzene	0.84	J	ug/kg	1.2	0.38	1
sec-Butylbenzene	ND		ug/kg	1.2	0.33	1
tert-Butylbenzene	ND		ug/kg	6.0	0.73	1
o-Chlorotoluene	ND		ug/kg	6.0	0.38	1
p-Chlorotoluene	ND		ug/kg	6.0	0.43	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.0	1.0	1
Hexachlorobutadiene	ND		ug/kg	6.0	0.55	1
Isopropylbenzene	ND		ug/kg	1.2	0.21	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.33	1
Naphthalene	ND		ug/kg	6.0	0.93	1
Acrylonitrile	ND		ug/kg	12	0.45	1
n-Propylbenzene	ND		ug/kg	1.2	0.34	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.0	0.49	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.0	0.95	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.0	0.72	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.0	0.69	1
1,4-Dioxane	ND		ug/kg	120	21.	1
1,4-Diethylbenzene	ND		ug/kg	4.8	0.24	1
4-Ethyltoluene	ND		ug/kg	4.8	0.12	1

Project Name: 285 NIAGARA ST

Lab Number: L1300502

Project Number: 0236-001-101

Report Date: 01/15/13

SAMPLE RESULTS

Lab ID: L1300502-06
 Client ID: BOTTOM 9
 Sample Location: 285 NIAGARA ST

Date Collected: 01/09/13 11:45
 Date Received: 01/09/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	5.0		ug/kg	4.8	0.22	1
Ethyl ether	ND		ug/kg	6.0	0.46	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.0	1.8	1

Tentatively Identified Compounds

Butane, 2-methyl-	9.9	NJ	ug/kg			1
Unknown Alkane	22	J	ug/kg			1
Pentane, 3-methyl-	31	NJ	ug/kg			1
Unknown Alkane	7.7	J	ug/kg			1
Hexane, 3-methyl-	6.6	NJ	ug/kg			1
Unknown Cycloalkane	13	J	ug/kg			1
Cyclopentane, 1,3-dimethyl-, cis-	13	NJ	ug/kg			1
Isopropylcyclobutane	9.1	NJ	ug/kg			1
Cyclohexane, methyl-	14	NJ	ug/kg			1
Unknown Benzene	6.1	J	ug/kg			1
Indane	12	NJ	ug/kg			1
Unknown Cycloaromatic	5.2	J	ug/kg			1
Unknown Benzene	6.9	J	ug/kg			1
Unknown Cycloaromatic	5.8	J	ug/kg			1
Unknown Cycloaromatic	11	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	82		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	94		70-130

Project Name: 285 NIAGARA ST**Lab Number:** L1300502**Project Number:** 0236-001-101**Report Date:** 01/15/13**SAMPLE RESULTS**

Lab ID: L1300502-07
Client ID: SW-26
Sample Location: 285 NIAGARA ST
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/12/13 15:17
Analyst: BN
Percent Solids: 85%

Date Collected: 01/09/13 13:50
Date Received: 01/09/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	2.4	J	ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.35	1
Chloroform	ND		ug/kg	1.8	0.38	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.1	0.30	1
Dibromochloromethane	ND		ug/kg	1.2	0.36	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.46	1
Tetrachloroethene	ND		ug/kg	1.2	0.36	1
Chlorobenzene	ND		ug/kg	1.2	0.22	1
Trichlorofluoromethane	ND		ug/kg	5.9	0.46	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.32	1
Bromodichloromethane	ND		ug/kg	1.2	0.45	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.35	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.31	1
1,1-Dichloropropene	ND		ug/kg	5.9	0.54	1
Bromoform	ND		ug/kg	4.7	0.58	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.28	1
Benzene	ND		ug/kg	1.2	0.35	1
Toluene	ND		ug/kg	1.8	0.28	1
Ethylbenzene	ND		ug/kg	1.2	0.26	1
Chloromethane	ND		ug/kg	5.9	0.92	1
Bromomethane	ND		ug/kg	2.4	0.76	1
Vinyl chloride	ND		ug/kg	2.4	0.89	1
Chloroethane	ND		ug/kg	2.4	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.46	1
Trichloroethene	ND		ug/kg	1.2	0.26	1
1,2-Dichlorobenzene	ND		ug/kg	5.9	0.43	1
1,3-Dichlorobenzene	ND		ug/kg	5.9	0.47	1
1,4-Dichlorobenzene	ND		ug/kg	5.9	0.49	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300502**Project Number:** 0236-001-101**Report Date:** 01/15/13**SAMPLE RESULTS**

Lab ID: L1300502-07
 Client ID: SW-26
 Sample Location: 285 NIAGARA ST

Date Collected: 01/09/13 13:50
 Date Received: 01/09/13
 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	2.4	0.57	1
p/m-Xylene	ND		ug/kg	2.4	0.50	1
o-Xylene	ND		ug/kg	2.4	0.49	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.35	1
Dibromomethane	ND		ug/kg	12	0.51	1
Styrene	ND		ug/kg	2.4	0.85	1
Dichlorodifluoromethane	ND		ug/kg	12	0.46	1
Acetone	7.9	J	ug/kg	12	3.8	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	ND		ug/kg	12	4.6	1
Vinyl acetate	ND		ug/kg	12	0.88	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.96	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.46	1
2-Hexanone	ND		ug/kg	12	0.47	1
Bromochloromethane	ND		ug/kg	5.9	0.36	1
2,2-Dichloropropane	ND		ug/kg	5.9	0.94	1
1,2-Dibromoethane	ND		ug/kg	4.7	0.48	1
1,3-Dichloropropane	ND		ug/kg	5.9	0.66	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.39	1
Bromobenzene	ND		ug/kg	5.9	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.37	1
sec-Butylbenzene	ND		ug/kg	1.2	0.32	1
tert-Butylbenzene	ND		ug/kg	5.9	0.71	1
o-Chlorotoluene	ND		ug/kg	5.9	0.37	1
p-Chlorotoluene	ND		ug/kg	5.9	0.42	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.9	0.98	1
Hexachlorobutadiene	ND		ug/kg	5.9	0.54	1
Isopropylbenzene	ND		ug/kg	1.2	0.21	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.32	1
Naphthalene	ND		ug/kg	5.9	0.90	1
Acrylonitrile	ND		ug/kg	12	0.44	1
n-Propylbenzene	ND		ug/kg	1.2	0.33	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.9	0.47	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.9	0.93	1
1,3,5-Trimethylbenzene	1.5	J	ug/kg	5.9	0.71	1
1,2,4-Trimethylbenzene	2.6	J	ug/kg	5.9	0.67	1
1,4-Dioxane	ND		ug/kg	120	20.	1
1,4-Diethylbenzene	1.4	J	ug/kg	4.7	0.24	1
4-Ethyltoluene	3.1	J	ug/kg	4.7	0.11	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300502**Project Number:** 0236-001-101**Report Date:** 01/15/13**SAMPLE RESULTS**

Lab ID: L1300502-07
 Client ID: SW-26
 Sample Location: 285 NIAGARA ST

Date Collected: 01/09/13 13:50
 Date Received: 01/09/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.7	0.21	1
Ethyl ether	ND		ug/kg	5.9	0.45	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.9	1.7	1

Tentatively Identified Compounds

Unknown Alkane	3.1	J	ug/kg			1
Cyclopentane, methyl-	3.4	NJ	ug/kg			1
Unknown Alkane	2.8	J	ug/kg			1
Unknown	2.7	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	83		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	97		70-130

Project Name: 285 NIAGARA ST**Lab Number:** L1300502**Project Number:** 0236-001-101**Report Date:** 01/15/13**SAMPLE RESULTS**

Lab ID: L1300502-08
Client ID: SW-27
Sample Location: 285 NIAGARA ST
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/12/13 15:44
Analyst: BN
Percent Solids: 84%

Date Collected: 01/09/13 13:55
Date Received: 01/09/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	2.7	J	ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.35	1
Chloroform	ND		ug/kg	1.8	0.39	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.2	0.30	1
Dibromochloromethane	ND		ug/kg	1.2	0.37	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.47	1
Tetrachloroethene	ND		ug/kg	1.2	0.36	1
Chlorobenzene	ND		ug/kg	1.2	0.22	1
Trichlorofluoromethane	ND		ug/kg	6.0	0.46	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.32	1
Bromodichloromethane	ND		ug/kg	1.2	0.46	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.36	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
1,1-Dichloropropene	ND		ug/kg	6.0	0.54	1
Bromoform	ND		ug/kg	4.8	0.59	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.28	1
Benzene	ND		ug/kg	1.2	0.35	1
Toluene	ND		ug/kg	1.8	0.29	1
Ethylbenzene	ND		ug/kg	1.2	0.26	1
Chloromethane	ND		ug/kg	6.0	0.93	1
Bromomethane	ND		ug/kg	2.4	0.77	1
Vinyl chloride	ND		ug/kg	2.4	0.90	1
Chloroethane	ND		ug/kg	2.4	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.47	1
Trichloroethene	ND		ug/kg	1.2	0.27	1
1,2-Dichlorobenzene	ND		ug/kg	6.0	0.43	1
1,3-Dichlorobenzene	ND		ug/kg	6.0	0.48	1
1,4-Dichlorobenzene	ND		ug/kg	6.0	0.50	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300502**Project Number:** 0236-001-101**Report Date:** 01/15/13**SAMPLE RESULTS**

Lab ID: L1300502-08
 Client ID: SW-27
 Sample Location: 285 NIAGARA ST

Date Collected: 01/09/13 13:55
 Date Received: 01/09/13
 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	2.4	0.58	1
p/m-Xylene	0.79	J	ug/kg	2.4	0.51	1
o-Xylene	ND		ug/kg	2.4	0.50	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.36	1
Dibromomethane	ND		ug/kg	12	0.52	1
Styrene	ND		ug/kg	2.4	0.86	1
Dichlorodifluoromethane	ND		ug/kg	12	0.46	1
Acetone	ND		ug/kg	12	3.8	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	ND		ug/kg	12	4.6	1
Vinyl acetate	ND		ug/kg	12	0.89	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.97	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.46	1
2-Hexanone	ND		ug/kg	12	0.47	1
Bromochloromethane	ND		ug/kg	6.0	0.36	1
2,2-Dichloropropane	ND		ug/kg	6.0	0.95	1
1,2-Dibromoethane	ND		ug/kg	4.8	0.49	1
1,3-Dichloropropane	ND		ug/kg	6.0	0.67	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.39	1
Bromobenzene	ND		ug/kg	6.0	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.37	1
sec-Butylbenzene	ND		ug/kg	1.2	0.33	1
tert-Butylbenzene	ND		ug/kg	6.0	0.72	1
o-Chlorotoluene	ND		ug/kg	6.0	0.37	1
p-Chlorotoluene	ND		ug/kg	6.0	0.43	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.0	1.0	1
Hexachlorobutadiene	ND		ug/kg	6.0	0.54	1
Isopropylbenzene	ND		ug/kg	1.2	0.21	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.32	1
Naphthalene	ND		ug/kg	6.0	0.92	1
Acrylonitrile	ND		ug/kg	12	0.45	1
n-Propylbenzene	ND		ug/kg	1.2	0.34	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.0	0.48	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.0	0.94	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.0	0.72	1
1,2,4-Trimethylbenzene	1.0	J	ug/kg	6.0	0.68	1
1,4-Dioxane	ND		ug/kg	120	21.	1
1,4-Diethylbenzene	ND		ug/kg	4.8	0.24	1
4-Ethyltoluene	0.88	J	ug/kg	4.8	0.12	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300502**Project Number:** 0236-001-101**Report Date:** 01/15/13**SAMPLE RESULTS**

Lab ID: L1300502-08
 Client ID: SW-27
 Sample Location: 285 NIAGARA ST

Date Collected: 01/09/13 13:55
 Date Received: 01/09/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.8	0.22	1
Ethyl ether	ND		ug/kg	6.0	0.45	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.0	1.8	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	83		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	86		70-130

Project Name: 285 NIAGARA ST**Lab Number:** L1300502**Project Number:** 0236-001-101**Report Date:** 01/15/13**SAMPLE RESULTS**

Lab ID: L1300502-09
Client ID: BOTTOM 10
Sample Location: 285 NIAGARA ST
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/12/13 16:11
Analyst: BN
Percent Solids: 84%

Date Collected: 01/09/13 14:00
Date Received: 01/09/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	2.6	J	ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.35	1
Chloroform	ND		ug/kg	1.8	0.39	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.2	0.30	1
Dibromochloromethane	ND		ug/kg	1.2	0.37	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.47	1
Tetrachloroethene	ND		ug/kg	1.2	0.36	1
Chlorobenzene	ND		ug/kg	1.2	0.22	1
Trichlorofluoromethane	ND		ug/kg	6.0	0.46	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.32	1
Bromodichloromethane	ND		ug/kg	1.2	0.46	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.36	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
1,1-Dichloropropene	ND		ug/kg	6.0	0.54	1
Bromoform	ND		ug/kg	4.8	0.59	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.28	1
Benzene	ND		ug/kg	1.2	0.35	1
Toluene	ND		ug/kg	1.8	0.29	1
Ethylbenzene	ND		ug/kg	1.2	0.26	1
Chloromethane	ND		ug/kg	6.0	0.93	1
Bromomethane	ND		ug/kg	2.4	0.77	1
Vinyl chloride	ND		ug/kg	2.4	0.90	1
Chloroethane	ND		ug/kg	2.4	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.47	1
Trichloroethene	ND		ug/kg	1.2	0.27	1
1,2-Dichlorobenzene	ND		ug/kg	6.0	0.43	1
1,3-Dichlorobenzene	ND		ug/kg	6.0	0.48	1
1,4-Dichlorobenzene	ND		ug/kg	6.0	0.50	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300502**Project Number:** 0236-001-101**Report Date:** 01/15/13**SAMPLE RESULTS**

Lab ID: L1300502-09
 Client ID: BOTTOM 10
 Sample Location: 285 NIAGARA ST

Date Collected: 01/09/13 14:00
 Date Received: 01/09/13
 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	2.4	0.58	1
p/m-Xylene	ND		ug/kg	2.4	0.51	1
o-Xylene	ND		ug/kg	2.4	0.50	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.36	1
Dibromomethane	ND		ug/kg	12	0.52	1
Styrene	ND		ug/kg	2.4	0.86	1
Dichlorodifluoromethane	ND		ug/kg	12	0.46	1
Acetone	ND		ug/kg	12	3.8	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	ND		ug/kg	12	4.6	1
Vinyl acetate	ND		ug/kg	12	0.89	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.97	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.46	1
2-Hexanone	ND		ug/kg	12	0.47	1
Bromochloromethane	ND		ug/kg	6.0	0.36	1
2,2-Dichloropropane	ND		ug/kg	6.0	0.95	1
1,2-Dibromoethane	ND		ug/kg	4.8	0.49	1
1,3-Dichloropropane	ND		ug/kg	6.0	0.67	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.39	1
Bromobenzene	ND		ug/kg	6.0	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.37	1
sec-Butylbenzene	ND		ug/kg	1.2	0.33	1
tert-Butylbenzene	ND		ug/kg	6.0	0.72	1
o-Chlorotoluene	ND		ug/kg	6.0	0.37	1
p-Chlorotoluene	ND		ug/kg	6.0	0.43	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.0	1.0	1
Hexachlorobutadiene	ND		ug/kg	6.0	0.54	1
Isopropylbenzene	ND		ug/kg	1.2	0.21	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.32	1
Naphthalene	ND		ug/kg	6.0	0.92	1
Acrylonitrile	ND		ug/kg	12	0.45	1
n-Propylbenzene	ND		ug/kg	1.2	0.34	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.0	0.48	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.0	0.94	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.0	0.72	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.0	0.68	1
1,4-Dioxane	ND		ug/kg	120	21.	1
1,4-Diethylbenzene	ND		ug/kg	4.8	0.24	1
4-Ethyltoluene	ND		ug/kg	4.8	0.12	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300502**Project Number:** 0236-001-101**Report Date:** 01/15/13**SAMPLE RESULTS**

Lab ID: L1300502-09
 Client ID: BOTTOM 10
 Sample Location: 285 NIAGARA ST

Date Collected: 01/09/13 14:00
 Date Received: 01/09/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.8	0.22	1
Ethyl ether	ND		ug/kg	6.0	0.45	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.0	1.8	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	84		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	97		70-130

Project Name: 285 NIAGARA ST

Lab Number: L1300502

Project Number: 0236-001-101

Report Date: 01/15/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 01/12/13 12:10
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05-09 Batch: WG584712-3					
Methylene chloride	2.0	J	ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.30
Chloroform	ND		ug/kg	1.5	0.32
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.26
Dibromochloromethane	ND		ug/kg	1.0	0.31
2-Chloroethylvinyl ether	ND		ug/kg	20	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.39
Tetrachloroethene	ND		ug/kg	1.0	0.31
Chlorobenzene	ND		ug/kg	1.0	0.19
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.23
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.27
Bromodichloromethane	ND		ug/kg	1.0	0.38
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.30
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.50
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.24
Benzene	ND		ug/kg	1.0	0.30
Toluene	ND		ug/kg	1.5	0.24
Ethylbenzene	ND		ug/kg	1.0	0.22
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.65
Vinyl chloride	ND		ug/kg	2.0	0.75
Chloroethane	ND		ug/kg	2.0	0.44
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.39
Trichloroethene	ND		ug/kg	1.0	0.22
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.36
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.40

Project Name: 285 NIAGARA ST

Lab Number: L1300502

Project Number: 0236-001-101

Report Date: 01/15/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 01/12/13 12:10

Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05-09 Batch: WG584712-3					
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.42
Methyl tert butyl ether	ND		ug/kg	2.0	0.49
p/m-Xylene	ND		ug/kg	2.0	0.43
o-Xylene	ND		ug/kg	2.0	0.42
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.30
Dibromomethane	ND		ug/kg	10	0.43
Styrene	ND		ug/kg	2.0	0.73
Dichlorodifluoromethane	ND		ug/kg	10	0.39
Acetone	ND		ug/kg	10	3.2
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	3.9
Vinyl acetate	ND		ug/kg	10	0.75
4-Methyl-2-pentanone	ND		ug/kg	10	0.82
1,2,3-Trichloropropane	ND		ug/kg	10	0.39
2-Hexanone	ND		ug/kg	10	0.40
Bromochloromethane	ND		ug/kg	5.0	0.30
2,2-Dichloropropane	ND		ug/kg	5.0	0.80
1,2-Dibromoethane	ND		ug/kg	4.0	0.41
1,3-Dichloropropane	ND		ug/kg	5.0	0.56
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33
Bromobenzene	ND		ug/kg	5.0	0.22
n-Butylbenzene	ND		ug/kg	1.0	0.31
sec-Butylbenzene	ND		ug/kg	1.0	0.28
tert-Butylbenzene	ND		ug/kg	5.0	0.60
o-Chlorotoluene	ND		ug/kg	5.0	0.31
p-Chlorotoluene	ND		ug/kg	5.0	0.36
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.84
Hexachlorobutadiene	ND		ug/kg	5.0	0.46
Isopropylbenzene	ND		ug/kg	1.0	0.18
p-Isopropyltoluene	ND		ug/kg	1.0	0.27
Naphthalene	ND		ug/kg	5.0	0.77

Project Name: 285 NIAGARA ST

Lab Number: L1300502

Project Number: 0236-001-101

Report Date: 01/15/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 01/12/13 12:10
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05-09 Batch: WG584712-3					
Acrylonitrile	ND		ug/kg	10	0.38
Isopropyl Ether	ND		ug/kg	4.0	0.42
tert-Butyl Alcohol	ND		ug/kg	60	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.28
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.40
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.60
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.47
Ethyl Acetate	ND		ug/kg	20	20.
Acrolein	ND		ug/kg	25	3.0
Cyclohexane	ND		ug/kg	20	0.12
1,4-Dioxane	ND		ug/kg	100	17.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.40
1,4-Diethylbenzene	ND		ug/kg	4.0	0.20
4-Ethyltoluene	ND		ug/kg	4.0	0.10
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.18
Tetrahydrofuran	ND		ug/kg	20	1.1
Ethyl ether	ND		ug/kg	5.0	0.38
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.5
Methyl cyclohexane	ND		ug/kg	4.0	0.70
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.88
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	1.0

Tentatively Identified Compounds

Unknown	6.3	J	ug/kg
Unknown	2.2	J	ug/kg

Project Name: 285 NIAGARA ST**Lab Number:** L1300502**Project Number:** 0236-001-101**Report Date:** 01/15/13**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 01/12/13 12:10

Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05-09 Batch: WG584712-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	83		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	95		70-130

Project Name: 285 NIAGARA ST

Lab Number: L1300502

Project Number: 0236-001-101

Report Date: 01/15/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 01/15/13 09:10
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG584869-3					
Methylene chloride	2.0	J	ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.30
Chloroform	ND		ug/kg	1.5	0.32
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.26
Dibromochloromethane	ND		ug/kg	1.0	0.31
2-Chloroethylvinyl ether	ND		ug/kg	20	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.39
Tetrachloroethene	ND		ug/kg	1.0	0.31
Chlorobenzene	ND		ug/kg	1.0	0.19
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.23
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.27
Bromodichloromethane	ND		ug/kg	1.0	0.38
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.30
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.50
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.24
Benzene	ND		ug/kg	1.0	0.30
Toluene	ND		ug/kg	1.5	0.24
Ethylbenzene	ND		ug/kg	1.0	0.22
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.65
Vinyl chloride	ND		ug/kg	2.0	0.75
Chloroethane	ND		ug/kg	2.0	0.44
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.39
Trichloroethene	ND		ug/kg	1.0	0.22
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.36
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.40

Project Name: 285 NIAGARA ST

Lab Number: L1300502

Project Number: 0236-001-101

Report Date: 01/15/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 01/15/13 09:10

Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG584869-3					
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.42
Methyl tert butyl ether	ND		ug/kg	2.0	0.49
p/m-Xylene	ND		ug/kg	2.0	0.43
o-Xylene	ND		ug/kg	2.0	0.42
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.30
Dibromomethane	ND		ug/kg	10	0.43
Styrene	ND		ug/kg	2.0	0.73
Dichlorodifluoromethane	ND		ug/kg	10	0.39
Acetone	ND		ug/kg	10	3.2
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	3.9
Vinyl acetate	ND		ug/kg	10	0.75
4-Methyl-2-pentanone	ND		ug/kg	10	0.82
1,2,3-Trichloropropane	ND		ug/kg	10	0.39
2-Hexanone	ND		ug/kg	10	0.40
Bromochloromethane	ND		ug/kg	5.0	0.30
2,2-Dichloropropane	ND		ug/kg	5.0	0.80
1,2-Dibromoethane	ND		ug/kg	4.0	0.41
1,3-Dichloropropane	ND		ug/kg	5.0	0.56
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33
Bromobenzene	ND		ug/kg	5.0	0.22
n-Butylbenzene	ND		ug/kg	1.0	0.31
sec-Butylbenzene	ND		ug/kg	1.0	0.28
tert-Butylbenzene	ND		ug/kg	5.0	0.60
o-Chlorotoluene	ND		ug/kg	5.0	0.31
p-Chlorotoluene	ND		ug/kg	5.0	0.36
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.84
Hexachlorobutadiene	ND		ug/kg	5.0	0.46
Isopropylbenzene	ND		ug/kg	1.0	0.18
p-Isopropyltoluene	ND		ug/kg	1.0	0.27
Naphthalene	ND		ug/kg	5.0	0.77

Project Name: 285 NIAGARA ST

Lab Number: L1300502

Project Number: 0236-001-101

Report Date: 01/15/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 01/15/13 09:10
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG584869-3					
Acrylonitrile	ND		ug/kg	10	0.38
Isopropyl Ether	ND		ug/kg	4.0	0.42
tert-Butyl Alcohol	ND		ug/kg	60	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.28
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.40
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.60
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.47
Ethyl Acetate	ND		ug/kg	20	20.
Acrolein	ND		ug/kg	25	3.0
Cyclohexane	ND		ug/kg	20	0.12
1,4-Dioxane	ND		ug/kg	100	17.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.40
1,4-Diethylbenzene	ND		ug/kg	4.0	0.20
4-Ethyltoluene	ND		ug/kg	4.0	0.10
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.18
Tetrahydrofuran	ND		ug/kg	20	1.1
Ethyl ether	ND		ug/kg	5.0	0.38
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.5
Methyl cyclohexane	ND		ug/kg	4.0	0.70
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.88
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	1.0

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg

Project Name: 285 NIAGARA ST**Lab Number:** L1300502**Project Number:** 0236-001-101**Report Date:** 01/15/13**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 01/15/13 09:10

Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG584869-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	82		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	96		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285 NIAGARA ST

Project Number: 0236-001-101

Lab Number: L1300502

Report Date: 01/15/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05-09 Batch: WG584712-1 WG584712-2								
Methylene chloride	102		101		70-130	1		30
1,1-Dichloroethane	88		86		70-130	2		30
Chloroform	92		89		70-130	3		30
Carbon tetrachloride	84		82		70-130	2		30
1,2-Dichloropropane	93		91		70-130	2		30
Dibromochloromethane	90		91		70-130	1		30
2-Chloroethylvinyl ether	93		91			2		30
1,1,2-Trichloroethane	99		102		70-130	3		30
Tetrachloroethene	91		89		70-130	2		30
Chlorobenzene	92		91		70-130	1		30
Trichlorofluoromethane	90		85		70-139	6		30
1,2-Dichloroethane	82		82		70-130	0		30
1,1,1-Trichloroethane	86		81		70-130	6		30
Bromodichloromethane	92		90		70-130	2		30
trans-1,3-Dichloropropene	90		91		70-130	1		30
cis-1,3-Dichloropropene	98		97		70-130	1		30
1,1-Dichloropropene	93		89		70-130	4		30
Bromoform	87		88		70-130	1		30
1,1,2,2-Tetrachloroethane	96		98		70-130	2		30
Benzene	97		94		70-130	3		30
Toluene	90		89		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285 NIAGARA ST

Project Number: 0236-001-101

Lab Number: L1300502

Report Date: 01/15/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05-09 Batch: WG584712-1 WG584712-2								
Ethylbenzene	88		88		70-130	0		30
Chloromethane	83		80		52-130	4		30
Bromomethane	117		111		57-147	5		30
Vinyl chloride	109		104		67-130	5		30
Chloroethane	123		117		50-151	5		30
1,1-Dichloroethene	99		98		65-135	1		30
trans-1,2-Dichloroethene	97		95		70-130	2		30
Trichloroethene	95		92		70-130	3		30
1,2-Dichlorobenzene	91		91		70-130	0		30
1,3-Dichlorobenzene	89		88		70-130	1		30
1,4-Dichlorobenzene	90		88		70-130	2		30
Methyl tert butyl ether	96		97		66-130	1		30
p/m-Xylene	91		90		70-130	1		30
o-Xylene	92		91		70-130	1		30
cis-1,2-Dichloroethene	100		98		70-130	2		30
Dibromomethane	101		100		70-130	1		30
Styrene	94		94		70-130	0		30
Dichlorodifluoromethane	99		94		30-146	5		30
Acetone	89		79		54-140	12		30
Carbon disulfide	97		93		59-130	4		30
2-Butanone	89		82		70-130	8		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 285 NIAGARA ST

Project Number: 0236-001-101

Lab Number: L1300502

Report Date: 01/15/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05-09 Batch: WG584712-1 WG584712-2								
Vinyl acetate	80		81		70-130	1		30
4-Methyl-2-pentanone	86		89		70-130	3		30
1,2,3-Trichloropropane	91		88		68-130	3		30
2-Hexanone	76		74		70-130	3		30
Bromochloromethane	105		104		70-130	1		30
2,2-Dichloropropane	85		82		70-130	4		30
1,2-Dibromoethane	96		97		70-130	1		30
1,3-Dichloropropane	94		95		69-130	1		30
1,1,1,2-Tetrachloroethane	90		89		70-130	1		30
Bromobenzene	90		88		70-130	2		30
n-Butylbenzene	89		86		70-130	3		30
sec-Butylbenzene	88		85		70-130	3		30
tert-Butylbenzene	87		84		70-130	4		30
o-Chlorotoluene	86		84		70-130	2		30
p-Chlorotoluene	87		86		70-130	1		30
1,2-Dibromo-3-chloropropane	79		83		68-130	5		30
Hexachlorobutadiene	85		83		67-130	2		30
Isopropylbenzene	86		83		70-130	4		30
p-Isopropyltoluene	88		86		70-130	2		30
Naphthalene	90		93		70-130	3		30
Acrylonitrile	88		90		70-130	2		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 285 NIAGARA ST

Project Number: 0236-001-101

Lab Number: L1300502

Report Date: 01/15/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05-09 Batch: WG584712-1 WG584712-2								
Isopropyl Ether	76		76		66-130	0		30
tert-Butyl Alcohol	88		88		70-130	0		30
n-Propylbenzene	87		85		70-130	2		30
1,2,3-Trichlorobenzene	91		90		70-130	1		30
1,2,4-Trichlorobenzene	91		93		70-130	2		30
1,3,5-Trimethylbenzene	87		85		70-130	2		30
1,2,4-Trimethylbenzene	89		87		70-130	2		30
Methyl Acetate	77		78		70-130	1		30
Ethyl Acetate	76		83		70-130	9		30
Acrolein	97		100		70-130	3		30
Cyclohexane	83		79		70-130	5		30
1,4-Dioxane	103		108		65-136	5		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	100		97		70-130	3		30
1,4-Diethylbenzene	90		88		70-130	2		30
4-Ethyltoluene	87		85		70-130	2		30
1,2,4,5-Tetramethylbenzene	91		91		70-130	0		30
Tetrahydrofuran	78		80		66-130	3		30
Ethyl ether	103		109		67-130	6		30
trans-1,4-Dichloro-2-butene	78		79		70-130	1		30
Methyl cyclohexane	100		95		70-130	5		30
Ethyl-Tert-Butyl-Ether	88		88		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285 NIAGARA ST

Project Number: 0236-001-101

Lab Number: L1300502

Report Date: 01/15/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05-09 Batch: WG584712-1 WG584712-2								
Tertiary-Amyl Methyl Ether	98		97		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	81		80		70-130
Toluene-d8	96		97		70-130
4-Bromofluorobenzene	97		95		70-130
Dibromofluoromethane	96		95		70-130

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG584869-1 WG584869-2								
Methylene chloride	110		105		70-130	5		30
1,1-Dichloroethane	98		88		70-130	11		30
Chloroform	102		94		70-130	8		30
Carbon tetrachloride	98		82		70-130	18		30
1,2-Dichloropropane	100		95		70-130	5		30
Dibromochloromethane	93		92		70-130	1		30
2-Chloroethylvinyl ether	100		95			5		30
1,1,2-Trichloroethane	101		101		70-130	0		30
Tetrachloroethene	101		86		70-130	16		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 285 NIAGARA ST

Project Number: 0236-001-101

Lab Number: L1300502

Report Date: 01/15/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG584869-1 WG584869-2								
Chlorobenzene	99		92		70-130	7		30
Trichlorofluoromethane	107		87		70-139	21		30
1,2-Dichloroethane	88		87		70-130	1		30
1,1,1-Trichloroethane	98		85		70-130	14		30
Bromodichloromethane	98		96		70-130	2		30
trans-1,3-Dichloropropene	93		91		70-130	2		30
cis-1,3-Dichloropropene	104		101		70-130	3		30
1,1-Dichloropropene	108		91		70-130	17		30
Bromoform	87		87		70-130	0		30
1,1,2,2-Tetrachloroethane	94		98		70-130	4		30
Benzene	108		97		70-130	11		30
Toluene	99		88		70-130	12		30
Ethylbenzene	98		88		70-130	11		30
Chloromethane	95		80		52-130	17		30
Bromomethane	137		114		57-147	18		30
Vinyl chloride	128		104		67-130	21		30
Chloroethane	119		117		50-151	2		30
1,1-Dichloroethene	117		98		65-135	18		30
trans-1,2-Dichloroethene	110		98		70-130	12		30
Trichloroethene	108		95		70-130	13		30
1,2-Dichlorobenzene	94		91		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285 NIAGARA ST

Project Number: 0236-001-101

Lab Number: L1300502

Report Date: 01/15/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG584869-1 WG584869-2								
1,3-Dichlorobenzene	95		90		70-130	5		30
1,4-Dichlorobenzene	93		90		70-130	3		30
Methyl tert butyl ether	100		101		66-130	1		30
p/m-Xylene	101		89		70-130	13		30
o-Xylene	100		92		70-130	8		30
cis-1,2-Dichloroethene	111		101		70-130	9		30
Dibromomethane	106		106		70-130	0		30
Styrene	102		95		70-130	7		30
Dichlorodifluoromethane	115		94		30-146	20		30
Acetone	118		74		54-140	46	Q	30
Carbon disulfide	112		95		59-130	16		30
2-Butanone	112		83		70-130	30		30
Vinyl acetate	83		86		70-130	4		30
4-Methyl-2-pentanone	90		95		70-130	5		30
1,2,3-Trichloropropane	90		94		68-130	4		30
2-Hexanone	91		72		70-130	23		30
Bromochloromethane	113		110		70-130	3		30
2,2-Dichloropropane	99		85		70-130	15		30
1,2-Dibromoethane	97		98		70-130	1		30
1,3-Dichloropropane	96		96		69-130	0		30
1,1,1,2-Tetrachloroethane	95		90		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285 NIAGARA ST

Project Number: 0236-001-101

Lab Number: L1300502

Report Date: 01/15/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG584869-1 WG584869-2								
Bromobenzene	93		90		70-130	3		30
n-Butylbenzene	96		85		70-130	12		30
sec-Butylbenzene	97		85		70-130	13		30
tert-Butylbenzene	94		85		70-130	10		30
o-Chlorotoluene	92		85		70-130	8		30
p-Chlorotoluene	93		86		70-130	8		30
1,2-Dibromo-3-chloropropane	67	Q	82		68-130	20		30
Hexachlorobutadiene	93		82		67-130	13		30
Isopropylbenzene	94		83		70-130	12		30
p-Isopropyltoluene	97		86		70-130	12		30
Naphthalene	86		90		70-130	5		30
Acrylonitrile	89		93		70-130	4		30
Isopropyl Ether	82		79		66-130	4		30
tert-Butyl Alcohol	93		92		70-130	1		30
n-Propylbenzene	94		84		70-130	11		30
1,2,3-Trichlorobenzene	90		91		70-130	1		30
1,2,4-Trichlorobenzene	93		90		70-130	3		30
1,3,5-Trimethylbenzene	94		84		70-130	11		30
1,2,4-Trimethylbenzene	94		87		70-130	8		30
Methyl Acetate	79		82		70-130	4		30
Ethyl Acetate	83		86		70-130	4		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 285 NIAGARA ST

Project Number: 0236-001-101

Lab Number: L1300502

Report Date: 01/15/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG584869-1 WG584869-2								
Acrolein	100		103		70-130	3		30
Cyclohexane	98		80		70-130	20		30
1,4-Dioxane	103		118		65-136	14		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	119		99		70-130	18		30
1,4-Diethylbenzene	97		86		70-130	12		30
4-Ethyltoluene	95		85		70-130	11		30
1,2,4,5-Tetramethylbenzene	96		88		70-130	9		30
Tetrahydrofuran	79		82		66-130	4		30
Ethyl ether	112		116		67-130	4		30
trans-1,4-Dichloro-2-butene	75		79		70-130	5		30
Methyl cyclohexane	118		96		70-130	21		30
Ethyl-Tert-Butyl-Ether	93		92		70-130	1		30
Tertiary-Amyl Methyl Ether	102		102		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	81		81		70-130
Toluene-d8	95		95		70-130
4-Bromofluorobenzene	95		96		70-130
Dibromofluoromethane	98		96		70-130

INORGANICS & MISCELLANEOUS

Project Name: 285 NIAGARA ST**Project Number:** 0236-001-101**Lab Number:** L1300502**Report Date:** 01/15/13**SAMPLE RESULTS****Lab ID:** L1300502-01**Client ID:** SW-22**Sample Location:** 285 NIAGARA ST**Matrix:** Soil**Date Collected:** 01/09/13 10:00**Date Received:** 01/09/13**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84		%	0.10	NA	1	-	01/14/13 12:02	30,2540G	SD



Project Name: 285 NIAGARA ST

Project Number: 0236-001-101

Lab Number: L1300502

Report Date: 01/15/13

SAMPLE RESULTS

Lab ID: L1300502-02

Client ID: SW-23

Sample Location: 285 NIAGARA ST

Matrix: Soil

Date Collected: 01/09/13 10:15

Date Received: 01/09/13

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		%	0.10	NA	1	-	01/14/13 12:02	30,2540G	SD



Project Name: 285 NIAGARA ST

Project Number: 0236-001-101

Lab Number: L1300502

Report Date: 01/15/13

SAMPLE RESULTS

Lab ID: L1300502-03

Client ID: BOTTOM 8

Sample Location: 285 NIAGARA ST

Matrix: Soil

Date Collected: 01/09/13 10:20

Date Received: 01/09/13

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		%	0.10	NA	1	-	01/14/13 12:02	30,2540G	SD



Project Name: 285 NIAGARA ST**Project Number:** 0236-001-101**Lab Number:** L1300502**Report Date:** 01/15/13**SAMPLE RESULTS****Lab ID:** L1300502-04**Client ID:** SW-24**Sample Location:** 285 NIAGARA ST**Matrix:** Soil**Date Collected:** 01/09/13 11:30**Date Received:** 01/09/13**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84		%	0.10	NA	1	-	01/14/13 12:02	30,2540G	SD



Project Name: 285 NIAGARA ST**Project Number:** 0236-001-101**Lab Number:** L1300502**Report Date:** 01/15/13**SAMPLE RESULTS****Lab ID:** L1300502-05**Client ID:** SW-25**Sample Location:** 285 NIAGARA ST**Matrix:** Soil**Date Collected:** 01/09/13 11:40**Date Received:** 01/09/13**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		%	0.10	NA	1	-	01/14/13 12:02	30,2540G	SD



Project Name: 285 NIAGARA ST**Project Number:** 0236-001-101**Lab Number:** L1300502**Report Date:** 01/15/13**SAMPLE RESULTS****Lab ID:** L1300502-06**Client ID:** BOTTOM 9**Sample Location:** 285 NIAGARA ST**Matrix:** Soil**Date Collected:** 01/09/13 11:45**Date Received:** 01/09/13**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	83		%	0.10	NA	1	-	01/14/13 12:02	30,2540G	SD



Project Name: 285 NIAGARA ST**Project Number:** 0236-001-101**Lab Number:** L1300502**Report Date:** 01/15/13**SAMPLE RESULTS****Lab ID:** L1300502-07**Client ID:** SW-26**Sample Location:** 285 NIAGARA ST**Matrix:** Soil**Date Collected:** 01/09/13 13:50**Date Received:** 01/09/13**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		%	0.10	NA	1	-	01/14/13 12:02	30,2540G	SD



Project Name: 285 NIAGARA ST**Project Number:** 0236-001-101**Lab Number:** L1300502**Report Date:** 01/15/13**SAMPLE RESULTS****Lab ID:** L1300502-08**Client ID:** SW-27**Sample Location:** 285 NIAGARA ST**Matrix:** Soil**Date Collected:** 01/09/13 13:55**Date Received:** 01/09/13**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84		%	0.10	NA	1	-	01/14/13 12:02	30,2540G	SD



Project Name: 285 NIAGARA ST**Project Number:** 0236-001-101**Lab Number:** L1300502**Report Date:** 01/15/13**SAMPLE RESULTS****Lab ID:** L1300502-09**Client ID:** BOTTOM 10**Sample Location:** 285 NIAGARA ST**Matrix:** Soil**Date Collected:** 01/09/13 14:00**Date Received:** 01/09/13**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84		%	0.10	NA	1	-	01/14/13 12:02	30,2540G	SD



Project Name: 285 NIAGARA ST
Project Number: 0236-001-101

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L1300502
Report Date: 01/15/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG584591-1 QC Sample: L1300502-01 Client ID: SW-22						
Solids, Total	84.	83	%	1		20

Project Name: 285 NIAGARA ST

Project Number: 0236-001-101

Lab Number: L1300502

Report Date: 01/15/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1300502-01A	Vial Large unpreserved	A	N/A	3	Y	Absent	TS(7),NYTCL-8260(14)
L1300502-02A	Vial Large unpreserved	A	N/A	3	Y	Absent	TS(7),NYTCL-8260(14)
L1300502-03A	Vial Large unpreserved	A	N/A	3	Y	Absent	TS(7),NYTCL-8260(14)
L1300502-04A	Vial Large unpreserved	A	N/A	3	Y	Absent	TS(7),NYTCL-8260(14)
L1300502-05A	Vial Large unpreserved	A	N/A	3	Y	Absent	TS(7),NYTCL-8260(14)
L1300502-06A	Vial Large unpreserved	A	N/A	3	Y	Absent	TS(7),NYTCL-8260(14)
L1300502-07A	Vial Large unpreserved	A	N/A	3	Y	Absent	TS(7),NYTCL-8260(14)
L1300502-08A	Vial Large unpreserved	A	N/A	3	Y	Absent	TS(7),NYTCL-8260(14)
L1300502-09A	Vial Large unpreserved	A	N/A	3	Y	Absent	TS(7),NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 285 NIAGARA ST
Project Number: 0236-001-101

Lab Number: L1300502
Report Date: 01/15/13

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

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

Terms

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 five times (5x) 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.
- 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 RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers



Project Name: 285 NIAGARA ST
Project Number: 0236-001-101

Lab Number: L1300502
Report Date: 01/15/13

Data Qualifiers

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.
- 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: 285 NIAGARA ST
Project Number: 0236-001-101

Lab Number: L1300502
Report Date: 01/15/13

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.
- 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.



Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. **NELAP Accredited Solid Waste/Soil.**

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.

Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.

Drinking Water (Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; Colilert/QT SM9223B; MF-SM9222D.)

Non-Potable Water (Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: 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-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. *Microbiology Parameters:* (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. *Organic Parameters:* 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. *Organic Parameters:* SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. *Organic Parameters:* SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. *Organic Parameters:* EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500CI-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. *Organic Parameters:* SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. *Organic Parameters:* SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. *Organic Parameters:* EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. *Organic Parameters:* EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. *Organic Parameters:* EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500CI-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311, 1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. **NELAP Accredited.**

Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A, 3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P, BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500CI-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. **NELAP Accredited via NJ-DEP.**

Refer to MA-DEP Certificate for Potable and Non-Potable Water.

Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisison on Environmental Quality Certificate/Lab ID: T104704476. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S²⁻D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. **NELAP Accredited.**

Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CI-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.

Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:

EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methyl naphthalenes, Total Dimethyl naphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO₂ in a soil matrix, NO₃ in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.



ANALYTICAL REPORT

Lab Number:	L1300658
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Mike Lesakowski
Phone:	(716) 856-0599
Project Name:	285 NIAGARA ST
Project Number:	0236-001-101
Report Date:	01/17/13

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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), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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



Project Name: 285 NIAGARA ST
Project Number: 0236-001-101

Lab Number: L1300658
Report Date: 01/17/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1300658-01	SW-28	285 NIAGARA ST	01/10/13 08:45
L1300658-02	BOTTOM 11	285 NIAGARA ST	01/10/13 09:15
L1300658-03	SW-29	285 NIAGARA ST	01/10/13 10:00
L1300658-04	SW-30	285 NIAGARA ST	01/10/13 10:15
L1300658-05	SW-31	285 NIAGARA ST	01/10/13 11:00
L1300658-06	SW-32	285 NIAGARA ST	01/10/13 13:00
L1300658-07	BOTTOM 12	285 NIAGARA ST	01/10/13 13:30

Project Name: 285 NIAGARA ST
Project Number: 0236-001-101

Lab Number: L1300658
Report Date: 01/17/13

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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 free of charge for 30 days from the date the project is completed. After 30 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.

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

Project Name: 285 NIAGARA ST
Project Number: 0236-001-101

Lab Number: L1300658
Report Date: 01/17/13

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 surrogate recoveries for L1300658-03 and -06 are below the acceptance criteria for Dibromofluoromethane (59% and 51%, respectively), due to a known matrix effect caused by the high pH of the sample (>10).

The WG584875-4/-5 MS/MSD recoveries, performed on L1300658-07, were outside the acceptance criteria for Acetone (194%/179%), Carbon tetrachloride (68%/58%), Dibromochloromethane (62%/56%), 1,1,2-Trichloroethane (MSD at 68%), Tetrachloroethene (53%/45%), Chlorobenzene (51%/44%), Bromodichloromethane (MSD at 63%), trans-1,3-Dichloropropene (45%/50%), cis-1,3-Dichloropropene (62%/56%), 1,1-Dichloropropene (64%/58%), Bromoform (55%/50%), 1,1,2,2-Tetrachloroethane (61%/57%), Toluene (65%/58%), Ethylbenzene (56%/48%), trans-1,2-Dichloroethene (MSD at 66%), Trichloroethene (64%/57%), 1,2-Dichlorobenzene (37%/31%), 1,3-Dichlorobenzene (37%/30%), 1,4-Dichlorobenzene (36%/29%), p/m-Xylene (53%/45%), o-Xylene (56%/48%), cis-1,2-Dichloroethene (MSD at 68%), Dibromomethane (MSD at 68%), Styrene (48%/41%), 1,2,3-Trichloropropane (MSD at 63%), 1,2-Dibromoethane (61%/54%), 1,3-Dichloropropane (68%/63%), 1,1,1,2-Tetrachloroethane (66%/61%), Bromobenzene (44%/38%), n-Butylbenzene (42%/31%), sec-Butylbenzene (49%/38%), tert-Butylbenzene (53%/43%), o-Chlorotoluene (50%/42%), p-Chlorotoluene (44%/36%), 1,2-Dibromo-3-chloropropane (47%/42%), Hexachlorobutadiene (35%/24%), Isopropylbenzene (52%/43%), p-Isopropyltoluene (45%/35%), Naphthalene (26%/22%), n-Propylbenzene (50%/40%), 1,2,3-Trichlorobenzene (25%/19%), 1,2,4-Trichlorobenzene (18%/24%), 1,3,5-Trimethylbenzene (41%/50%), 1,2,4-Trimethylbenzene (48%/39%), 1,4-Diethylbenzene (42%/31%), 4-Ethyltoluene (48%/39%), 1,2,4,5-Tetramethylbenzene (38%/29%), and trans-1,4-Dichloro-2-butene (44%/36%).

The WG584875-4/-5 MS/MSD RPDs, performed on L1300658-07, are above the acceptance criteria for n-Butylbenzene (32%), Hexachlorobutadiene (39%), and 1,4-Diethylbenzene (31%).

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:  Cynthia McQueen

Title: Technical Director/Representative

Date: 01/17/13

ORGANICS

VOLATILES

Project Name: 285 NIAGARA ST**Lab Number:** L1300658**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300658-01
Client ID: SW-28
Sample Location: 285 NIAGARA ST
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/14/13 12:43
Analyst: BN
Percent Solids: 84%

Date Collected: 01/10/13 08:45
Date Received: 01/11/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	4.2	J	ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.35	1
Chloroform	ND		ug/kg	1.8	0.39	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.2	0.30	1
Dibromochloromethane	ND		ug/kg	1.2	0.37	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.47	1
Tetrachloroethene	ND		ug/kg	1.2	0.36	1
Chlorobenzene	ND		ug/kg	1.2	0.22	1
Trichlorofluoromethane	ND		ug/kg	6.0	0.46	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.32	1
Bromodichloromethane	ND		ug/kg	1.2	0.46	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.36	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
1,1-Dichloropropene	ND		ug/kg	6.0	0.54	1
Bromoform	ND		ug/kg	4.8	0.59	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.28	1
Benzene	ND		ug/kg	1.2	0.35	1
Toluene	11		ug/kg	1.8	0.29	1
Ethylbenzene	22		ug/kg	1.2	0.26	1
Chloromethane	ND		ug/kg	6.0	0.93	1
Bromomethane	ND		ug/kg	2.4	0.77	1
Vinyl chloride	ND		ug/kg	2.4	0.90	1
Chloroethane	ND		ug/kg	2.4	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.47	1
Trichloroethene	ND		ug/kg	1.2	0.27	1
1,2-Dichlorobenzene	ND		ug/kg	6.0	0.43	1
1,3-Dichlorobenzene	ND		ug/kg	6.0	0.48	1
1,4-Dichlorobenzene	ND		ug/kg	6.0	0.50	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300658**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300658-01
 Client ID: SW-28
 Sample Location: 285 NIAGARA ST

Date Collected: 01/10/13 08:45
 Date Received: 01/11/13
 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	2.4	0.58	1
p/m-Xylene	71		ug/kg	2.4	0.51	1
o-Xylene	23		ug/kg	2.4	0.50	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.36	1
Dibromomethane	ND		ug/kg	12	0.52	1
Styrene	ND		ug/kg	2.4	0.86	1
Dichlorodifluoromethane	ND		ug/kg	12	0.46	1
Acetone	27		ug/kg	12	3.8	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	ND		ug/kg	12	4.6	1
Vinyl acetate	ND		ug/kg	12	0.89	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.97	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.46	1
2-Hexanone	ND		ug/kg	12	0.47	1
Bromochloromethane	ND		ug/kg	6.0	0.36	1
2,2-Dichloropropane	ND		ug/kg	6.0	0.95	1
1,2-Dibromoethane	ND		ug/kg	4.8	0.49	1
1,3-Dichloropropane	ND		ug/kg	6.0	0.67	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.39	1
Bromobenzene	ND		ug/kg	6.0	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.37	1
sec-Butylbenzene	1.1	J	ug/kg	1.2	0.33	1
tert-Butylbenzene	ND		ug/kg	6.0	0.72	1
o-Chlorotoluene	ND		ug/kg	6.0	0.37	1
p-Chlorotoluene	ND		ug/kg	6.0	0.43	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.0	1.0	1
Hexachlorobutadiene	ND		ug/kg	6.0	0.54	1
Isopropylbenzene	2.4		ug/kg	1.2	0.21	1
p-Isopropyltoluene	0.77	J	ug/kg	1.2	0.32	1
Naphthalene	26		ug/kg	6.0	0.92	1
Acrylonitrile	ND		ug/kg	12	0.45	1
n-Propylbenzene	14		ug/kg	1.2	0.34	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.0	0.48	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.0	0.94	1
1,3,5-Trimethylbenzene	34		ug/kg	6.0	0.72	1
1,2,4-Trimethylbenzene	120		ug/kg	6.0	0.68	1
1,4-Dioxane	ND		ug/kg	120	21.	1
1,4-Diethylbenzene	27		ug/kg	4.8	0.24	1
4-Ethyltoluene	75		ug/kg	4.8	0.12	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300658**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300658-01
 Client ID: SW-28
 Sample Location: 285 NIAGARA ST

Date Collected: 01/10/13 08:45
 Date Received: 01/11/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

1,2,4,5-Tetramethylbenzene	14		ug/kg	4.8	0.22	1
Ethyl ether	ND		ug/kg	6.0	0.45	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.0	1.8	1

Tentatively Identified Compounds

Butane, 2-methyl-	19	NJ	ug/kg			1
Pentane, 2-methyl-	36	NJ	ug/kg			1
Pentane, 3-methyl-	23	NJ	ug/kg			1
Hexane	25	NJ	ug/kg			1
Cyclopentane, methyl-	29	NJ	ug/kg			1
Unknown	24	J	ug/kg			1
Unknown Benzene	14	J	ug/kg			1
Benzene, 1-methyl-3-propyl-	12	NJ	ug/kg			1
Unknown Benzene	12	J	ug/kg			1
Unknown Cycloaromatic	10	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	85		70-130
Toluene-d8	79		70-130
4-Bromofluorobenzene	79		70-130
Dibromofluoromethane	76		70-130

Project Name: 285 NIAGARA ST**Lab Number:** L1300658**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300658-02
Client ID: BOTTOM 11
Sample Location: 285 NIAGARA ST
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/14/13 13:16
Analyst: BN
Percent Solids: 81%

Date Collected: 01/10/13 09:15
Date Received: 01/11/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	5.0	J	ug/kg	12	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.36	1
Chloroform	ND		ug/kg	1.8	0.40	1
Carbon tetrachloride	ND		ug/kg	1.2	0.26	1
1,2-Dichloropropane	ND		ug/kg	4.3	0.31	1
Dibromochloromethane	ND		ug/kg	1.2	0.38	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.48	1
Tetrachloroethene	ND		ug/kg	1.2	0.38	1
Chlorobenzene	ND		ug/kg	1.2	0.23	1
Trichlorofluoromethane	ND		ug/kg	6.2	0.48	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.33	1
Bromodichloromethane	ND		ug/kg	1.2	0.48	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.37	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.33	1
1,1-Dichloropropene	ND		ug/kg	6.2	0.56	1
Bromoform	ND		ug/kg	4.9	0.61	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.30	1
Benzene	2.1		ug/kg	1.2	0.37	1
Toluene	4.4		ug/kg	1.8	0.30	1
Ethylbenzene	9.0		ug/kg	1.2	0.27	1
Chloromethane	ND		ug/kg	6.2	0.97	1
Bromomethane	ND		ug/kg	2.5	0.80	1
Vinyl chloride	ND		ug/kg	2.5	0.93	1
Chloroethane	ND		ug/kg	2.5	0.54	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.48	1
Trichloroethene	ND		ug/kg	1.2	0.28	1
1,2-Dichlorobenzene	ND		ug/kg	6.2	0.45	1
1,3-Dichlorobenzene	ND		ug/kg	6.2	0.49	1
1,4-Dichlorobenzene	ND		ug/kg	6.2	0.52	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300658**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300658-02
 Client ID: BOTTOM 11
 Sample Location: 285 NIAGARA ST

Date Collected: 01/10/13 09:15
 Date Received: 01/11/13
 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	2.5	0.60	1
p/m-Xylene	46		ug/kg	2.5	0.53	1
o-Xylene	7.3		ug/kg	2.5	0.52	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.37	1
Dibromomethane	ND		ug/kg	12	0.54	1
Styrene	ND		ug/kg	2.5	0.90	1
Dichlorodifluoromethane	ND		ug/kg	12	0.48	1
Acetone	18		ug/kg	12	4.0	1
Carbon disulfide	ND		ug/kg	12	2.5	1
2-Butanone	ND		ug/kg	12	4.8	1
Vinyl acetate	ND		ug/kg	12	0.93	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.0	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.48	1
2-Hexanone	1.9	J	ug/kg	12	0.49	1
Bromochloromethane	ND		ug/kg	6.2	0.37	1
2,2-Dichloropropane	ND		ug/kg	6.2	0.98	1
1,2-Dibromoethane	ND		ug/kg	4.9	0.50	1
1,3-Dichloropropane	ND		ug/kg	6.2	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.40	1
Bromobenzene	ND		ug/kg	6.2	0.27	1
n-Butylbenzene	ND		ug/kg	1.2	0.39	1
sec-Butylbenzene	0.34	J	ug/kg	1.2	0.34	1
tert-Butylbenzene	ND		ug/kg	6.2	0.74	1
o-Chlorotoluene	ND		ug/kg	6.2	0.39	1
p-Chlorotoluene	ND		ug/kg	6.2	0.44	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.2	1.0	1
Hexachlorobutadiene	ND		ug/kg	6.2	0.56	1
Isopropylbenzene	4.1		ug/kg	1.2	0.22	1
p-Isopropyltoluene	0.73	J	ug/kg	1.2	0.34	1
Naphthalene	17		ug/kg	6.2	0.95	1
Acrylonitrile	ND		ug/kg	12	0.46	1
n-Propylbenzene	4.5		ug/kg	1.2	0.35	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.2	0.50	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.2	0.98	1
1,3,5-Trimethylbenzene	36		ug/kg	6.2	0.74	1
1,2,4-Trimethylbenzene	7.4		ug/kg	6.2	0.71	1
1,4-Dioxane	ND		ug/kg	120	21.	1
1,4-Diethylbenzene	1.4	J	ug/kg	4.9	0.25	1
4-Ethyltoluene	60		ug/kg	4.9	0.12	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300658**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300658-02
 Client ID: BOTTOM 11
 Sample Location: 285 NIAGARA ST

Date Collected: 01/10/13 09:15
 Date Received: 01/11/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	6.4		ug/kg	4.9	0.22	1
Ethyl ether	ND		ug/kg	6.2	0.47	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.2	1.8	1

Tentatively Identified Compounds

Butane, 2-methyl-	38	NJ	ug/kg			1
Pentane	35	NJ	ug/kg			1
Pentane, 2-methyl-	100	NJ	ug/kg			1
Pentane, 3-methyl-	60	NJ	ug/kg			1
Hexane	73	NJ	ug/kg			1
Cyclopentane, methyl-	65	NJ	ug/kg			1
Unknown Cycloalkane	23	J	ug/kg			1
Unknown Cycloaromatic	54	J	ug/kg			1
Indane	99	NJ	ug/kg			1
Unknown Cycloaromatic	26	J	ug/kg			1
Unknown Cycloaromatic	39	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	84		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	83		70-130

Project Name: 285 NIAGARA ST**Lab Number:** L1300658**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300658-03
Client ID: SW-29
Sample Location: 285 NIAGARA ST
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/14/13 13:51
Analyst: BN
Percent Solids: 89%

Date Collected: 01/10/13 10:00
Date Received: 01/11/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	2.8	J	ug/kg	11	2.2	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.33	1
Chloroform	ND		ug/kg	1.7	0.36	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
1,2-Dichloropropane	ND		ug/kg	3.9	0.29	1
Dibromochloromethane	ND		ug/kg	1.1	0.34	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.44	1
Tetrachloroethene	ND		ug/kg	1.1	0.34	1
Chlorobenzene	ND		ug/kg	1.1	0.21	1
Trichlorofluoromethane	ND		ug/kg	5.6	0.44	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.30	1
Bromodichloromethane	ND		ug/kg	1.1	0.43	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.34	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
1,1-Dichloropropene	ND		ug/kg	5.6	0.51	1
Bromoform	ND		ug/kg	4.5	0.56	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.27	1
Benzene	ND		ug/kg	1.1	0.33	1
Toluene	ND		ug/kg	1.7	0.27	1
Ethylbenzene	ND		ug/kg	1.1	0.25	1
Chloromethane	ND		ug/kg	5.6	0.88	1
Bromomethane	ND		ug/kg	2.2	0.73	1
Vinyl chloride	ND		ug/kg	2.2	0.85	1
Chloroethane	ND		ug/kg	2.2	0.49	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.44	1
Trichloroethene	ND		ug/kg	1.1	0.25	1
1,2-Dichlorobenzene	ND		ug/kg	5.6	0.41	1
1,3-Dichlorobenzene	ND		ug/kg	5.6	0.45	1
1,4-Dichlorobenzene	ND		ug/kg	5.6	0.47	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300658**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300658-03

Date Collected: 01/10/13 10:00

Client ID: SW-29

Date Received: 01/11/13

Sample Location: 285 NIAGARA ST

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	2.2	0.55	1
p/m-Xylene	0.58	J	ug/kg	2.2	0.48	1
o-Xylene	ND		ug/kg	2.2	0.47	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.34	1
Dibromomethane	ND		ug/kg	11	0.49	1
Styrene	ND		ug/kg	2.2	0.82	1
Dichlorodifluoromethane	ND		ug/kg	11	0.44	1
Acetone	4.6	J	ug/kg	11	3.6	1
Carbon disulfide	ND		ug/kg	11	2.2	1
2-Butanone	ND		ug/kg	11	4.4	1
Vinyl acetate	ND		ug/kg	11	0.84	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.92	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.43	1
2-Hexanone	ND		ug/kg	11	0.44	1
Bromochloromethane	ND		ug/kg	5.6	0.34	1
2,2-Dichloropropane	ND		ug/kg	5.6	0.89	1
1,2-Dibromoethane	ND		ug/kg	4.5	0.46	1
1,3-Dichloropropane	ND		ug/kg	5.6	0.64	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.37	1
Bromobenzene	ND		ug/kg	5.6	0.25	1
n-Butylbenzene	ND		ug/kg	1.1	0.35	1
sec-Butylbenzene	ND		ug/kg	1.1	0.31	1
tert-Butylbenzene	ND		ug/kg	5.6	0.68	1
o-Chlorotoluene	ND		ug/kg	5.6	0.35	1
p-Chlorotoluene	ND		ug/kg	5.6	0.40	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.6	0.94	1
Hexachlorobutadiene	ND		ug/kg	5.6	0.51	1
Isopropylbenzene	ND		ug/kg	1.1	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.31	1
Naphthalene	ND		ug/kg	5.6	0.86	1
Acrylonitrile	ND		ug/kg	11	0.42	1
n-Propylbenzene	ND		ug/kg	1.1	0.32	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.6	0.45	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.6	0.89	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.6	0.68	1
1,2,4-Trimethylbenzene	0.65	J	ug/kg	5.6	0.64	1
1,4-Dioxane	ND		ug/kg	110	20.	1
1,4-Diethylbenzene	0.43	J	ug/kg	4.5	0.22	1
4-Ethyltoluene	0.59	J	ug/kg	4.5	0.11	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300658**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300658-03
 Client ID: SW-29
 Sample Location: 285 NIAGARA ST

Date Collected: 01/10/13 10:00
 Date Received: 01/11/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

1,2,4,5-Tetramethylbenzene	0.28	J	ug/kg	4.5	0.20	1
Ethyl ether	ND		ug/kg	5.6	0.43	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.6	1.7	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	80		70-130
4-Bromofluorobenzene	80		70-130
Dibromofluoromethane	59	Q	70-130

Project Name: 285 NIAGARA ST**Lab Number:** L1300658**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300658-04
Client ID: SW-30
Sample Location: 285 NIAGARA ST
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/14/13 14:27
Analyst: BN
Percent Solids: 81%

Date Collected: 01/10/13 10:15
Date Received: 01/11/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	3.3	J	ug/kg	12	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.36	1
Chloroform	ND		ug/kg	1.8	0.40	1
Carbon tetrachloride	ND		ug/kg	1.2	0.26	1
1,2-Dichloropropane	ND		ug/kg	4.3	0.31	1
Dibromochloromethane	ND		ug/kg	1.2	0.38	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.48	1
Tetrachloroethene	ND		ug/kg	1.2	0.38	1
Chlorobenzene	ND		ug/kg	1.2	0.23	1
Trichlorofluoromethane	ND		ug/kg	6.2	0.48	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.33	1
Bromodichloromethane	ND		ug/kg	1.2	0.48	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.37	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.33	1
1,1-Dichloropropene	ND		ug/kg	6.2	0.56	1
Bromoform	ND		ug/kg	4.9	0.61	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.30	1
Benzene	ND		ug/kg	1.2	0.37	1
Toluene	1.1	J	ug/kg	1.8	0.30	1
Ethylbenzene	4.3		ug/kg	1.2	0.27	1
Chloromethane	ND		ug/kg	6.2	0.97	1
Bromomethane	ND		ug/kg	2.5	0.80	1
Vinyl chloride	ND		ug/kg	2.5	0.93	1
Chloroethane	ND		ug/kg	2.5	0.54	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.48	1
Trichloroethene	ND		ug/kg	1.2	0.28	1
1,2-Dichlorobenzene	ND		ug/kg	6.2	0.45	1
1,3-Dichlorobenzene	ND		ug/kg	6.2	0.49	1
1,4-Dichlorobenzene	ND		ug/kg	6.2	0.52	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300658**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300658-04

Date Collected: 01/10/13 10:15

Client ID: SW-30

Date Received: 01/11/13

Sample Location: 285 NIAGARA ST

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	2.5	0.60	1
p/m-Xylene	6.5		ug/kg	2.5	0.53	1
o-Xylene	1.7	J	ug/kg	2.5	0.52	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.37	1
Dibromomethane	ND		ug/kg	12	0.54	1
Styrene	ND		ug/kg	2.5	0.90	1
Dichlorodifluoromethane	ND		ug/kg	12	0.48	1
Acetone	46		ug/kg	12	4.0	1
Carbon disulfide	ND		ug/kg	12	2.5	1
2-Butanone	ND		ug/kg	12	4.8	1
Vinyl acetate	ND		ug/kg	12	0.93	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.0	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.48	1
2-Hexanone	1.3	J	ug/kg	12	0.49	1
Bromochloromethane	ND		ug/kg	6.2	0.37	1
2,2-Dichloropropane	ND		ug/kg	6.2	0.98	1
1,2-Dibromoethane	ND		ug/kg	4.9	0.50	1
1,3-Dichloropropane	ND		ug/kg	6.2	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.40	1
Bromobenzene	ND		ug/kg	6.2	0.27	1
n-Butylbenzene	0.85	J	ug/kg	1.2	0.39	1
sec-Butylbenzene	ND		ug/kg	1.2	0.34	1
tert-Butylbenzene	ND		ug/kg	6.2	0.74	1
o-Chlorotoluene	ND		ug/kg	6.2	0.39	1
p-Chlorotoluene	ND		ug/kg	6.2	0.44	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.2	1.0	1
Hexachlorobutadiene	ND		ug/kg	6.2	0.56	1
Isopropylbenzene	0.54	J	ug/kg	1.2	0.22	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.34	1
Acrylonitrile	ND		ug/kg	12	0.46	1
n-Propylbenzene	3.5		ug/kg	1.2	0.35	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.2	0.50	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.2	0.98	1
1,3,5-Trimethylbenzene	2.7	J	ug/kg	6.2	0.74	1
1,2,4-Trimethylbenzene	22		ug/kg	6.2	0.71	1
1,4-Dioxane	ND		ug/kg	120	21.	1
1,4-Diethylbenzene	2.3	J	ug/kg	4.9	0.25	1
4-Ethyltoluene	9.1		ug/kg	4.9	0.12	1
1,2,4,5-Tetramethylbenzene	4.0	J	ug/kg	4.9	0.22	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300658**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300658-04
 Client ID: SW-30
 Sample Location: 285 NIAGARA ST

Date Collected: 01/10/13 10:15
 Date Received: 01/11/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

Ethyl ether	ND		ug/kg	6.2	0.47	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.2	1.8	1

Tentatively Identified Compounds

Unknown Benzene	11	J	ug/kg			1
Unknown Benzene	8.0	J	ug/kg			1
Unknown	2.6	J	ug/kg			1
Unknown	10	J	ug/kg			1
Unknown Benzene	5.8	J	ug/kg			1
Unknown Cycloaromatic	4.0	J	ug/kg			1
Unknown Benzene	4.2	J	ug/kg			1
Unknown Benzene	3.6	J	ug/kg			1
Unknown Cycloaromatic	4.6	J	ug/kg			1
Unknown Cycloaromatic	8.1	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	85		70-130
Toluene-d8	80		70-130
4-Bromofluorobenzene	79		70-130
Dibromofluoromethane	77		70-130

Project Name: 285 NIAGARA ST**Lab Number:** L1300658**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300658-05
Client ID: SW-31
Sample Location: 285 NIAGARA ST
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/14/13 15:01
Analyst: BN
Percent Solids: 85%

Date Collected: 01/10/13 11:00
Date Received: 01/11/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.35	1
Chloroform	ND		ug/kg	1.8	0.38	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.1	0.30	1
Dibromochloromethane	ND		ug/kg	1.2	0.36	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.46	1
Tetrachloroethene	ND		ug/kg	1.2	0.36	1
Chlorobenzene	ND		ug/kg	1.2	0.22	1
Trichlorofluoromethane	ND		ug/kg	5.9	0.46	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.32	1
Bromodichloromethane	ND		ug/kg	1.2	0.45	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.35	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.31	1
1,1-Dichloropropene	ND		ug/kg	5.9	0.54	1
Bromoform	ND		ug/kg	4.7	0.58	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.28	1
Benzene	0.43	J	ug/kg	1.2	0.35	1
Toluene	ND		ug/kg	1.8	0.28	1
Ethylbenzene	1.1	J	ug/kg	1.2	0.26	1
Chloromethane	ND		ug/kg	5.9	0.92	1
Bromomethane	ND		ug/kg	2.4	0.76	1
Vinyl chloride	ND		ug/kg	2.4	0.89	1
Chloroethane	ND		ug/kg	2.4	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.46	1
Trichloroethene	ND		ug/kg	1.2	0.26	1
1,2-Dichlorobenzene	ND		ug/kg	5.9	0.43	1
1,3-Dichlorobenzene	ND		ug/kg	5.9	0.47	1
1,4-Dichlorobenzene	ND		ug/kg	5.9	0.49	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300658**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300658-05

Date Collected: 01/10/13 11:00

Client ID: SW-31

Date Received: 01/11/13

Sample Location: 285 NIAGARA ST

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	2.4	0.57	1
p/m-Xylene	1.7	J	ug/kg	2.4	0.50	1
o-Xylene	ND		ug/kg	2.4	0.49	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.35	1
Dibromomethane	ND		ug/kg	12	0.51	1
Styrene	ND		ug/kg	2.4	0.85	1
Dichlorodifluoromethane	ND		ug/kg	12	0.46	1
Acetone	ND		ug/kg	12	3.8	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	ND		ug/kg	12	4.6	1
Vinyl acetate	ND		ug/kg	12	0.88	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.96	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.46	1
2-Hexanone	ND		ug/kg	12	0.47	1
Bromochloromethane	ND		ug/kg	5.9	0.36	1
2,2-Dichloropropane	ND		ug/kg	5.9	0.94	1
1,2-Dibromoethane	ND		ug/kg	4.7	0.48	1
1,3-Dichloropropane	ND		ug/kg	5.9	0.66	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.39	1
Bromobenzene	ND		ug/kg	5.9	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.37	1
sec-Butylbenzene	ND		ug/kg	1.2	0.32	1
tert-Butylbenzene	ND		ug/kg	5.9	0.71	1
o-Chlorotoluene	ND		ug/kg	5.9	0.37	1
p-Chlorotoluene	ND		ug/kg	5.9	0.42	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.9	0.98	1
Hexachlorobutadiene	ND		ug/kg	5.9	0.54	1
Isopropylbenzene	ND		ug/kg	1.2	0.21	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.32	1
Naphthalene	ND		ug/kg	5.9	0.90	1
Acrylonitrile	ND		ug/kg	12	0.44	1
n-Propylbenzene	ND		ug/kg	1.2	0.33	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.9	0.47	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.9	0.93	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.9	0.71	1
1,2,4-Trimethylbenzene	2.2	J	ug/kg	5.9	0.67	1
1,4-Dioxane	ND		ug/kg	120	20.	1
1,4-Diethylbenzene	ND		ug/kg	4.7	0.24	1
4-Ethyltoluene	ND		ug/kg	4.7	0.11	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300658**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300658-05
 Client ID: SW-31
 Sample Location: 285 NIAGARA ST

Date Collected: 01/10/13 11:00
 Date Received: 01/11/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.7	0.21	1
Ethyl ether	ND		ug/kg	5.9	0.45	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.9	1.7	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	82		70-130
4-Bromofluorobenzene	82		70-130
Dibromofluoromethane	79		70-130

Project Name: 285 NIAGARA ST**Lab Number:** L1300658**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300658-06
Client ID: SW-32
Sample Location: 285 NIAGARA ST
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/14/13 15:37
Analyst: BN
Percent Solids: 90%

Date Collected: 01/10/13 13:00
Date Received: 01/11/13
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	2.2	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.33	1
Chloroform	ND		ug/kg	1.7	0.36	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
1,2-Dichloropropane	ND		ug/kg	3.9	0.28	1
Dibromochloromethane	ND		ug/kg	1.1	0.34	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.44	1
Tetrachloroethene	ND		ug/kg	1.1	0.34	1
Chlorobenzene	ND		ug/kg	1.1	0.21	1
Trichlorofluoromethane	ND		ug/kg	5.6	0.43	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.30	1
Bromodichloromethane	ND		ug/kg	1.1	0.43	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.33	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
1,1-Dichloropropene	ND		ug/kg	5.6	0.51	1
Bromoform	ND		ug/kg	4.4	0.55	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.27	1
Benzene	ND		ug/kg	1.1	0.33	1
Toluene	0.30	J	ug/kg	1.7	0.27	1
Ethylbenzene	ND		ug/kg	1.1	0.25	1
Chloromethane	ND		ug/kg	5.6	0.87	1
Bromomethane	ND		ug/kg	2.2	0.72	1
Vinyl chloride	ND		ug/kg	2.2	0.84	1
Chloroethane	ND		ug/kg	2.2	0.49	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.44	1
Trichloroethene	ND		ug/kg	1.1	0.25	1
1,2-Dichlorobenzene	ND		ug/kg	5.6	0.40	1
1,3-Dichlorobenzene	ND		ug/kg	5.6	0.44	1
1,4-Dichlorobenzene	ND		ug/kg	5.6	0.47	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300658**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300658-06
 Client ID: SW-32
 Sample Location: 285 NIAGARA ST

Date Collected: 01/10/13 13:00
 Date Received: 01/11/13
 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	2.2	0.54	1
p/m-Xylene	0.55	J	ug/kg	2.2	0.48	1
o-Xylene	ND		ug/kg	2.2	0.46	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.33	1
Dibromomethane	ND		ug/kg	11	0.48	1
Styrene	ND		ug/kg	2.2	0.81	1
Dichlorodifluoromethane	ND		ug/kg	11	0.43	1
Acetone	ND		ug/kg	11	3.6	1
Carbon disulfide	ND		ug/kg	11	2.2	1
2-Butanone	ND		ug/kg	11	4.3	1
Vinyl acetate	ND		ug/kg	11	0.83	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.91	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.43	1
2-Hexanone	ND		ug/kg	11	0.44	1
Bromochloromethane	ND		ug/kg	5.6	0.34	1
2,2-Dichloropropane	ND		ug/kg	5.6	0.88	1
1,2-Dibromoethane	ND		ug/kg	4.4	0.45	1
1,3-Dichloropropane	ND		ug/kg	5.6	0.63	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.36	1
Bromobenzene	ND		ug/kg	5.6	0.24	1
n-Butylbenzene	ND		ug/kg	1.1	0.35	1
sec-Butylbenzene	ND		ug/kg	1.1	0.31	1
tert-Butylbenzene	ND		ug/kg	5.6	0.67	1
o-Chlorotoluene	ND		ug/kg	5.6	0.35	1
p-Chlorotoluene	ND		ug/kg	5.6	0.40	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.6	0.93	1
Hexachlorobutadiene	ND		ug/kg	5.6	0.51	1
Isopropylbenzene	ND		ug/kg	1.1	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.30	1
Naphthalene	ND		ug/kg	5.6	0.86	1
Acrylonitrile	ND		ug/kg	11	0.42	1
n-Propylbenzene	ND		ug/kg	1.1	0.32	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.6	0.45	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.6	0.88	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.6	0.67	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.6	0.64	1
1,4-Dioxane	ND		ug/kg	110	19.	1
1,4-Diethylbenzene	ND		ug/kg	4.4	0.22	1
4-Ethyltoluene	ND		ug/kg	4.4	0.11	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300658**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300658-06
 Client ID: SW-32
 Sample Location: 285 NIAGARA ST

Date Collected: 01/10/13 13:00
 Date Received: 01/11/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.4	0.20	1
Ethyl ether	ND		ug/kg	5.6	0.42	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.6	1.6	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	82		70-130
4-Bromofluorobenzene	84		70-130
Dibromofluoromethane	51	Q	70-130

Project Name: 285 NIAGARA ST**Lab Number:** L1300658**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300658-07
Client ID: BOTTOM 12
Sample Location: 285 NIAGARA ST
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/14/13 16:13
Analyst: BN
Percent Solids: 84%

Date Collected: 01/10/13 13:30
Date Received: 01/11/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.35	1
Chloroform	ND		ug/kg	1.8	0.39	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.2	0.30	1
Dibromochloromethane	ND		ug/kg	1.2	0.37	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.47	1
Tetrachloroethene	ND		ug/kg	1.2	0.36	1
Chlorobenzene	ND		ug/kg	1.2	0.22	1
Trichlorofluoromethane	ND		ug/kg	6.0	0.46	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.32	1
Bromodichloromethane	ND		ug/kg	1.2	0.46	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.36	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
1,1-Dichloropropene	ND		ug/kg	6.0	0.54	1
Bromoform	ND		ug/kg	4.8	0.59	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.28	1
Benzene	1.2		ug/kg	1.2	0.35	1
Toluene	ND		ug/kg	1.8	0.29	1
Ethylbenzene	ND		ug/kg	1.2	0.26	1
Chloromethane	ND		ug/kg	6.0	0.93	1
Bromomethane	ND		ug/kg	2.4	0.77	1
Vinyl chloride	ND		ug/kg	2.4	0.90	1
Chloroethane	ND		ug/kg	2.4	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.47	1
Trichloroethene	ND		ug/kg	1.2	0.27	1
1,2-Dichlorobenzene	ND		ug/kg	6.0	0.43	1
1,3-Dichlorobenzene	ND		ug/kg	6.0	0.48	1
1,4-Dichlorobenzene	ND		ug/kg	6.0	0.50	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300658**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300658-07
 Client ID: BOTTOM 12
 Sample Location: 285 NIAGARA ST

Date Collected: 01/10/13 13:30
 Date Received: 01/11/13
 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	2.4	0.58	1
p/m-Xylene	ND		ug/kg	2.4	0.51	1
o-Xylene	ND		ug/kg	2.4	0.50	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.36	1
Dibromomethane	ND		ug/kg	12	0.52	1
Styrene	ND		ug/kg	2.4	0.86	1
Dichlorodifluoromethane	ND		ug/kg	12	0.46	1
Acetone	ND		ug/kg	12	3.8	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	ND		ug/kg	12	4.6	1
Vinyl acetate	ND		ug/kg	12	0.89	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.97	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.46	1
2-Hexanone	ND		ug/kg	12	0.47	1
Bromochloromethane	ND		ug/kg	6.0	0.36	1
2,2-Dichloropropane	ND		ug/kg	6.0	0.95	1
1,2-Dibromoethane	ND		ug/kg	4.8	0.49	1
1,3-Dichloropropane	ND		ug/kg	6.0	0.67	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.39	1
Bromobenzene	ND		ug/kg	6.0	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.37	1
sec-Butylbenzene	ND		ug/kg	1.2	0.33	1
tert-Butylbenzene	ND		ug/kg	6.0	0.72	1
o-Chlorotoluene	ND		ug/kg	6.0	0.37	1
p-Chlorotoluene	ND		ug/kg	6.0	0.43	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.0	1.0	1
Hexachlorobutadiene	ND		ug/kg	6.0	0.54	1
Isopropylbenzene	ND		ug/kg	1.2	0.21	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.32	1
Naphthalene	ND		ug/kg	6.0	0.92	1
Acrylonitrile	ND		ug/kg	12	0.45	1
n-Propylbenzene	ND		ug/kg	1.2	0.34	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.0	0.48	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.0	0.94	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.0	0.72	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.0	0.68	1
1,4-Dioxane	ND		ug/kg	120	21.	1
1,4-Diethylbenzene	ND		ug/kg	4.8	0.24	1
4-Ethyltoluene	ND		ug/kg	4.8	0.12	1

Project Name: 285 NIAGARA ST**Lab Number:** L1300658**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300658-07
 Client ID: BOTTOM 12
 Sample Location: 285 NIAGARA ST

Date Collected: 01/10/13 13:30
 Date Received: 01/11/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.8	0.22	1
Ethyl ether	ND		ug/kg	6.0	0.45	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.0	1.8	1

Tentatively Identified Compounds

Butane, 2-methyl-	13	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	80		70-130
4-Bromofluorobenzene	82		70-130
Dibromofluoromethane	77		70-130

Project Name: 285 NIAGARA ST

Lab Number: L1300658

Project Number: 0236-001-101

Report Date: 01/17/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 01/14/13 09:14
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG584875-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.30
Chloroform	ND		ug/kg	1.5	0.32
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.26
Dibromochloromethane	ND		ug/kg	1.0	0.31
2-Chloroethylvinyl ether	ND		ug/kg	20	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.39
Tetrachloroethene	ND		ug/kg	1.0	0.31
Chlorobenzene	ND		ug/kg	1.0	0.19
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.23
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.27
Bromodichloromethane	ND		ug/kg	1.0	0.38
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.30
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.50
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.24
Benzene	ND		ug/kg	1.0	0.30
Toluene	ND		ug/kg	1.5	0.24
Ethylbenzene	ND		ug/kg	1.0	0.22
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.65
Vinyl chloride	ND		ug/kg	2.0	0.75
Chloroethane	ND		ug/kg	2.0	0.44
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.39
Trichloroethene	ND		ug/kg	1.0	0.22
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.36
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.40

Project Name: 285 NIAGARA ST

Lab Number: L1300658

Project Number: 0236-001-101

Report Date: 01/17/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 01/14/13 09:14
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG584875-3					
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.42
Methyl tert butyl ether	ND		ug/kg	2.0	0.49
p/m-Xylene	ND		ug/kg	2.0	0.43
o-Xylene	ND		ug/kg	2.0	0.42
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.30
Dibromomethane	ND		ug/kg	10	0.43
Styrene	ND		ug/kg	2.0	0.73
Dichlorodifluoromethane	ND		ug/kg	10	0.39
Acetone	ND		ug/kg	10	3.2
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	3.9
Vinyl acetate	ND		ug/kg	10	0.75
4-Methyl-2-pentanone	ND		ug/kg	10	0.82
1,2,3-Trichloropropane	ND		ug/kg	10	0.39
2-Hexanone	ND		ug/kg	10	0.40
Bromochloromethane	ND		ug/kg	5.0	0.30
2,2-Dichloropropane	ND		ug/kg	5.0	0.80
1,2-Dibromoethane	ND		ug/kg	4.0	0.41
1,3-Dichloropropane	ND		ug/kg	5.0	0.56
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33
Bromobenzene	ND		ug/kg	5.0	0.22
n-Butylbenzene	ND		ug/kg	1.0	0.31
sec-Butylbenzene	ND		ug/kg	1.0	0.28
tert-Butylbenzene	ND		ug/kg	5.0	0.60
o-Chlorotoluene	ND		ug/kg	5.0	0.31
p-Chlorotoluene	ND		ug/kg	5.0	0.36
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.84
Hexachlorobutadiene	ND		ug/kg	5.0	0.46
Isopropylbenzene	ND		ug/kg	1.0	0.18
p-Isopropyltoluene	ND		ug/kg	1.0	0.27
Naphthalene	ND		ug/kg	5.0	0.77



Project Name: 285 NIAGARA ST

Lab Number: L1300658

Project Number: 0236-001-101

Report Date: 01/17/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 01/14/13 09:14

Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG584875-3					
Acrylonitrile	ND		ug/kg	10	0.38
Isopropyl Ether	ND		ug/kg	4.0	0.42
tert-Butyl Alcohol	ND		ug/kg	60	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.28
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.40
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.60
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.47
Ethyl Acetate	ND		ug/kg	20	20.
Acrolein	ND		ug/kg	25	3.0
Cyclohexane	ND		ug/kg	20	0.12
1,4-Dioxane	ND		ug/kg	100	17.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.40
1,4-Diethylbenzene	ND		ug/kg	4.0	0.20
4-Ethyltoluene	ND		ug/kg	4.0	0.10
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.18
Tetrahydrofuran	ND		ug/kg	20	1.1
Ethyl ether	ND		ug/kg	5.0	0.38
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.5
Methyl cyclohexane	ND		ug/kg	4.0	0.70
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.88
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	1.0

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg

Project Name: 285 NIAGARA ST**Lab Number:** L1300658**Project Number:** 0236-001-101**Report Date:** 01/17/13**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 01/14/13 09:14

Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL

Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG584875-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	86		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	88		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: 285 NIAGARA ST

Project Number: 0236-001-101

Lab Number: L1300658

Report Date: 01/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG584875-1 WG584875-2								
Methylene chloride	87		82		70-130	6		30
1,1-Dichloroethane	105		97		70-130	8		30
Chloroform	101		96		70-130	5		30
Carbon tetrachloride	104		94		70-130	10		30
1,2-Dichloropropane	105		100		70-130	5		30
Dibromochloromethane	107		106		70-130	1		30
2-Chloroethylvinyl ether	144		142			1		30
1,1,2-Trichloroethane	106		105		70-130	1		30
Tetrachloroethene	98		90		70-130	9		30
Chlorobenzene	101		97		70-130	4		30
Trichlorofluoromethane	103		92		70-139	11		30
1,2-Dichloroethane	106		103		70-130	3		30
1,1,1-Trichloroethane	104		94		70-130	10		30
Bromodichloromethane	107		103		70-130	4		30
trans-1,3-Dichloropropene	97		97		70-130	0		30
cis-1,3-Dichloropropene	110		107		70-130	3		30
1,1-Dichloropropene	103		94		70-130	9		30
Bromoform	110		108		70-130	2		30
1,1,2,2-Tetrachloroethane	106		105		70-130	1		30
Benzene	102		96		70-130	6		30
Toluene	103		96		70-130	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285 NIAGARA ST

Project Number: 0236-001-101

Lab Number: L1300658

Report Date: 01/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG584875-1 WG584875-2								
Ethylbenzene	102		95		70-130	7		30
Chloromethane	105		95		52-130	10		30
Bromomethane	90		85		57-147	6		30
Vinyl chloride	107		98		67-130	9		30
Chloroethane	109		99		50-151	10		30
1,1-Dichloroethene	98		88		65-135	11		30
trans-1,2-Dichloroethene	100		92		70-130	8		30
Trichloroethene	100		93		70-130	7		30
1,2-Dichlorobenzene	104		101		70-130	3		30
1,3-Dichlorobenzene	104		99		70-130	5		30
1,4-Dichlorobenzene	104		101		70-130	3		30
Methyl tert butyl ether	115		113		66-130	2		30
p/m-Xylene	101		96		70-130	5		30
o-Xylene	103		98		70-130	5		30
cis-1,2-Dichloroethene	101		94		70-130	7		30
Dibromomethane	102		99		70-130	3		30
Styrene	104		100		70-130	4		30
Dichlorodifluoromethane	93		83		30-146	11		30
Acetone	104		95		54-140	9		30
Carbon disulfide	97		88		59-130	10		30
2-Butanone	97		93		70-130	4		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 285 NIAGARA ST

Project Number: 0236-001-101

Lab Number: L1300658

Report Date: 01/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG584875-1 WG584875-2								
Vinyl acetate	108		104		70-130	4		30
4-Methyl-2-pentanone	103		108		70-130	5		30
1,2,3-Trichloropropane	107		105		68-130	2		30
2-Hexanone	110		111		70-130	1		30
Bromochloromethane	99		94		70-130	5		30
2,2-Dichloropropane	108		102		70-130	6		30
1,2-Dibromoethane	103		103		70-130	0		30
1,3-Dichloropropane	106		105		69-130	1		30
1,1,1,2-Tetrachloroethane	110		107		70-130	3		30
Bromobenzene	101		98		70-130	3		30
n-Butylbenzene	112		103		70-130	8		30
sec-Butylbenzene	107		98		70-130	9		30
tert-Butylbenzene	104		96		70-130	8		30
o-Chlorotoluene	106		100		70-130	6		30
p-Chlorotoluene	107		101		70-130	6		30
1,2-Dibromo-3-chloropropane	100		102		68-130	2		30
Hexachlorobutadiene	100		91		67-130	9		30
Isopropylbenzene	101		94		70-130	7		30
p-Isopropyltoluene	106		98		70-130	8		30
Naphthalene	104		104		70-130	0		30
Acrylonitrile	108		107		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285 NIAGARA ST

Project Number: 0236-001-101

Lab Number: L1300658

Report Date: 01/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG584875-1 WG584875-2								
Isopropyl Ether	108		104		66-130	4		30
tert-Butyl Alcohol	107		105		70-130	2		30
n-Propylbenzene	107		98		70-130	9		30
1,2,3-Trichlorobenzene	110		106		70-130	4		30
1,2,4-Trichlorobenzene	110		107		70-130	3		30
1,3,5-Trimethylbenzene	106		98		70-130	8		30
1,2,4-Trimethylbenzene	106		100		70-130	6		30
Methyl Acetate	103		103		70-130	0		30
Ethyl Acetate	112		111		70-130	1		30
Acrolein	105		96		70-130	9		30
Cyclohexane	108		97		70-130	11		30
1,4-Dioxane	113		121		65-136	7		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	103		92		70-130	11		30
1,4-Diethylbenzene	108		100		70-130	8		30
4-Ethyltoluene	106		99		70-130	7		30
1,2,4,5-Tetramethylbenzene	110		105		70-130	5		30
Tetrahydrofuran	104		104		66-130	0		30
Ethyl ether	108		104		67-130	4		30
trans-1,4-Dichloro-2-butene	120		122		70-130	2		30
Methyl cyclohexane	106		94		70-130	12		30
Ethyl-Tert-Butyl-Ether	130		127		70-130	2		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 285 NIAGARA ST

Lab Number: L1300658

Project Number: 0236-001-101

Report Date: 01/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG584875-1 WG584875-2								
Tertiary-Amyl Methyl Ether	109		108		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	107		98		70-130
Toluene-d8	88		87		70-130
4-Bromofluorobenzene	86		84		70-130
Dibromofluoromethane	94		88		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: 285 NIAGARA ST

Project Number: 0236-001-101

Lab Number: L1300658

Report Date: 01/17/13

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): 01-07 QC Batch ID: WG584875-4 WG584875-5 QC Sample: L1300658-07 Client ID: BOTTOM 12

Methylene chloride	ND	23.8	21	86		20	82		70-130	4		30
1,1-Dichloroethane	ND	23.8	20	84		19	78		70-130	7		30
Chloroform	ND	23.8	19	79		18	74		70-130	7		30
Carbon tetrachloride	ND	23.8	16	68	Q	14	58	Q	70-130	16		30
1,2-Dichloropropane	ND	23.8	18	76		17	71		70-130	7		30
Dibromochloromethane	ND	23.8	15	62	Q	13	56	Q	70-130	11		30
1,1,2-Trichloroethane	ND	23.8	17	73		16	68	Q	70-130	7		30
Tetrachloroethene	ND	23.8	13	53	Q	11	45	Q	70-130	16		30
Chlorobenzene	ND	23.8	12	51	Q	11	44	Q	70-130	13		30
Trichlorofluoromethane	ND	23.8	20	83		18	75		70-139	10		30
1,2-Dichloroethane	ND	23.8	21	87		20	83		70-130	5		30
1,1,1-Trichloroethane	ND	23.8	19	78		17	72		70-130	7		30
Bromodichloromethane	ND	23.8	17	70		15	63	Q	70-130	9		30
trans-1,3-Dichloropropene	ND	23.8	12	50	Q	11	45	Q	70-130	9		30
cis-1,3-Dichloropropene	ND	23.8	15	62	Q	13	56	Q	70-130	10		30
1,1-Dichloropropene	ND	23.8	15	64	Q	14	58	Q	70-130	10		30
Bromoform	ND	23.8	13	55	Q	12	50	Q	70-130	10		30
1,1,2,2-Tetrachloroethane	ND	23.8	15	61	Q	14	57	Q	70-130	6		30
Benzene	1.2	23.8	22	91		20	86		70-130	6		30
Toluene	ND	23.8	15	65	Q	14	58	Q	70-130	10		30
Ethylbenzene	ND	23.8	13	56	Q	11	48	Q	70-130	16		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 285 NIAGARA ST

Project Number: 0236-001-101

Lab Number: L1300658

Report Date: 01/17/13

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): 01-07 QC Batch ID: WG584875-4 WG584875-5 QC Sample: L1300658-07 Client ID: BOTTOM 12

Chloromethane	ND	23.8	23	98		22	92		52-130	6		30
Bromomethane	ND	23.8	16	67		16	66		57-147	3		30
Vinyl chloride	ND	23.8	25	104		23	96		67-130	8		30
Chloroethane	ND	23.8	23	95		21	88		50-151	8		30
1,1-Dichloroethene	ND	23.8	18	77		17	71		65-135	8		30
trans-1,2-Dichloroethene	ND	23.8	17	73		16	66	Q	70-130	9		30
Trichloroethene	ND	23.8	15	64	Q	14	57	Q	70-130	12		30
1,2-Dichlorobenzene	ND	23.8	8.8	37	Q	7.4	31	Q	70-130	17		30
1,3-Dichlorobenzene	ND	23.8	8.9	37	Q	7.1	30	Q	70-130	22		30
1,4-Dichlorobenzene	ND	23.8	8.6	36	Q	6.9	29	Q	70-130	22		30
Methyl tert butyl ether	ND	23.8	23	97		23	94		66-130	3		30
p/m-Xylene	ND	47.6	25	53	Q	21	45	Q	70-130	17		30
o-Xylene	ND	47.6	27	56	Q	23	48	Q	70-130	16		30
cis-1,2-Dichloroethene	ND	23.8	18	75		16	68	Q	70-130	10		30
Dibromomethane	ND	23.8	17	73		16	68	Q	70-130	7		30
Styrene	ND	47.6	23	48	Q	20	41	Q	70-130	15		30
Dichlorodifluoromethane	ND	23.8	21	87		19	78		30-146	10		30
Acetone	ND	23.8	46	194	Q	43	179	Q	54-140	8		30
Carbon disulfide	ND	23.8	18	74		16	67		59-130	10		30
2-Butanone	ND	23.8	26	108		23	97		70-130	10		30
Vinyl acetate	ND	23.8	22	92		21	87		70-130	5		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 285 NIAGARA ST

Project Number: 0236-001-101

Lab Number: L1300658

Report Date: 01/17/13

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): 01-07 QC Batch ID: WG584875-4 WG584875-5 QC Sample: L1300658-07 Client ID: BOTTOM 12

4-Methyl-2-pentanone	ND	23.8	21	86		19	80		70-130	7		30
1,2,3-Trichloropropane	ND	23.8	16	68		15	63	Q	68-130	8		30
2-Hexanone	ND	23.8	19	80		18	74		70-130	9		30
Bromochloromethane	ND	23.8	18	75		17	71		70-130	5		30
2,2-Dichloropropane	ND	23.8	20	84		19	79		70-130	5		30
1,2-Dibromoethane	ND	23.8	15	61	Q	13	54	Q	70-130	12		30
1,3-Dichloropropane	ND	23.8	16	68	Q	15	63	Q	69-130	8		30
1,1,1,2-Tetrachloroethane	ND	23.8	16	66	Q	15	61	Q	70-130	9		30
Bromobenzene	ND	23.8	10	44	Q	9.0	38	Q	70-130	14		30
n-Butylbenzene	ND	23.8	10	42	Q	7.3	31	Q	70-130	32	Q	30
sec-Butylbenzene	ND	23.8	12	49	Q	9.1	38	Q	70-130	25		30
tert-Butylbenzene	ND	23.8	13	53	Q	10	43	Q	70-130	21		30
o-Chlorotoluene	ND	23.8	12	50	Q	10	42	Q	70-130	18		30
p-Chlorotoluene	ND	23.8	10	44	Q	8.5	36	Q	70-130	20		30
1,2-Dibromo-3-chloropropane	ND	23.8	11	47	Q	10	42	Q	68-130	9		30
Hexachlorobutadiene	ND	23.8	8.4	35	Q	5.7J	24	Q	67-130	39	Q	30
Isopropylbenzene	ND	23.8	12	52	Q	10	43	Q	70-130	19		30
p-Isopropyltoluene	ND	23.8	11	45	Q	8.3	35	Q	70-130	26		30
Naphthalene	ND	23.8	6.2	26	Q	5.2J	22	Q	70-130	19		30
Acrylonitrile	ND	23.8	23	98		22	92		70-130	7		30
n-Propylbenzene	ND	23.8	12	50	Q	9.5	40	Q	70-130	21		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 285 NIAGARA ST

Project Number: 0236-001-101

Lab Number: L1300658

Report Date: 01/17/13

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): 01-07 QC Batch ID: WG584875-4 WG584875-5 QC Sample: L1300658-07 Client ID: BOTTOM 12

1,2,3-Trichlorobenzene	ND	23.8	5.9J	25	Q	4.4J	19	Q	70-130	28		30
1,2,4-Trichlorobenzene	ND	23.8	5.8J	24	Q	4.4J	18	Q	70-130	27		30
1,3,5-Trimethylbenzene	ND	23.8	12	50	Q	9.8	41	Q	70-130	21		30
1,2,4-Trimethylbenzene	ND	23.8	11	48	Q	9.3	39	Q	70-130	20		30
1,4-Dioxane	ND	1190	1200	104		1100	93		65-136	11		30
1,4-Diethylbenzene	ND	23.8	9.9	42	Q	7.3	31	Q	70-130	31	Q	30
4-Ethyltoluene	ND	23.8	12	48	Q	9.3	39	Q	70-130	21		30
1,2,4,5-Tetramethylbenzene	ND	23.8	9.1	38	Q	6.8	29	Q	70-130	28		30
Ethyl ether	ND	23.8	21	89		21	86		67-130	3		30
trans-1,4-Dichloro-2-butene	ND	23.8	11	44	Q	8.6	36	Q	70-130	20		30

Surrogate	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
1,2-Dichloroethane-d4	91		85		70-130
4-Bromofluorobenzene	86		81		70-130
Dibromofluoromethane	81		78		70-130
Toluene-d8	85		80		70-130

SEMIVOLATILES

Project Name: 285 NIAGARA ST**Lab Number:** L1300658**Project Number:** 0236-001-101**Report Date:** 01/17/13**SAMPLE RESULTS**

Lab ID: L1300658-04
Client ID: SW-30
Sample Location: 285 NIAGARA ST
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 01/16/13 12:11
Analyst: JB
Percent Solids: 81%

Date Collected: 01/10/13 10:15
Date Received: 01/11/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 01/15/13 02:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	44.	1
Fluoranthene	ND		ug/kg	120	27.	1
Naphthalene	ND		ug/kg	200	65.	1
Benzo(a)anthracene	ND		ug/kg	120	40.	1
Benzo(a)pyrene	ND		ug/kg	160	49.	1
Benzo(b)fluoranthene	ND		ug/kg	120	36.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	ND		ug/kg	120	32.	1
Anthracene	ND		ug/kg	120	28.	1
Benzo(ghi)perylene	ND		ug/kg	160	52.	1
Fluorene	ND		ug/kg	200	38.	1
Phenanthrene	ND		ug/kg	120	34.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	50.	1
Pyrene	ND		ug/kg	120	34.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	31		23-120
2-Fluorobiphenyl	49		30-120
4-Terphenyl-d14	65		18-120

Project Name: 285 NIAGARA ST

Lab Number: L1300658

Project Number: 0236-001-101

Report Date: 01/17/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 01/16/13 10:21
 Analyst: JB

Extraction Method: EPA 3546
 Extraction Date: 01/15/13 02:26

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG584751-1					
Acenaphthene	ND		ug/kg	130	36.
Fluoranthene	ND		ug/kg	99	22.
Naphthalene	ND		ug/kg	160	52.
Benzo(a)anthracene	ND		ug/kg	99	33.
Benzo(a)pyrene	ND		ug/kg	130	39.
Benzo(b)fluoranthene	ND		ug/kg	99	29.
Benzo(k)fluoranthene	ND		ug/kg	99	25.
Chrysene	ND		ug/kg	99	26.
Anthracene	ND		ug/kg	99	23.
Benzo(ghi)perylene	ND		ug/kg	130	42.
Fluorene	ND		ug/kg	160	30.
Phenanthrene	ND		ug/kg	99	28.
Dibenzo(a,h)anthracene	ND		ug/kg	99	31.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	40.
Pyrene	ND		ug/kg	99	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	66		30-120
4-Terphenyl-d14	68		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285 NIAGARA ST

Project Number: 0236-001-101

Lab Number: L1300658

Report Date: 01/17/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG584751-2 WG584751-3								
Acenaphthene	102		101		31-137	1		50
Fluoranthene	104		106		40-140	2		50
Naphthalene	100		95		40-140	5		50
Benzo(a)anthracene	104		108		40-140	4		50
Benzo(a)pyrene	104		106		40-140	2		50
Benzo(b)fluoranthene	109		100		40-140	9		50
Benzo(k)fluoranthene	102		113		40-140	10		50
Chrysene	102		105		40-140	3		50
Anthracene	111		110		40-140	1		50
Benzo(ghi)perylene	108		108		40-140	0		50
Fluorene	100		101		40-140	1		50
Phenanthrene	110		110		40-140	0		50
Dibenzo(a,h)anthracene	108		109		40-140	1		50
Indeno(1,2,3-cd)Pyrene	108		110		40-140	2		50
Pyrene	102		103		35-142	1		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Nitrobenzene-d5	93		85		23-120
2-Fluorobiphenyl	89		84		30-120
4-Terphenyl-d14	89		84		18-120

INORGANICS & MISCELLANEOUS

Project Name: 285 NIAGARA ST**Project Number:** 0236-001-101**Lab Number:** L1300658**Report Date:** 01/17/13**SAMPLE RESULTS****Lab ID:** L1300658-01**Client ID:** SW-28**Sample Location:** 285 NIAGARA ST**Matrix:** Soil**Date Collected:** 01/10/13 08:45**Date Received:** 01/11/13**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84		%	0.10	NA	1	-	01/15/13 12:06	30,2540G	ML



Project Name: 285 NIAGARA ST**Project Number:** 0236-001-101**Lab Number:** L1300658**Report Date:** 01/17/13**SAMPLE RESULTS****Lab ID:** L1300658-02**Client ID:** BOTTOM 11**Sample Location:** 285 NIAGARA ST**Matrix:** Soil**Date Collected:** 01/10/13 09:15**Date Received:** 01/11/13**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		%	0.10	NA	1	-	01/15/13 12:06	30,2540G	ML



Project Name: 285 NIAGARA ST**Project Number:** 0236-001-101**Lab Number:** L1300658**Report Date:** 01/17/13**SAMPLE RESULTS****Lab ID:** L1300658-03**Client ID:** SW-29**Sample Location:** 285 NIAGARA ST**Matrix:** Soil**Date Collected:** 01/10/13 10:00**Date Received:** 01/11/13**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89		%	0.10	NA	1	-	01/15/13 12:06	30,2540G	ML



Project Name: 285 NIAGARA ST

Project Number: 0236-001-101

Lab Number: L1300658

Report Date: 01/17/13

SAMPLE RESULTS

Lab ID: L1300658-04

Client ID: SW-30

Sample Location: 285 NIAGARA ST

Matrix: Soil

Date Collected: 01/10/13 10:15

Date Received: 01/11/13

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		%	0.10	NA	1	-	01/15/13 12:06	30,2540G	ML



Project Name: 285 NIAGARA ST**Project Number:** 0236-001-101**Lab Number:** L1300658**Report Date:** 01/17/13**SAMPLE RESULTS****Lab ID:** L1300658-05**Client ID:** SW-31**Sample Location:** 285 NIAGARA ST**Matrix:** Soil**Date Collected:** 01/10/13 11:00**Date Received:** 01/11/13**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		%	0.10	NA	1	-	01/15/13 12:06	30,2540G	ML



Project Name: 285 NIAGARA ST**Project Number:** 0236-001-101**Lab Number:** L1300658**Report Date:** 01/17/13**SAMPLE RESULTS****Lab ID:** L1300658-06**Client ID:** SW-32**Sample Location:** 285 NIAGARA ST**Matrix:** Soil**Date Collected:** 01/10/13 13:00**Date Received:** 01/11/13**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90		%	0.10	NA	1	-	01/15/13 12:06	30,2540G	ML



Project Name: 285 NIAGARA ST**Project Number:** 0236-001-101**Lab Number:** L1300658**Report Date:** 01/17/13**SAMPLE RESULTS****Lab ID:** L1300658-07**Client ID:** BOTTOM 12**Sample Location:** 285 NIAGARA ST**Matrix:** Soil**Date Collected:** 01/10/13 13:30**Date Received:** 01/11/13**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84		%	0.10	NA	1	-	01/15/13 12:06	30,2540G	ML



Lab Duplicate Analysis
Batch Quality Control**Project Name:** 285 NIAGARA ST**Project Number:** 0236-001-101**Lab Number:** L1300658**Report Date:** 01/17/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG584870-1 QC Sample: L1300658-07 Client ID: BOTTOM 12						
Solids, Total	84.	85	%	1		20

Project Name: 285 NIAGARA ST

Project Number: 0236-001-101

Lab Number: L1300658

Report Date: 01/17/13

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1300658-01A	Amber 120ml unpreserved	A	N/A	5	Y	Absent	NYTCL-8260(14)
L1300658-01X	Plastic 2oz unpreserved for TS s	A	N/A	5	Y	Absent	TS(7)
L1300658-02A	Amber 120ml unpreserved	A	N/A	5	Y	Absent	NYTCL-8260(14)
L1300658-02X	Plastic 2oz unpreserved for TS s	A	N/A	5	Y	Absent	TS(7)
L1300658-03A	Amber 120ml unpreserved	A	N/A	5	Y	Absent	NYTCL-8260(14)
L1300658-03X	Plastic 2oz unpreserved for TS s	A	N/A	5	Y	Absent	TS(7)
L1300658-04A	Amber 120ml unpreserved	A	N/A	5	Y	Absent	NYTCL-8260(14)
L1300658-04B	Amber 120ml unpreserved	A	N/A	5	Y	Absent	NYTCL-8270(14),TS(7)
L1300658-05A	Amber 120ml unpreserved	A	N/A	5	Y	Absent	NYTCL-8260(14)
L1300658-05X	Plastic 2oz unpreserved for TS s	A	N/A	5	Y	Absent	TS(7)
L1300658-06A	Amber 120ml unpreserved	A	N/A	5	Y	Absent	NYTCL-8260(14)
L1300658-06X	Plastic 2oz unpreserved for TS s	A	N/A	5	Y	Absent	TS(7)
L1300658-07A	Amber 120ml unpreserved	A	N/A	5	Y	Absent	NYTCL-8260(14)
L1300658-07B	Amber 120ml unpreserved	A	N/A	5	Y	Absent	NYTCL-8260(14)
L1300658-07C	Amber 120ml unpreserved	A	N/A	5	Y	Absent	TS(7)
L1300658-07X	Plastic 2oz unpreserved for TS s	A	N/A	5	Y	Absent	-

*Values in parentheses indicate holding time in days

Project Name: 285 NIAGARA ST
Project Number: 0236-001-101

Lab Number: L1300658
Report Date: 01/17/13

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

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

Terms

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 five times (5x) 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.
- 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 RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers



Project Name: 285 NIAGARA ST
Project Number: 0236-001-101

Lab Number: L1300658
Report Date: 01/17/13

Data Qualifiers

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.
- 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: 285 NIAGARA ST
Project Number: 0236-001-101

Lab Number: L1300658
Report Date: 01/17/13

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.
- 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.



Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. **NELAP Accredited Solid Waste/Soil.**

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.

Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.

Drinking Water (Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; Colilert/OT SM9223B; MF-SM9222D.)

Non-Potable Water (Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: 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-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. *Microbiology Parameters:* (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. *NELAP Accredited.*

Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. *Organic Parameters:* 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. *Organic Parameters:* SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. *Organic Parameters:* SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. *NELAP Accredited.*

Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. *Organic Parameters:* EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500CI-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. *Organic Parameters:* SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. *Organic Parameters:* SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. *NELAP Accredited.*

Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. *Organic Parameters:* EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. *Organic Parameters:* EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. *Organic Parameters:* EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500CI-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311, 1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. **NELAP Accredited.**

Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A, 3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P, BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500CI-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. **NELAP Accredited via NJ-DEP.**

Refer to MA-DEP Certificate for Potable and Non-Potable Water.

Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisison on Environmental Quality Certificate/Lab ID: T104704476. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S²⁻D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. **NELAP Accredited.**

Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CI-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.

Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:

EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methyl naphthalenes, Total Dimethyl naphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO₂ in a soil matrix, NO₃ in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.



CHAIN OF CUSTODY

PAGE 1 OF 1

WESTBORO, MA

TEL: 508-896-9220

FAX: 508-896-9193

MANSFIELD, MA

TEL: 508-822-9300

FAX: 508-822-3288

Client Information

Client: Turnkey

Address: 2558 Huntington Turnpike

Phone: 716-856-0599

Fax: 716-856-0583

Email:

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

CAT-B

Project Information

Project Name: 285 Niagara St

Project Location: 285 Niagara St

Project #: 0236-001-101

Project Manager: Mike Leschewski

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: 1/17/13 Time:

Date Rec'd in Lab:

1/11/13

ALPHA Job #:

41300658

Report Information - Data Deliverables

☐ FAX ☒ EMAIL

☐ ADEX ☐ Add'l Deliverables

Billing Information

☐ Same as Client Info ☐ PO #:

Regulatory Requirements/Report Limits

State / Fed Program

Criteria

CAT-B

ANALYSIS

TCL VOC + stars + tic
stars succ

SAMPLE HANDLING

Filtration

☐ Done

☐ Not needed

☐ Lab to do

☐ Preservation

☐ Lab to do

(Please specify below)

Sample Specific Comments

TOTAL # BOTTOMLESS

ALPHA Lab ID
(Lab Use Only)

Sample ID

Collection
Date Time

Sample
Matrix

Sampler's
Initials

00658-01 SUC-28

4-10-13 8:45

Soil Fluid

X

02 Bottom 11

9:15

X

03 SUC-29

16:00

X

04 SUC-30

16:15

X

05 SUC-31

11:00

X

06 SUC-32

13:00

X

07 Bottom 12 (SUS/MSD)

13:30

X

Relinquished By:

Date/Time

Received By:

Date/Time

Container Type

Preservative

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions.

James Kuchin

1/10/13

James Kuchin

1/10/13

1/10/13



ANALYTICAL REPORT

Lab Number:	L1301024
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Mike Lesakowski
Phone:	(716) 856-0599
Project Name:	285 NIAGARA ST.
Project Number:	0236-001-101
Report Date:	01/23/13

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

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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



Project Name: 285 NIAGARA ST.
Project Number: 0236-001-101

Lab Number: L1301024
Report Date: 01/23/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1301024-01	SW-33	285 NIAGARA ST.	01/16/13 10:30
L1301024-02	SW-34	285 NIAGARA ST.	01/16/13 11:30
L1301024-03	SW-35	285 NIAGARA ST.	01/16/13 11:45
L1301024-04	BOTTOM 13	285 NIAGARA ST.	01/16/13 12:00
L1301024-05	BLIND DUP	285 NIAGARA ST.	01/16/13 08:00

Project Name: 285 NIAGARA ST.
Project Number: 0236-001-101

Lab Number: L1301024
Report Date: 01/23/13

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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 free of charge for 30 days from the date the project is completed. After 30 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.

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

Project Name: 285 NIAGARA ST.
Project Number: 0236-001-101

Lab Number: L1301024
Report Date: 01/23/13

Case Narrative (continued)

Report Submission

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

Sample Receipt

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Volatile Organics

The surrogate recoveries for L1301024-03 and -05 are below the acceptance criteria for Dibromofluoromethane (55% and 53%, respectively), due to a known matrix effect caused by the high pHs of the samples (>10).

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:



Cynthia McQueen

Title: Technical Director/Representative

Date: 01/23/13

ORGANICS

VOLATILES

Project Name: 285 NIAGARA ST.**Lab Number:** L1301024**Project Number:** 0236-001-101**Report Date:** 01/23/13**SAMPLE RESULTS**

Lab ID: L1301024-01
Client ID: SW-33
Sample Location: 285 NIAGARA ST.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/19/13 17:45
Analyst: BN
Percent Solids: 84%

Date Collected: 01/16/13 10:30
Date Received: 01/17/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	4.4	J	ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.35	1
Chloroform	ND		ug/kg	1.8	0.39	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.2	0.30	1
Dibromochloromethane	ND		ug/kg	1.2	0.37	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.47	1
Tetrachloroethene	ND		ug/kg	1.2	0.36	1
Chlorobenzene	ND		ug/kg	1.2	0.22	1
Trichlorofluoromethane	ND		ug/kg	6.0	0.46	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.32	1
Bromodichloromethane	ND		ug/kg	1.2	0.46	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.36	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
1,1-Dichloropropene	ND		ug/kg	6.0	0.54	1
Bromoform	ND		ug/kg	4.8	0.59	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.28	1
Benzene	ND		ug/kg	1.2	0.35	1
Toluene	ND		ug/kg	1.8	0.29	1
Ethylbenzene	ND		ug/kg	1.2	0.26	1
Chloromethane	ND		ug/kg	6.0	0.93	1
Bromomethane	ND		ug/kg	2.4	0.77	1
Vinyl chloride	ND		ug/kg	2.4	0.90	1
Chloroethane	ND		ug/kg	2.4	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.47	1
Trichloroethene	ND		ug/kg	1.2	0.27	1
1,2-Dichlorobenzene	ND		ug/kg	6.0	0.43	1
1,3-Dichlorobenzene	ND		ug/kg	6.0	0.48	1
1,4-Dichlorobenzene	ND		ug/kg	6.0	0.50	1

Project Name: 285 NIAGARA ST.**Lab Number:** L1301024**Project Number:** 0236-001-101**Report Date:** 01/23/13**SAMPLE RESULTS**

Lab ID: L1301024-01

Date Collected: 01/16/13 10:30

Client ID: SW-33

Date Received: 01/17/13

Sample Location: 285 NIAGARA ST.

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	2.4	0.58	1
p/m-Xylene	ND		ug/kg	2.4	0.51	1
o-Xylene	ND		ug/kg	2.4	0.50	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.36	1
Dibromomethane	ND		ug/kg	12	0.52	1
Styrene	ND		ug/kg	2.4	0.86	1
Dichlorodifluoromethane	ND		ug/kg	12	0.46	1
Acetone	ND		ug/kg	12	3.8	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	ND		ug/kg	12	4.6	1
Vinyl acetate	ND		ug/kg	12	0.89	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.97	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.46	1
2-Hexanone	ND		ug/kg	12	0.47	1
Bromochloromethane	ND		ug/kg	6.0	0.36	1
2,2-Dichloropropane	ND		ug/kg	6.0	0.95	1
1,2-Dibromoethane	ND		ug/kg	4.8	0.49	1
1,3-Dichloropropane	ND		ug/kg	6.0	0.67	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.39	1
Bromobenzene	ND		ug/kg	6.0	0.26	1
n-Butylbenzene	3.4		ug/kg	1.2	0.37	1
sec-Butylbenzene	0.66	J	ug/kg	1.2	0.33	1
tert-Butylbenzene	ND		ug/kg	6.0	0.72	1
o-Chlorotoluene	ND		ug/kg	6.0	0.37	1
p-Chlorotoluene	ND		ug/kg	6.0	0.43	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.0	1.0	1
Hexachlorobutadiene	ND		ug/kg	6.0	0.54	1
Isopropylbenzene	0.31	J	ug/kg	1.2	0.21	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.32	1
Naphthalene	ND		ug/kg	6.0	0.92	1
Acrylonitrile	ND		ug/kg	12	0.45	1
n-Propylbenzene	3.6		ug/kg	1.2	0.34	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.0	0.48	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.0	0.94	1
1,3,5-Trimethylbenzene	3.2	J	ug/kg	6.0	0.72	1
1,2,4-Trimethylbenzene	8.2		ug/kg	6.0	0.68	1
1,4-Dioxane	ND		ug/kg	120	21.	1
1,4-Diethylbenzene	11		ug/kg	4.8	0.24	1
4-Ethyltoluene	7.4		ug/kg	4.8	0.12	1

Project Name: 285 NIAGARA ST.**Lab Number:** L1301024**Project Number:** 0236-001-101**Report Date:** 01/23/13**SAMPLE RESULTS**

Lab ID: L1301024-01

Date Collected: 01/16/13 10:30

Client ID: SW-33

Date Received: 01/17/13

Sample Location: 285 NIAGARA ST.

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

1,2,4,5-Tetramethylbenzene	9.6		ug/kg	4.8	0.22	1
Ethyl ether	ND		ug/kg	6.0	0.45	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.0	1.8	1

Tentatively Identified Compounds

Pentane, 2-methyl-	13	NJ	ug/kg			1
Pentane, 3-methyl-	7.3	NJ	ug/kg			1
Unknown	7.3	J	ug/kg			1
Cyclohexane, methyl-	7.9	NJ	ug/kg			1
Unknown	12	J	ug/kg			1
Unknown Benzene	8.5	J	ug/kg			1
Unknown Cycloaromatic	14	J	ug/kg			1
Unknown Benzene	12	J	ug/kg			1
Unknown	6.7	J	ug/kg			1
Unknown Cycloaromatic	11	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	83		70-130
Toluene-d8	79		70-130
4-Bromofluorobenzene	81		70-130
Dibromofluoromethane	74		70-130

Project Name: 285 NIAGARA ST.**Lab Number:** L1301024**Project Number:** 0236-001-101**Report Date:** 01/23/13**SAMPLE RESULTS**

Lab ID: L1301024-02
Client ID: SW-34
Sample Location: 285 NIAGARA ST.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/19/13 18:20
Analyst: BN
Percent Solids: 85%

Date Collected: 01/16/13 11:30
Date Received: 01/17/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	4.0	J	ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.35	1
Chloroform	ND		ug/kg	1.8	0.38	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.1	0.30	1
Dibromochloromethane	ND		ug/kg	1.2	0.36	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.46	1
Tetrachloroethene	ND		ug/kg	1.2	0.36	1
Chlorobenzene	ND		ug/kg	1.2	0.22	1
Trichlorofluoromethane	ND		ug/kg	5.9	0.46	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.32	1
Bromodichloromethane	ND		ug/kg	1.2	0.45	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.35	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.31	1
1,1-Dichloropropene	ND		ug/kg	5.9	0.54	1
Bromoform	ND		ug/kg	4.7	0.58	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.28	1
Benzene	ND		ug/kg	1.2	0.35	1
Toluene	ND		ug/kg	1.8	0.28	1
Ethylbenzene	0.33	J	ug/kg	1.2	0.26	1
Chloromethane	ND		ug/kg	5.9	0.92	1
Bromomethane	ND		ug/kg	2.4	0.76	1
Vinyl chloride	ND		ug/kg	2.4	0.89	1
Chloroethane	ND		ug/kg	2.4	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.46	1
Trichloroethene	ND		ug/kg	1.2	0.26	1
1,2-Dichlorobenzene	ND		ug/kg	5.9	0.43	1
1,3-Dichlorobenzene	ND		ug/kg	5.9	0.47	1
1,4-Dichlorobenzene	ND		ug/kg	5.9	0.49	1

Project Name: 285 NIAGARA ST.**Lab Number:** L1301024**Project Number:** 0236-001-101**Report Date:** 01/23/13**SAMPLE RESULTS**

Lab ID: L1301024-02

Date Collected: 01/16/13 11:30

Client ID: SW-34

Date Received: 01/17/13

Sample Location: 285 NIAGARA ST.

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	2.4	0.57	1
p/m-Xylene	0.81	J	ug/kg	2.4	0.50	1
o-Xylene	ND		ug/kg	2.4	0.49	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.35	1
Dibromomethane	ND		ug/kg	12	0.51	1
Styrene	ND		ug/kg	2.4	0.85	1
Dichlorodifluoromethane	ND		ug/kg	12	0.46	1
Acetone	ND		ug/kg	12	3.8	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	ND		ug/kg	12	4.6	1
Vinyl acetate	ND		ug/kg	12	0.88	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.96	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.46	1
2-Hexanone	ND		ug/kg	12	0.47	1
Bromochloromethane	ND		ug/kg	5.9	0.36	1
2,2-Dichloropropane	ND		ug/kg	5.9	0.94	1
1,2-Dibromoethane	ND		ug/kg	4.7	0.48	1
1,3-Dichloropropane	ND		ug/kg	5.9	0.66	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.39	1
Bromobenzene	ND		ug/kg	5.9	0.26	1
n-Butylbenzene	0.52	J	ug/kg	1.2	0.37	1
sec-Butylbenzene	ND		ug/kg	1.2	0.32	1
tert-Butylbenzene	ND		ug/kg	5.9	0.71	1
o-Chlorotoluene	ND		ug/kg	5.9	0.37	1
p-Chlorotoluene	ND		ug/kg	5.9	0.42	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.9	0.98	1
Hexachlorobutadiene	ND		ug/kg	5.9	0.54	1
Isopropylbenzene	ND		ug/kg	1.2	0.21	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.32	1
Naphthalene	ND		ug/kg	5.9	0.90	1
Acrylonitrile	ND		ug/kg	12	0.44	1
n-Propylbenzene	0.59	J	ug/kg	1.2	0.33	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.9	0.47	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.9	0.93	1
1,3,5-Trimethylbenzene	1.6	J	ug/kg	5.9	0.71	1
1,2,4-Trimethylbenzene	4.9	J	ug/kg	5.9	0.67	1
1,4-Dioxane	ND		ug/kg	120	20.	1
1,4-Diethylbenzene	2.4	J	ug/kg	4.7	0.24	1
4-Ethyltoluene	2.6	J	ug/kg	4.7	0.11	1

Project Name: 285 NIAGARA ST.**Lab Number:** L1301024**Project Number:** 0236-001-101**Report Date:** 01/23/13**SAMPLE RESULTS**

Lab ID: L1301024-02
 Client ID: SW-34
 Sample Location: 285 NIAGARA ST.

Date Collected: 01/16/13 11:30
 Date Received: 01/17/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

1,2,4,5-Tetramethylbenzene	1.2	J	ug/kg	4.7	0.21	1
Ethyl ether	ND		ug/kg	5.9	0.45	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.9	1.7	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	79		70-130
4-Bromofluorobenzene	83		70-130
Dibromofluoromethane	76		70-130

Project Name: 285 NIAGARA ST.**Lab Number:** L1301024**Project Number:** 0236-001-101**Report Date:** 01/23/13**SAMPLE RESULTS**

Lab ID: L1301024-03
Client ID: SW-35
Sample Location: 285 NIAGARA ST.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/19/13 18:55
Analyst: BN
Percent Solids: 86%

Date Collected: 01/16/13 11:45
Date Received: 01/17/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	6.0	J	ug/kg	12	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.34	1
Chloroform	ND		ug/kg	1.7	0.38	1
Carbon tetrachloride	ND		ug/kg	1.2	0.24	1
1,2-Dichloropropane	ND		ug/kg	4.1	0.30	1
Dibromochloromethane	ND		ug/kg	1.2	0.36	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.46	1
Tetrachloroethene	ND		ug/kg	1.2	0.36	1
Chlorobenzene	ND		ug/kg	1.2	0.22	1
Trichlorofluoromethane	ND		ug/kg	5.8	0.46	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.31	1
Bromodichloromethane	ND		ug/kg	1.2	0.45	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.35	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.31	1
1,1-Dichloropropene	ND		ug/kg	5.8	0.53	1
Bromoform	ND		ug/kg	4.6	0.58	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.28	1
Benzene	ND		ug/kg	1.2	0.34	1
Toluene	ND		ug/kg	1.7	0.28	1
Ethylbenzene	ND		ug/kg	1.2	0.26	1
Chloromethane	ND		ug/kg	5.8	0.91	1
Bromomethane	ND		ug/kg	2.3	0.75	1
Vinyl chloride	ND		ug/kg	2.3	0.88	1
Chloroethane	ND		ug/kg	2.3	0.51	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.46	1
Trichloroethene	ND		ug/kg	1.2	0.26	1
1,2-Dichlorobenzene	ND		ug/kg	5.8	0.42	1
1,3-Dichlorobenzene	ND		ug/kg	5.8	0.46	1
1,4-Dichlorobenzene	ND		ug/kg	5.8	0.49	1

Project Name: 285 NIAGARA ST.**Lab Number:** L1301024**Project Number:** 0236-001-101**Report Date:** 01/23/13**SAMPLE RESULTS**

Lab ID: L1301024-03

Date Collected: 01/16/13 11:45

Client ID: SW-35

Date Received: 01/17/13

Sample Location: 285 NIAGARA ST.

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	0.57	1
p/m-Xylene	ND		ug/kg	2.3	0.50	1
o-Xylene	ND		ug/kg	2.3	0.48	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.35	1
Dibromomethane	ND		ug/kg	12	0.50	1
Styrene	ND		ug/kg	2.3	0.84	1
Dichlorodifluoromethane	ND		ug/kg	12	0.45	1
Acetone	ND		ug/kg	12	3.8	1
Carbon disulfide	ND		ug/kg	12	2.3	1
2-Butanone	ND		ug/kg	12	4.5	1
Vinyl acetate	ND		ug/kg	12	0.87	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.95	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.45	1
2-Hexanone	ND		ug/kg	12	0.46	1
Bromochloromethane	ND		ug/kg	5.8	0.35	1
2,2-Dichloropropane	ND		ug/kg	5.8	0.92	1
1,2-Dibromoethane	ND		ug/kg	4.6	0.48	1
1,3-Dichloropropane	ND		ug/kg	5.8	0.66	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.38	1
Bromobenzene	ND		ug/kg	5.8	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.36	1
sec-Butylbenzene	ND		ug/kg	1.2	0.32	1
tert-Butylbenzene	ND		ug/kg	5.8	0.70	1
o-Chlorotoluene	ND		ug/kg	5.8	0.36	1
p-Chlorotoluene	ND		ug/kg	5.8	0.42	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.8	0.97	1
Hexachlorobutadiene	ND		ug/kg	5.8	0.53	1
Isopropylbenzene	ND		ug/kg	1.2	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.32	1
Naphthalene	ND		ug/kg	5.8	0.89	1
Acrylonitrile	ND		ug/kg	12	0.44	1
n-Propylbenzene	ND		ug/kg	1.2	0.33	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.8	0.47	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.8	0.92	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.8	0.70	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.8	0.67	1
1,4-Dioxane	ND		ug/kg	120	20.	1
1,4-Diethylbenzene	ND		ug/kg	4.6	0.23	1
4-Ethyltoluene	ND		ug/kg	4.6	0.11	1

Project Name: 285 NIAGARA ST.**Lab Number:** L1301024**Project Number:** 0236-001-101**Report Date:** 01/23/13**SAMPLE RESULTS**

Lab ID: L1301024-03

Date Collected: 01/16/13 11:45

Client ID: SW-35

Date Received: 01/17/13

Sample Location: 285 NIAGARA ST.

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.6	0.21	1
Ethyl ether	ND		ug/kg	5.8	0.44	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.8	1.7	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	79		70-130
4-Bromofluorobenzene	83		70-130
Dibromofluoromethane	55	Q	70-130

Project Name: 285 NIAGARA ST.**Lab Number:** L1301024**Project Number:** 0236-001-101**Report Date:** 01/23/13**SAMPLE RESULTS**

Lab ID: L1301024-04
Client ID: BOTTOM 13
Sample Location: 285 NIAGARA ST.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/19/13 19:30
Analyst: BN
Percent Solids: 83%

Date Collected: 01/16/13 12:00
Date Received: 01/17/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	5.2	J	ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.36	1
Chloroform	ND		ug/kg	1.8	0.39	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.2	0.31	1
Dibromochloromethane	ND		ug/kg	1.2	0.37	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.47	1
Tetrachloroethene	ND		ug/kg	1.2	0.37	1
Chlorobenzene	ND		ug/kg	1.2	0.22	1
Trichlorofluoromethane	ND		ug/kg	6.0	0.47	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.32	1
Bromodichloromethane	ND		ug/kg	1.2	0.46	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.36	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
1,1-Dichloropropene	ND		ug/kg	6.0	0.55	1
Bromoform	ND		ug/kg	4.8	0.60	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.29	1
Benzene	ND		ug/kg	1.2	0.36	1
Toluene	ND		ug/kg	1.8	0.29	1
Ethylbenzene	ND		ug/kg	1.2	0.27	1
Chloromethane	ND		ug/kg	6.0	0.94	1
Bromomethane	ND		ug/kg	2.4	0.78	1
Vinyl chloride	ND		ug/kg	2.4	0.91	1
Chloroethane	ND		ug/kg	2.4	0.53	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.47	1
Trichloroethene	ND		ug/kg	1.2	0.27	1
1,2-Dichlorobenzene	ND		ug/kg	6.0	0.44	1
1,3-Dichlorobenzene	ND		ug/kg	6.0	0.48	1
1,4-Dichlorobenzene	ND		ug/kg	6.0	0.50	1

Project Name: 285 NIAGARA ST.**Lab Number:** L1301024**Project Number:** 0236-001-101**Report Date:** 01/23/13**SAMPLE RESULTS**

Lab ID: L1301024-04
 Client ID: BOTTOM 13
 Sample Location: 285 NIAGARA ST.

Date Collected: 01/16/13 12:00
 Date Received: 01/17/13
 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	2.4	0.59	1
p/m-Xylene	ND		ug/kg	2.4	0.52	1
o-Xylene	ND		ug/kg	2.4	0.50	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.36	1
Dibromomethane	ND		ug/kg	12	0.52	1
Styrene	ND		ug/kg	2.4	0.87	1
Dichlorodifluoromethane	ND		ug/kg	12	0.47	1
Acetone	14		ug/kg	12	3.9	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	ND		ug/kg	12	4.7	1
Vinyl acetate	ND		ug/kg	12	0.90	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.98	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.47	1
2-Hexanone	ND		ug/kg	12	0.48	1
Bromochloromethane	ND		ug/kg	6.0	0.36	1
2,2-Dichloropropane	ND		ug/kg	6.0	0.96	1
1,2-Dibromoethane	ND		ug/kg	4.8	0.49	1
1,3-Dichloropropane	ND		ug/kg	6.0	0.68	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.40	1
Bromobenzene	ND		ug/kg	6.0	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.38	1
sec-Butylbenzene	0.46	J	ug/kg	1.2	0.33	1
tert-Butylbenzene	ND		ug/kg	6.0	0.73	1
o-Chlorotoluene	ND		ug/kg	6.0	0.38	1
p-Chlorotoluene	ND		ug/kg	6.0	0.43	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.0	1.0	1
Hexachlorobutadiene	ND		ug/kg	6.0	0.55	1
Isopropylbenzene	ND		ug/kg	1.2	0.21	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.33	1
Naphthalene	ND		ug/kg	6.0	0.93	1
Acrylonitrile	ND		ug/kg	12	0.45	1
n-Propylbenzene	ND		ug/kg	1.2	0.34	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.0	0.49	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.0	0.95	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.0	0.72	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.0	0.69	1
1,4-Dioxane	ND		ug/kg	120	21.	1
1,4-Diethylbenzene	0.61	J	ug/kg	4.8	0.24	1
4-Ethyltoluene	ND		ug/kg	4.8	0.12	1

Project Name: 285 NIAGARA ST.**Lab Number:** L1301024**Project Number:** 0236-001-101**Report Date:** 01/23/13**SAMPLE RESULTS**

Lab ID: L1301024-04
 Client ID: BOTTOM 13
 Sample Location: 285 NIAGARA ST.

Date Collected: 01/16/13 12:00
 Date Received: 01/17/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

1,2,4,5-Tetramethylbenzene	1.2	J	ug/kg	4.8	0.22	1
Ethyl ether	ND		ug/kg	6.0	0.46	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.0	1.8	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	77		70-130
4-Bromofluorobenzene	82		70-130
Dibromofluoromethane	76		70-130

Project Name: 285 NIAGARA ST.**Lab Number:** L1301024**Project Number:** 0236-001-101**Report Date:** 01/23/13**SAMPLE RESULTS**

Lab ID: L1301024-05
Client ID: BLIND DUP
Sample Location: 285 NIAGARA ST.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/19/13 20:05
Analyst: BN
Percent Solids: 88%

Date Collected: 01/16/13 08:00
Date Received: 01/17/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	5.9	J	ug/kg	11	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.34	1
Chloroform	ND		ug/kg	1.7	0.37	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
1,2-Dichloropropane	ND		ug/kg	4.0	0.29	1
Dibromochloromethane	ND		ug/kg	1.1	0.35	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.45	1
Tetrachloroethene	ND		ug/kg	1.1	0.35	1
Chlorobenzene	ND		ug/kg	1.1	0.21	1
Trichlorofluoromethane	ND		ug/kg	5.7	0.44	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.31	1
Bromodichloromethane	ND		ug/kg	1.1	0.44	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.34	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
1,1-Dichloropropene	ND		ug/kg	5.7	0.52	1
Bromoform	ND		ug/kg	4.5	0.56	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.27	1
Benzene	ND		ug/kg	1.1	0.34	1
Toluene	ND		ug/kg	1.7	0.27	1
Ethylbenzene	ND		ug/kg	1.1	0.25	1
Chloromethane	ND		ug/kg	5.7	0.89	1
Bromomethane	ND		ug/kg	2.3	0.74	1
Vinyl chloride	ND		ug/kg	2.3	0.86	1
Chloroethane	ND		ug/kg	2.3	0.50	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.44	1
Trichloroethene	ND		ug/kg	1.1	0.25	1
1,2-Dichlorobenzene	ND		ug/kg	5.7	0.41	1
1,3-Dichlorobenzene	ND		ug/kg	5.7	0.45	1
1,4-Dichlorobenzene	ND		ug/kg	5.7	0.48	1

Project Name: 285 NIAGARA ST.**Lab Number:** L1301024**Project Number:** 0236-001-101**Report Date:** 01/23/13**SAMPLE RESULTS**

Lab ID: L1301024-05
 Client ID: BLIND DUP
 Sample Location: 285 NIAGARA ST.

Date Collected: 01/16/13 08:00
 Date Received: 01/17/13
 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	0.55	1
p/m-Xylene	ND		ug/kg	2.3	0.49	1
o-Xylene	ND		ug/kg	2.3	0.47	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.34	1
Dibromomethane	ND		ug/kg	11	0.49	1
Styrene	ND		ug/kg	2.3	0.82	1
Dichlorodifluoromethane	ND		ug/kg	11	0.44	1
Acetone	7.7	J	ug/kg	11	3.7	1
Carbon disulfide	ND		ug/kg	11	2.3	1
2-Butanone	ND		ug/kg	11	4.4	1
Vinyl acetate	ND		ug/kg	11	0.85	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.93	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.44	1
2-Hexanone	ND		ug/kg	11	0.45	1
Bromochloromethane	ND		ug/kg	5.7	0.34	1
2,2-Dichloropropane	ND		ug/kg	5.7	0.90	1
1,2-Dibromoethane	ND		ug/kg	4.5	0.46	1
1,3-Dichloropropane	ND		ug/kg	5.7	0.64	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.37	1
Bromobenzene	ND		ug/kg	5.7	0.25	1
n-Butylbenzene	ND		ug/kg	1.1	0.36	1
sec-Butylbenzene	ND		ug/kg	1.1	0.31	1
tert-Butylbenzene	ND		ug/kg	5.7	0.68	1
o-Chlorotoluene	ND		ug/kg	5.7	0.36	1
p-Chlorotoluene	ND		ug/kg	5.7	0.41	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.7	0.95	1
Hexachlorobutadiene	ND		ug/kg	5.7	0.52	1
Isopropylbenzene	ND		ug/kg	1.1	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.31	1
Naphthalene	ND		ug/kg	5.7	0.87	1
Acrylonitrile	ND		ug/kg	11	0.43	1
n-Propylbenzene	ND		ug/kg	1.1	0.32	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.7	0.46	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.7	0.90	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.7	0.68	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.7	0.65	1
1,4-Dioxane	ND		ug/kg	110	20.	1
1,4-Diethylbenzene	ND		ug/kg	4.5	0.23	1
4-Ethyltoluene	ND		ug/kg	4.5	0.11	1

Project Name: 285 NIAGARA ST.**Lab Number:** L1301024**Project Number:** 0236-001-101**Report Date:** 01/23/13**SAMPLE RESULTS**

Lab ID: L1301024-05
 Client ID: BLIND DUP
 Sample Location: 285 NIAGARA ST.

Date Collected: 01/16/13 08:00
 Date Received: 01/17/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.5	0.20	1
Ethyl ether	ND		ug/kg	5.7	0.43	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.7	1.7	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	77		70-130
4-Bromofluorobenzene	83		70-130
Dibromofluoromethane	53	Q	70-130

Project Name: 285 NIAGARA ST.

Lab Number: L1301024

Project Number: 0236-001-101

Report Date: 01/23/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 01/19/13 13:03
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG585990-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.30
Chloroform	ND		ug/kg	1.5	0.32
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.26
Dibromochloromethane	ND		ug/kg	1.0	0.31
2-Chloroethylvinyl ether	ND		ug/kg	20	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.39
Tetrachloroethene	ND		ug/kg	1.0	0.31
Chlorobenzene	ND		ug/kg	1.0	0.19
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.23
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.27
Bromodichloromethane	ND		ug/kg	1.0	0.38
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.30
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.50
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.24
Benzene	ND		ug/kg	1.0	0.30
Toluene	ND		ug/kg	1.5	0.24
Ethylbenzene	ND		ug/kg	1.0	0.22
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.65
Vinyl chloride	ND		ug/kg	2.0	0.75
Chloroethane	ND		ug/kg	2.0	0.44
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.39
Trichloroethene	ND		ug/kg	1.0	0.22
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.36
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.40

Project Name: 285 NIAGARA ST.

Lab Number: L1301024

Project Number: 0236-001-101

Report Date: 01/23/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 01/19/13 13:03
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG585990-3					
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.42
Methyl tert butyl ether	ND		ug/kg	2.0	0.49
p/m-Xylene	ND		ug/kg	2.0	0.43
o-Xylene	ND		ug/kg	2.0	0.42
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.30
Dibromomethane	ND		ug/kg	10	0.43
Styrene	ND		ug/kg	2.0	0.73
Dichlorodifluoromethane	ND		ug/kg	10	0.39
Acetone	ND		ug/kg	10	3.2
Carbon disulfide	2.6	J	ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	3.9
Vinyl acetate	ND		ug/kg	10	0.75
4-Methyl-2-pentanone	ND		ug/kg	10	0.82
1,2,3-Trichloropropane	ND		ug/kg	10	0.39
2-Hexanone	ND		ug/kg	10	0.40
Bromochloromethane	ND		ug/kg	5.0	0.30
2,2-Dichloropropane	ND		ug/kg	5.0	0.80
1,2-Dibromoethane	ND		ug/kg	4.0	0.41
1,3-Dichloropropane	ND		ug/kg	5.0	0.56
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33
Bromobenzene	ND		ug/kg	5.0	0.22
n-Butylbenzene	ND		ug/kg	1.0	0.31
sec-Butylbenzene	ND		ug/kg	1.0	0.28
tert-Butylbenzene	ND		ug/kg	5.0	0.60
o-Chlorotoluene	ND		ug/kg	5.0	0.31
p-Chlorotoluene	ND		ug/kg	5.0	0.36
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.84
Hexachlorobutadiene	ND		ug/kg	5.0	0.46
Isopropylbenzene	ND		ug/kg	1.0	0.18
p-Isopropyltoluene	ND		ug/kg	1.0	0.27
Naphthalene	ND		ug/kg	5.0	0.77



Project Name: 285 NIAGARA ST.

Lab Number: L1301024

Project Number: 0236-001-101

Report Date: 01/23/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 01/19/13 13:03
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG585990-3					
Acrylonitrile	ND		ug/kg	10	0.38
Isopropyl Ether	ND		ug/kg	4.0	0.42
tert-Butyl Alcohol	ND		ug/kg	60	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.28
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.40
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.60
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.47
Ethyl Acetate	ND		ug/kg	20	20.
Acrolein	ND		ug/kg	25	3.0
Cyclohexane	ND		ug/kg	20	0.12
1,4-Dioxane	ND		ug/kg	100	17.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.40
1,4-Diethylbenzene	ND		ug/kg	4.0	0.20
4-Ethyltoluene	ND		ug/kg	4.0	0.10
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.18
Tetrahydrofuran	ND		ug/kg	20	1.1
Ethyl ether	ND		ug/kg	5.0	0.38
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.5
Methyl cyclohexane	ND		ug/kg	4.0	0.70
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.88
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	1.0

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg

Project Name: 285 NIAGARA ST.**Lab Number:** L1301024**Project Number:** 0236-001-101**Report Date:** 01/23/13**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 01/19/13 13:03

Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL

Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG585990-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	84		70-130
Toluene-d8	79		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	77		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285 NIAGARA ST.

Project Number: 0236-001-101

Lab Number: L1301024

Report Date: 01/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG585990-1 WG585990-2								
Methylene chloride	90		90		70-130	0		30
1,1-Dichloroethane	94		94		70-130	0		30
Chloroform	91		90		70-130	1		30
Carbon tetrachloride	82		78		70-130	5		30
1,2-Dichloropropane	94		96		70-130	2		30
Dibromochloromethane	91		92		70-130	1		30
2-Chloroethylvinyl ether	115		113			2		30
1,1,2-Trichloroethane	96		97		70-130	1		30
Tetrachloroethene	82		79		70-130	4		30
Chlorobenzene	88		89		70-130	1		30
Trichlorofluoromethane	85		82		70-139	4		30
1,2-Dichloroethane	98		98		70-130	0		30
1,1,1-Trichloroethane	87		86		70-130	1		30
Bromodichloromethane	93		94		70-130	1		30
trans-1,3-Dichloropropene	87		86		70-130	1		30
cis-1,3-Dichloropropene	98		97		70-130	1		30
1,1-Dichloropropene	89		87		70-130	2		30
Bromoform	89		91		70-130	2		30
1,1,2,2-Tetrachloroethane	94		97		70-130	3		30
Benzene	90		89		70-130	1		30
Toluene	90		89		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285 NIAGARA ST.

Project Number: 0236-001-101

Lab Number: L1301024

Report Date: 01/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG585990-1 WG585990-2								
Ethylbenzene	89		89		70-130	0		30
Chloromethane	92		88		52-130	4		30
Bromomethane	79		83		57-147	5		30
Vinyl chloride	100		94		67-130	6		30
Chloroethane	111		96		50-151	14		30
1,1-Dichloroethene	86		83		65-135	4		30
trans-1,2-Dichloroethene	87		85		70-130	2		30
Trichloroethene	87		85		70-130	2		30
1,2-Dichlorobenzene	91		92		70-130	1		30
1,3-Dichlorobenzene	91		90		70-130	1		30
1,4-Dichlorobenzene	91		91		70-130	0		30
Methyl tert butyl ether	101		103		66-130	2		30
p/m-Xylene	89		89		70-130	0		30
o-Xylene	90		91		70-130	1		30
cis-1,2-Dichloroethene	88		87		70-130	1		30
Dibromomethane	92		94		70-130	2		30
Styrene	92		94		70-130	2		30
Dichlorodifluoromethane	74		69		30-146	7		30
Acetone	93		92		54-140	1		30
Carbon disulfide	86		82		59-130	5		30
2-Butanone	86		91		70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285 NIAGARA ST.

Project Number: 0236-001-101

Lab Number: L1301024

Report Date: 01/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG585990-1 WG585990-2								
Vinyl acetate	101		101		70-130	0		30
4-Methyl-2-pentanone	94		98		70-130	4		30
1,2,3-Trichloropropane	96		98		68-130	2		30
2-Hexanone	97		102		70-130	5		30
Bromochloromethane	86		88		70-130	2		30
2,2-Dichloropropane	92		91		70-130	1		30
1,2-Dibromoethane	98		97		70-130	1		30
1,3-Dichloropropane	97		98		69-130	1		30
1,1,1,2-Tetrachloroethane	92		92		70-130	0		30
Bromobenzene	89		88		70-130	1		30
n-Butylbenzene	99		97		70-130	2		30
sec-Butylbenzene	93		90		70-130	3		30
tert-Butylbenzene	90		88		70-130	2		30
o-Chlorotoluene	95		94		70-130	1		30
p-Chlorotoluene	95		94		70-130	1		30
1,2-Dibromo-3-chloropropane	91		92		68-130	1		30
Hexachlorobutadiene	82		79		67-130	4		30
Isopropylbenzene	88		88		70-130	0		30
p-Isopropyltoluene	92		90		70-130	2		30
Naphthalene	85		88		70-130	3		30
Acrylonitrile	100		101		70-130	1		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 285 NIAGARA ST.

Project Number: 0236-001-101

Lab Number: L1301024

Report Date: 01/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG585990-1 WG585990-2								
Isopropyl Ether	100		100		66-130	0		30
tert-Butyl Alcohol	100		100		70-130	0		30
n-Propylbenzene	95		92		70-130	3		30
1,2,3-Trichlorobenzene	91		91		70-130	0		30
1,2,4-Trichlorobenzene	93		92		70-130	1		30
1,3,5-Trimethylbenzene	94		92		70-130	2		30
1,2,4-Trimethylbenzene	94		93		70-130	1		30
Methyl Acetate	98		96		70-130	2		30
Ethyl Acetate	101		104		70-130	3		30
Acrolein	96		101		70-130	5		30
Cyclohexane	94		90		70-130	4		30
1,4-Dioxane	97		100		65-136	3		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	86		84		70-130	2		30
1,4-Diethylbenzene	95		93		70-130	2		30
4-Ethyltoluene	94		92		70-130	2		30
1,2,4,5-Tetramethylbenzene	97		95		70-130	2		30
Tetrahydrofuran	96		98		66-130	2		30
Ethyl ether	96		97		67-130	1		30
trans-1,4-Dichloro-2-butene	105		99		70-130	6		30
Methyl cyclohexane	89		86		70-130	3		30
Ethyl-Tert-Butyl-Ether	118		122		70-130	3		30

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 285 NIAGARA ST.**Lab Number:** L1301024**Project Number:** 0236-001-101**Report Date:** 01/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG585990-1 WG585990-2								
Tertiary-Amyl Methyl Ether	99		101		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		86		70-130
Toluene-d8	81		81		70-130
4-Bromofluorobenzene	88		85		70-130
Dibromofluoromethane	86		82		70-130

INORGANICS & MISCELLANEOUS

Project Name: 285 NIAGARA ST.

Project Number: 0236-001-101

Lab Number: L1301024

Report Date: 01/23/13

SAMPLE RESULTS

Lab ID: L1301024-01

Client ID: SW-33

Sample Location: 285 NIAGARA ST.

Matrix: Soil

Date Collected: 01/16/13 10:30

Date Received: 01/17/13

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84		%	0.10	NA	1	-	01/21/13 21:31	30,2540G	SE



Project Name: 285 NIAGARA ST.**Project Number:** 0236-001-101**Lab Number:** L1301024**Report Date:** 01/23/13**SAMPLE RESULTS****Lab ID:** L1301024-02**Client ID:** SW-34**Sample Location:** 285 NIAGARA ST.**Matrix:** Soil**Date Collected:** 01/16/13 11:30**Date Received:** 01/17/13**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		%	0.10	NA	1	-	01/21/13 21:31	30,2540G	SE



Project Name: 285 NIAGARA ST.

Project Number: 0236-001-101

Lab Number: L1301024

Report Date: 01/23/13

SAMPLE RESULTS

Lab ID: L1301024-03

Client ID: SW-35

Sample Location: 285 NIAGARA ST.

Matrix: Soil

Date Collected: 01/16/13 11:45

Date Received: 01/17/13

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		%	0.10	NA	1	-	01/21/13 21:31	30,2540G	SE



Project Name: 285 NIAGARA ST.

Project Number: 0236-001-101

Lab Number: L1301024

Report Date: 01/23/13

SAMPLE RESULTS

Lab ID: L1301024-04

Client ID: BOTTOM 13

Sample Location: 285 NIAGARA ST.

Matrix: Soil

Date Collected: 01/16/13 12:00

Date Received: 01/17/13

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	83		%	0.10	NA	1	-	01/21/13 21:31	30,2540G	SE



Project Name: 285 NIAGARA ST.**Project Number:** 0236-001-101**Lab Number:** L1301024**Report Date:** 01/23/13**SAMPLE RESULTS****Lab ID:** L1301024-05**Client ID:** BLIND DUP**Sample Location:** 285 NIAGARA ST.**Matrix:** Soil**Date Collected:** 01/16/13 08:00**Date Received:** 01/17/13**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		%	0.10	NA	1	-	01/21/13 21:31	30,2540G	SE



Project Name: 285 NIAGARA ST.**Project Number:** 0236-001-101**Lab Duplicate Analysis**
Batch Quality Control**Lab Number:** L1301024**Report Date:** 01/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG586197-2 QC Sample: L1301024-01 Client ID: SW-33						
Solids, Total	84.	84	%	0		20

Project Name: 285 NIAGARA ST.

Lab Number: L1301024

Project Number: 0236-001-101

Report Date: 01/23/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal**Cooler**

A Present/Intact

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1301024-01A	Amber 120ml unpreserved	A	N/A	3	Y	Absent	TS(7),NYTCL-8260(14)
L1301024-02A	Amber 120ml unpreserved	A	N/A	3	Y	Absent	TS(7),NYTCL-8260(14)
L1301024-03A	Amber 120ml unpreserved	A	N/A	3	Y	Absent	TS(7),NYTCL-8260(14)
L1301024-04A	Amber 120ml unpreserved	A	N/A	3	Y	Absent	TS(7),NYTCL-8260(14)
L1301024-05A	Amber 120ml unpreserved	A	N/A	3	Y	Absent	TS(7),NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 285 NIAGARA ST.
Project Number: 0236-001-101

Lab Number: L1301024
Report Date: 01/23/13

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

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

Terms

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 five times (5x) 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.
- 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 RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers



Project Name: 285 NIAGARA ST.
Project Number: 0236-001-101

Lab Number: L1301024
Report Date: 01/23/13

Data Qualifiers

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.
- 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: 285 NIAGARA ST.
Project Number: 0236-001-101

Lab Number: L1301024
Report Date: 01/23/13

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.
- 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.



Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. **NELAP Accredited Solid Waste/Soil.**

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.

Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.

Drinking Water (Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; Colilert/QT SM9223B; MF-SM9222D.)

Non-Potable Water (Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: 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-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. *Microbiology Parameters:* (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. *Organic Parameters:* 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. *Organic Parameters:* SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. *Organic Parameters:* SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. *Organic Parameters:* EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500CI-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. *Organic Parameters:* SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. *Organic Parameters:* SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. *Organic Parameters:* EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. *Organic Parameters:* EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. *Organic Parameters:* EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500CI-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311, 1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. **NELAP Accredited.**

Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A, 3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P, BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500CI-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. **NELAP Accredited via NJ-DEP.**

Refer to MA-DEP Certificate for Potable and Non-Potable Water.

Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisison on Environmental Quality Certificate/Lab ID: T104704476. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S²⁻D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. **NELAP Accredited.**

Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CI-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.

Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:

EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methyl naphthalenes, Total Dimethyl naphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO₂ in a soil matrix, NO₃ in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.



ANALYTICAL REPORT

Lab Number:	L1300928
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Mike Lesakowski
Phone:	(716) 856-0599
Project Name:	285 NIAGARA
Project Number:	0236-001-101
Report Date:	01/24/13

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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), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
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Project Name: 285 NIAGARA
Project Number: 0236-001-101

Lab Number: L1300928
Report Date: 01/24/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1300928-01	SITE GRAVEL	Not Specified	01/15/13 12:00

Project Name: 285 NIAGARA
Project Number: 0236-001-101

Lab Number: L1300928
Report Date: 01/24/13

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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 free of charge for 30 days from the date the project is completed. After 30 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.

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

Project Name: 285 NIAGARA
Project Number: 0236-001-101

Lab Number: L1300928
Report Date: 01/24/13

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

L1300928-01 has elevated detection limits due to the dilution required by the sample matrix.

The WG586575-2 LCS recovery, associated with L1300928-01, is below the acceptance criteria for 3,3'-Dichlorobenzidine (5%); however, it has been identified as a "difficult" analyte. The results of the associated sample are reported.

PCBs

L1300928-01 has elevated detection limits due to the limited sample volume utilized during extraction, as required by the sample matrix.

Metals

The WG585503-4 MS recovery, performed on L1300928-01, is above the acceptance criteria for Mercury (148%). A post digestion spike was performed with an acceptable recovery of 121%.

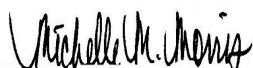
The WG586242-4 MS recoveries, performed on L1300928-01, are outside the acceptance criteria for Antimony (34%), Cadmium (70%), Chromium (71%), Cobalt (67%), Lead (65%), Nickel (62%), Sodium (64%) and Thallium (70%). A post digestion spike was performed with unacceptable recoveries for Antimony (78%), Cadmium (67%), Chromium (64%), Cobalt (64%), Lead (52%), Nickel (61%), Sodium (54%) and Thallium (62%). This has been attributed to sample matrix.

The WG586242-4 MS recoveries for Aluminum (801%), Calcium (0%), Iron (0%), Magnesium (0%) and Manganese (0%), performed on L1300928-01, do not apply because the sample concentrations are greater than four times the spike amount added.

The WG586242-3 Laboratory Duplicate RPDs, performed on L1300928-01, are outside the acceptance criteria for Aluminum (36%), Beryllium (69%), Zinc (138%) and Magnesium (41%). 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:

 Michelle M. Morris

Title: Technical Director/Representative

Date: 01/24/13

ORGANICS

VOLATILES

Project Name: 285 NIAGARA**Lab Number:** L1300928**Project Number:** 0236-001-101**Report Date:** 01/24/13**SAMPLE RESULTS**

Lab ID: L1300928-01
Client ID: SITE GRAVEL
Sample Location: Not Specified
Matrix: Solid
Analytical Method: 1,8260C
Analytical Date: 01/17/13 18:09
Analyst: BN
Percent Solids: 95%

Date Collected: 01/15/13 12:00
Date Received: 01/16/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	9.3	J	ug/kg	10	2.1	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.31	1
Chloroform	ND		ug/kg	1.6	0.34	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.7	0.27	1
Dibromochloromethane	ND		ug/kg	1.0	0.32	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.41	1
Tetrachloroethene	ND		ug/kg	1.0	0.32	1
Chlorobenzene	ND		ug/kg	1.0	0.20	1
Trichlorofluoromethane	ND		ug/kg	5.3	0.41	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.28	1
Bromodichloromethane	ND		ug/kg	1.0	0.40	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
1,1-Dichloropropene	ND		ug/kg	5.3	0.48	1
Bromoform	ND		ug/kg	4.2	0.52	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.25	1
Benzene	ND		ug/kg	1.0	0.31	1
Toluene	ND		ug/kg	1.6	0.25	1
Ethylbenzene	ND		ug/kg	1.0	0.23	1
Chloromethane	ND		ug/kg	5.3	0.82	1
Bromomethane	ND		ug/kg	2.1	0.68	1
Vinyl chloride	ND		ug/kg	2.1	0.79	1
Chloroethane	ND		ug/kg	2.1	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.41	1
Trichloroethene	ND		ug/kg	1.0	0.24	1
1,2-Dichlorobenzene	ND		ug/kg	5.3	0.38	1
1,3-Dichlorobenzene	ND		ug/kg	5.3	0.42	1
1,4-Dichlorobenzene	ND		ug/kg	5.3	0.44	1

Project Name: 285 NIAGARA

Lab Number: L1300928

Project Number: 0236-001-101

Report Date: 01/24/13

SAMPLE RESULTS

Lab ID: L1300928-01

Date Collected: 01/15/13 12:00

Client ID: SITE GRAVEL

Date Received: 01/16/13

Sample Location: Not Specified

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	2.1	0.51	1
p/m-Xylene	ND		ug/kg	2.1	0.45	1
o-Xylene	ND		ug/kg	2.1	0.44	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.32	1
Dibromomethane	ND		ug/kg	10	0.46	1
Styrene	ND		ug/kg	2.1	0.76	1
Dichlorodifluoromethane	ND		ug/kg	10	0.41	1
Acetone	4.5	J	ug/kg	10	3.4	1
Carbon disulfide	ND		ug/kg	10	2.1	1
2-Butanone	ND		ug/kg	10	4.1	1
Vinyl acetate	ND		ug/kg	10	0.79	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.86	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.41	1
2-Hexanone	ND		ug/kg	10	0.42	1
Bromochloromethane	ND		ug/kg	5.3	0.32	1
2,2-Dichloropropane	ND		ug/kg	5.3	0.84	1
1,2-Dibromoethane	ND		ug/kg	4.2	0.43	1
1,3-Dichloropropane	ND		ug/kg	5.3	0.60	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.34	1
Bromobenzene	ND		ug/kg	5.3	0.23	1
n-Butylbenzene	ND		ug/kg	1.0	0.33	1
sec-Butylbenzene	ND		ug/kg	1.0	0.29	1
tert-Butylbenzene	ND		ug/kg	5.3	0.63	1
o-Chlorotoluene	ND		ug/kg	5.3	0.33	1
p-Chlorotoluene	ND		ug/kg	5.3	0.38	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.3	0.88	1
Hexachlorobutadiene	ND		ug/kg	5.3	0.48	1
Isopropylbenzene	ND		ug/kg	1.0	0.19	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.29	1
Acrylonitrile	ND		ug/kg	10	0.40	1
n-Propylbenzene	ND		ug/kg	1.0	0.30	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.3	0.42	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.3	0.83	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.3	0.63	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.3	0.60	1
1,4-Dioxane	ND		ug/kg	100	18.	1
1,4-Diethylbenzene	ND		ug/kg	4.2	0.21	1
4-Ethyltoluene	ND		ug/kg	4.2	0.10	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.2	0.19	1

Project Name: 285 NIAGARA**Lab Number:** L1300928**Project Number:** 0236-001-101**Report Date:** 01/24/13**SAMPLE RESULTS**

Lab ID: L1300928-01

Date Collected: 01/15/13 12:00

Client ID: SITE GRAVEL

Date Received: 01/16/13

Sample Location: Not Specified

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

Ethyl ether	ND		ug/kg	5.3	0.40	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	1.6	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND		ug/kg			1

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

Project Name: 285 NIAGARA

Lab Number: L1300928

Project Number: 0236-001-101

Report Date: 01/24/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 01/17/13 12:19
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG585736-3					
Methylene chloride	3.1	J	ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.30
Chloroform	ND		ug/kg	1.5	0.32
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.26
Dibromochloromethane	ND		ug/kg	1.0	0.31
2-Chloroethylvinyl ether	ND		ug/kg	20	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.39
Tetrachloroethene	ND		ug/kg	1.0	0.31
Chlorobenzene	ND		ug/kg	1.0	0.19
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.23
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.27
Bromodichloromethane	ND		ug/kg	1.0	0.38
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.30
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.50
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.24
Benzene	ND		ug/kg	1.0	0.30
Toluene	ND		ug/kg	1.5	0.24
Ethylbenzene	ND		ug/kg	1.0	0.22
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.65
Vinyl chloride	ND		ug/kg	2.0	0.75
Chloroethane	ND		ug/kg	2.0	0.44
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.39
Trichloroethene	ND		ug/kg	1.0	0.22
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.36
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.40

Project Name: 285 NIAGARA

Lab Number: L1300928

Project Number: 0236-001-101

Report Date: 01/24/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 01/17/13 12:19

Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG585736-3					
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.42
Methyl tert butyl ether	ND		ug/kg	2.0	0.49
p/m-Xylene	ND		ug/kg	2.0	0.43
o-Xylene	ND		ug/kg	2.0	0.42
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.30
Dibromomethane	ND		ug/kg	10	0.43
Styrene	ND		ug/kg	2.0	0.73
Dichlorodifluoromethane	ND		ug/kg	10	0.39
Acetone	ND		ug/kg	10	3.2
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	3.9
Vinyl acetate	ND		ug/kg	10	0.75
4-Methyl-2-pentanone	ND		ug/kg	10	0.82
1,2,3-Trichloropropane	ND		ug/kg	10	0.39
2-Hexanone	ND		ug/kg	10	0.40
Bromochloromethane	ND		ug/kg	5.0	0.30
2,2-Dichloropropane	ND		ug/kg	5.0	0.80
1,2-Dibromoethane	ND		ug/kg	4.0	0.41
1,3-Dichloropropane	ND		ug/kg	5.0	0.56
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33
Bromobenzene	ND		ug/kg	5.0	0.22
n-Butylbenzene	ND		ug/kg	1.0	0.31
sec-Butylbenzene	ND		ug/kg	1.0	0.28
tert-Butylbenzene	ND		ug/kg	5.0	0.60
o-Chlorotoluene	ND		ug/kg	5.0	0.31
p-Chlorotoluene	ND		ug/kg	5.0	0.36
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.84
Hexachlorobutadiene	ND		ug/kg	5.0	0.46
Isopropylbenzene	ND		ug/kg	1.0	0.18
p-Isopropyltoluene	ND		ug/kg	1.0	0.27
Naphthalene	ND		ug/kg	5.0	0.77

Project Name: 285 NIAGARA

Lab Number: L1300928

Project Number: 0236-001-101

Report Date: 01/24/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 01/17/13 12:19
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG585736-3					
Acrylonitrile	ND		ug/kg	10	0.38
Isopropyl Ether	ND		ug/kg	4.0	0.42
tert-Butyl Alcohol	ND		ug/kg	60	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.28
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.40
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.60
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.47
Ethyl Acetate	ND		ug/kg	20	20.
Acrolein	ND		ug/kg	25	3.0
Cyclohexane	ND		ug/kg	20	0.12
1,4-Dioxane	ND		ug/kg	100	17.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.40
1,4-Diethylbenzene	ND		ug/kg	4.0	0.20
4-Ethyltoluene	ND		ug/kg	4.0	0.10
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.18
Tetrahydrofuran	ND		ug/kg	20	1.1
Ethyl ether	ND		ug/kg	5.0	0.38
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.5
Methyl cyclohexane	ND		ug/kg	4.0	0.70
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.88
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	1.0

Tentatively Identified Compounds

Unknown	2.7	J	ug/kg
Unknown	2.6	J	ug/kg
Unknown	2.0	J	ug/kg



Project Name: 285 NIAGARA**Lab Number:** L1300928**Project Number:** 0236-001-101**Report Date:** 01/24/13**Method Blank Analysis**
Batch Quality Control**Analytical Method:** 1,8260C**Analytical Date:** 01/17/13 12:19**Analyst:** BN

Parameter	Result	Qualifier	Units	RL	MDL

Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG585736-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: 285 NIAGARA

Project Number: 0236-001-101

Lab Number: L1300928

Report Date: 01/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG585736-1 WG585736-2								
Methylene chloride	120		124		70-130	3		30
1,1-Dichloroethane	100		103		70-130	3		30
Chloroform	104		106		70-130	2		30
Carbon tetrachloride	97		102		70-130	5		30
1,2-Dichloropropane	103		106		70-130	3		30
Dibromochloromethane	96		97		70-130	1		30
2-Chloroethylvinyl ether	103		106			3		30
1,1,2-Trichloroethane	102		103		70-130	1		30
Tetrachloroethene	93		99		70-130	6		30
Chlorobenzene	95		98		70-130	3		30
Trichlorofluoromethane	95		100		70-139	5		30
1,2-Dichloroethane	98		100		70-130	2		30
1,1,1-Trichloroethane	98		103		70-130	5		30
Bromodichloromethane	103		106		70-130	3		30
trans-1,3-Dichloropropene	94		96		70-130	2		30
cis-1,3-Dichloropropene	106		107		70-130	1		30
1,1-Dichloropropene	101		106		70-130	5		30
Bromoform	86		89		70-130	3		30
1,1,2,2-Tetrachloroethane	93		96		70-130	3		30
Benzene	105		109		70-130	4		30
Toluene	92		97		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285 NIAGARA

Project Number: 0236-001-101

Lab Number: L1300928

Report Date: 01/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG585736-1 WG585736-2								
Ethylbenzene	94		96		70-130	2		30
Chloromethane	97		106		52-130	9		30
Bromomethane	125		139		57-147	11		30
Vinyl chloride	116		126		67-130	8		30
Chloroethane	129		138		50-151	7		30
1,1-Dichloroethene	106		112		65-135	6		30
trans-1,2-Dichloroethene	106		109		70-130	3		30
Trichloroethene	105		108		70-130	3		30
1,2-Dichlorobenzene	91		92		70-130	1		30
1,3-Dichlorobenzene	90		92		70-130	2		30
1,4-Dichlorobenzene	89		93		70-130	4		30
Methyl tert butyl ether	105		106		66-130	1		30
p/m-Xylene	96		99		70-130	3		30
o-Xylene	96		100		70-130	4		30
cis-1,2-Dichloroethene	109		111		70-130	2		30
Dibromomethane	111		112		70-130	1		30
Styrene	99		101		70-130	2		30
Dichlorodifluoromethane	88		100		30-146	13		30
Acetone	121		151	Q	54-140	22		30
Carbon disulfide	103		108		59-130	5		30
2-Butanone	112		135	Q	70-130	19		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 285 NIAGARA

Project Number: 0236-001-101

Lab Number: L1300928

Report Date: 01/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG585736-1 WG585736-2								
Vinyl acetate	96		97		70-130	1		30
4-Methyl-2-pentanone	98		99		70-130	1		30
1,2,3-Trichloropropane	97		94		68-130	3		30
2-Hexanone	89		108		70-130	19		30
Bromochloromethane	112		116		70-130	4		30
2,2-Dichloropropane	98		103		70-130	5		30
1,2-Dibromoethane	97		98		70-130	1		30
1,3-Dichloropropane	97		98		69-130	1		30
1,1,1,2-Tetrachloroethane	96		97		70-130	1		30
Bromobenzene	90		92		70-130	2		30
n-Butylbenzene	88		93		70-130	6		30
sec-Butylbenzene	88		92		70-130	4		30
tert-Butylbenzene	87		91		70-130	4		30
o-Chlorotoluene	87		90		70-130	3		30
p-Chlorotoluene	89		92		70-130	3		30
1,2-Dibromo-3-chloropropane	81		81		68-130	0		30
Hexachlorobutadiene	84		88		67-130	5		30
Isopropylbenzene	87		91		70-130	4		30
p-Isopropyltoluene	89		93		70-130	4		30
Naphthalene	88		89		70-130	1		30
Acrylonitrile	103		103		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285 NIAGARA

Project Number: 0236-001-101

Lab Number: L1300928

Report Date: 01/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG585736-1 WG585736-2								
Isopropyl Ether	91		93		66-130	2		30
tert-Butyl Alcohol	99		102		70-130	3		30
n-Propylbenzene	87		91		70-130	4		30
1,2,3-Trichlorobenzene	88		91		70-130	3		30
1,2,4-Trichlorobenzene	89		92		70-130	3		30
1,3,5-Trimethylbenzene	88		92		70-130	4		30
1,2,4-Trimethylbenzene	89		92		70-130	3		30
Methyl Acetate	90		92		70-130	2		30
Ethyl Acetate	88		98		70-130	11		30
Acrolein	105		110		70-130	5		30
Cyclohexane	84		89		70-130	6		30
1,4-Dioxane	109		109		65-136	0		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	92		99		70-130	7		30
1,4-Diethylbenzene	90		92		70-130	2		30
4-Ethyltoluene	88		92		70-130	4		30
1,2,4,5-Tetramethylbenzene	89		92		70-130	3		30
Tetrahydrofuran	91		91		66-130	0		30
Ethyl ether	110		111		67-130	1		30
trans-1,4-Dichloro-2-butene	85		84		70-130	1		30
Methyl cyclohexane	92		96		70-130	4		30
Ethyl-Tert-Butyl-Ether	99		102		70-130	3		30

Lab Control Sample Analysis Batch Quality Control

Project Name: 285 NIAGARA

Lab Number: L1300928

Project Number: 0236-001-101

Report Date: 01/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG585736-1 WG585736-2								
Tertiary-Amyl Methyl Ether	106		107		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	89		89		70-130
Toluene-d8	92		92		70-130
4-Bromofluorobenzene	96		95		70-130
Dibromofluoromethane	101		101		70-130

SEMIVOLATILES

Project Name: 285 NIAGARA**Lab Number:** L1300928**Project Number:** 0236-001-101**Report Date:** 01/24/13**SAMPLE RESULTS**

Lab ID: L1300928-01 D
 Client ID: SITE GRAVEL
 Sample Location: Not Specified
 Matrix: Solid
 Analytical Method: 1,8270D
 Analytical Date: 01/24/13 09:24
 Analyst: JB
 Percent Solids: 95%

Date Collected: 01/15/13 12:00
 Date Received: 01/16/13
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 01/23/13 11:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	1500	410	2
1,2,4-Trichlorobenzene	ND		ug/kg	1900	560	2
Hexachlorobenzene	ND		ug/kg	1100	300	2
Bis(2-chloroethyl)ether	ND		ug/kg	1700	360	2
2-Chloronaphthalene	ND		ug/kg	1900	570	2
1,2-Dichlorobenzene	ND		ug/kg	1900	560	2
1,3-Dichlorobenzene	ND		ug/kg	1900	590	2
1,4-Dichlorobenzene	ND		ug/kg	1900	540	2
3,3'-Dichlorobenzidine	ND		ug/kg	1900	690	2
2,4-Dinitrotoluene	ND		ug/kg	1900	570	2
2,6-Dinitrotoluene	ND		ug/kg	1900	630	2
Fluoranthene	830	J	ug/kg	1100	250	2
4-Chlorophenyl phenyl ether	ND		ug/kg	1900	340	2
4-Bromophenyl phenyl ether	ND		ug/kg	1900	400	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	2300	540	2
Bis(2-chloroethoxy)methane	ND		ug/kg	2000	480	2
Hexachlorobutadiene	ND		ug/kg	1900	510	2
Hexachlorocyclopentadiene	ND		ug/kg	5500	1500	2
Hexachloroethane	ND		ug/kg	1500	280	2
Isophorone	ND		ug/kg	1700	450	2
Naphthalene	ND		ug/kg	1900	600	2
Nitrobenzene	ND		ug/kg	1700	560	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1500	480	2
n-Nitrosodi-n-propylamine	ND		ug/kg	1900	530	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	1900	390	2
Butyl benzyl phthalate	ND		ug/kg	1900	540	2
Di-n-butylphthalate	ND		ug/kg	1900	320	2
Di-n-octylphthalate	ND		ug/kg	1900	520	2
Diethyl phthalate	ND		ug/kg	1900	330	2
Dimethyl phthalate	ND		ug/kg	1900	310	2
Benzo(a)anthracene	ND		ug/kg	1100	380	2

Project Name: 285 NIAGARA

Lab Number: L1300928

Project Number: 0236-001-101

Report Date: 01/24/13

SAMPLE RESULTS

Lab ID: L1300928-01 D

Date Collected: 01/15/13 12:00

Client ID: SITE GRAVEL

Date Received: 01/16/13

Sample Location: Not Specified

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	1500	450	2
Benzo(b)fluoranthene	360	J	ug/kg	1100	340	2
Benzo(k)fluoranthene	ND		ug/kg	1100	290	2
Chrysene	350	J	ug/kg	1100	300	2
Acenaphthylene	ND		ug/kg	1500	500	2
Anthracene	ND		ug/kg	1100	260	2
Benzo(ghi)perylene	ND		ug/kg	1500	480	2
Fluorene	ND		ug/kg	1900	350	2
Phenanthrene	650	J	ug/kg	1100	320	2
Dibenzo(a,h)anthracene	ND		ug/kg	1100	350	2
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	1500	470	2
Pyrene	610	J	ug/kg	1100	310	2
Biphenyl	ND		ug/kg	4300	1300	2
4-Chloroaniline	ND		ug/kg	1900	640	2
2-Nitroaniline	ND		ug/kg	1900	350	2
3-Nitroaniline	ND		ug/kg	1900	210	2
4-Nitroaniline	ND		ug/kg	1900	1200	2
Dibenzofuran	ND		ug/kg	1900	390	2
2-Methylnaphthalene	ND		ug/kg	2300	750	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1900	610	2
Acetophenone	ND		ug/kg	1900	610	2
2,4,6-Trichlorophenol	ND		ug/kg	1100	350	2
P-Chloro-M-Cresol	ND		ug/kg	1900	390	2
2-Chlorophenol	ND		ug/kg	1900	600	2
2,4-Dichlorophenol	ND		ug/kg	1700	550	2
2,4-Dimethylphenol	ND		ug/kg	1900	790	2
2-Nitrophenol	ND		ug/kg	4100	1400	2
4-Nitrophenol	ND		ug/kg	2700	810	2
2,4-Dinitrophenol	ND		ug/kg	9200	3000	2
4,6-Dinitro-o-cresol	ND		ug/kg	5000	1800	2
Pentachlorophenol	ND		ug/kg	1500	450	2
Phenol	ND		ug/kg	1900	600	2
2-Methylphenol	ND		ug/kg	1900	470	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	2700	820	2
2,4,5-Trichlorophenol	ND		ug/kg	1900	440	2
Benzoic Acid	ND		ug/kg	6200	1600	2
Benzyl Alcohol	ND		ug/kg	1900	440	2
Carbazole	ND		ug/kg	1900	310	2

Project Name: 285 NIAGARA**Lab Number:** L1300928**Project Number:** 0236-001-101**Report Date:** 01/24/13**SAMPLE RESULTS**

Lab ID: L1300928-01 D

Date Collected: 01/15/13 12:00

Client ID: SITE GRAVEL

Date Received: 01/16/13

Sample Location: Not Specified

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	93		25-120
Phenol-d6	100		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	88		30-120
2,4,6-Tribromophenol	21		0-136
4-Terphenyl-d14	109		18-120

Project Name: 285 NIAGARA

Lab Number: L1300928

Project Number: 0236-001-101

Report Date: 01/24/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 01/24/13 08:05
 Analyst: JB

Extraction Method: EPA 3540C
 Extraction Date: 01/23/13 11:30

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG586575-1					
Acenaphthene	ND		ug/kg	750	200
1,2,4-Trichlorobenzene	ND		ug/kg	930	270
Hexachlorobenzene	ND		ug/kg	560	140
Bis(2-chloroethyl)ether	ND		ug/kg	840	180
2-Chloronaphthalene	ND		ug/kg	930	280
1,2-Dichlorobenzene	ND		ug/kg	930	270
1,3-Dichlorobenzene	ND		ug/kg	930	290
1,4-Dichlorobenzene	ND		ug/kg	930	260
3,3'-Dichlorobenzidine	ND		ug/kg	930	340
2,4-Dinitrotoluene	ND		ug/kg	930	280
2,6-Dinitrotoluene	ND		ug/kg	930	310
Fluoranthene	ND		ug/kg	560	120
4-Chlorophenyl phenyl ether	ND		ug/kg	930	160
4-Bromophenyl phenyl ether	ND		ug/kg	930	190
Bis(2-chloroisopropyl)ether	ND		ug/kg	1100	260
Bis(2-chloroethoxy)methane	ND		ug/kg	1000	230
Hexachlorobutadiene	ND		ug/kg	930	250
Hexachlorocyclopentadiene	ND		ug/kg	2700	740
Hexachloroethane	ND		ug/kg	750	130
Isophorone	ND		ug/kg	840	220
Naphthalene	ND		ug/kg	930	300
Nitrobenzene	ND		ug/kg	840	270
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	750	230
n-Nitrosodi-n-propylamine	ND		ug/kg	930	260
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	930	190
Butyl benzyl phthalate	ND		ug/kg	930	260
Di-n-butylphthalate	ND		ug/kg	930	160
Di-n-octylphthalate	ND		ug/kg	930	250
Diethyl phthalate	ND		ug/kg	930	160
Dimethyl phthalate	ND		ug/kg	930	150
Benzo(a)anthracene	ND		ug/kg	560	180

Project Name: 285 NIAGARA

Lab Number: L1300928

Project Number: 0236-001-101

Report Date: 01/24/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 01/24/13 08:05
 Analyst: JB

Extraction Method: EPA 3540C
 Extraction Date: 01/23/13 11:30

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG586575-1					
Benzo(a)pyrene	ND		ug/kg	750	220
Benzo(b)fluoranthene	ND		ug/kg	560	160
Benzo(k)fluoranthene	ND		ug/kg	560	140
Chrysene	ND		ug/kg	560	140
Acenaphthylene	ND		ug/kg	750	240
Anthracene	ND		ug/kg	560	130
Benzo(ghi)perylene	ND		ug/kg	750	240
Fluorene	ND		ug/kg	930	170
Phenanthrene	ND		ug/kg	560	160
Dibenzo(a,h)anthracene	ND		ug/kg	560	170
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	750	230
Pyrene	ND		ug/kg	560	150
Biphenyl	ND		ug/kg	2100	650
4-Chloroaniline	ND		ug/kg	930	310
2-Nitroaniline	ND		ug/kg	930	170
3-Nitroaniline	ND		ug/kg	930	100
4-Nitroaniline	ND		ug/kg	930	570
Dibenzofuran	ND		ug/kg	930	190
2-Methylnaphthalene	ND		ug/kg	1100	370
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	930	300
Acetophenone	ND		ug/kg	930	300
2,4,6-Trichlorophenol	ND		ug/kg	560	170
P-Chloro-M-Cresol	ND		ug/kg	930	190
2-Chlorophenol	ND		ug/kg	930	290
2,4-Dichlorophenol	ND		ug/kg	840	270
2,4-Dimethylphenol	ND		ug/kg	930	380
2-Nitrophenol	ND		ug/kg	2000	680
4-Nitrophenol	ND		ug/kg	1300	400
2,4-Dinitrophenol	ND		ug/kg	4500	1400
4,6-Dinitro-o-cresol	ND		ug/kg	2400	880
Pentachlorophenol	ND		ug/kg	750	220



Project Name: 285 NIAGARA

Lab Number: L1300928

Project Number: 0236-001-101

Report Date: 01/24/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 01/24/13 08:05
 Analyst: JB

Extraction Method: EPA 3540C
 Extraction Date: 01/23/13 11:30

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG586575-1					
Phenol	ND		ug/kg	930	290
2-Methylphenol	ND		ug/kg	930	230
3-Methylphenol/4-Methylphenol	ND		ug/kg	1300	400
2,4,5-Trichlorophenol	ND		ug/kg	930	220
Benzoic Acid	ND		ug/kg	3000	790
Benzyl Alcohol	ND		ug/kg	930	220
Carbazole	ND		ug/kg	930	150

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	107		25-120
Phenol-d6	107		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	98		30-120
2,4,6-Tribromophenol	99		0-136
4-Terphenyl-d14	97		18-120

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 285 NIAGARA

Project Number: 0236-001-101

Lab Number: L1300928

Report Date: 01/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG586575-2 WG586575-3								
Acenaphthene	106		101		31-137	5		50
1,2,4-Trichlorobenzene	95		81		38-107	16		50
Hexachlorobenzene	109		104		40-140	5		50
Bis(2-chloroethyl)ether	86		75		40-140	14		50
2-Chloronaphthalene	100		93		40-140	7		50
1,2-Dichlorobenzene	88		75		40-140	16		50
1,3-Dichlorobenzene	87		74		40-140	16		50
1,4-Dichlorobenzene	87		74		28-104	16		50
3,3'-Dichlorobenzidine	5	Q	47		40-140	162	Q	50
2,4-Dinitrotoluene	123	Q	115	Q	28-89	7		50
2,6-Dinitrotoluene	116		111		40-140	4		50
Fluoranthene	121		116		40-140	4		50
4-Chlorophenyl phenyl ether	113		106		40-140	6		50
4-Bromophenyl phenyl ether	117		114		40-140	3		50
Bis(2-chloroisopropyl)ether	85		76		40-140	11		50
Bis(2-chloroethoxy)methane	88		79		40-117	11		50
Hexachlorobutadiene	100		84		40-140	17		50
Hexachlorocyclopentadiene	88		64		40-140	32		50
Hexachloroethane	86		72		40-140	18		50
Isophorone	88		82		40-140	7		50
Naphthalene	96		83		40-140	15		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285 NIAGARA

Project Number: 0236-001-101

Lab Number: L1300928

Report Date: 01/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG586575-2 WG586575-3								
Nitrobenzene	97		82		40-140	17		50
NitrosoDiPhenylAmine(NDPA)/DPA	112		114			2		50
n-Nitrosodi-n-propylamine	87		79		32-121	10		50
Bis(2-Ethylhexyl)phthalate	113		116		40-140	3		50
Butyl benzyl phthalate	108		106		40-140	2		50
Di-n-butylphthalate	130		129		40-140	1		50
Di-n-octylphthalate	112		114		40-140	2		50
Diethyl phthalate	121		114		40-140	6		50
Dimethyl phthalate	114		110		40-140	4		50
Benzo(a)anthracene	117		117		40-140	0		50
Benzo(a)pyrene	136		126		40-140	8		50
Benzo(b)fluoranthene	136		126		40-140	8		50
Benzo(k)fluoranthene	143	Q	122		40-140	16		50
Chrysene	112		108		40-140	4		50
Acenaphthylene	103		101		40-140	2		50
Anthracene	117		117		40-140	0		50
Benzo(ghi)perylene	117		112		40-140	4		50
Fluorene	114		107		40-140	6		50
Phenanthrene	111		110		40-140	1		50
Dibenzo(a,h)anthracene	127		118		40-140	7		50
Indeno(1,2,3-cd)Pyrene	124		118		40-140	5		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285 NIAGARA

Project Number: 0236-001-101

Lab Number: L1300928

Report Date: 01/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG586575-2 WG586575-3								
Pyrene	115		115		35-142	0		50
Biphenyl	101		97			4		50
4-Chloroaniline	130		106		40-140	20		50
2-Nitroaniline	101		96		47-134	5		50
3-Nitroaniline	14	Q	47		26-129	108	Q	50
4-Nitroaniline	95		109		41-125	14		50
Dibenzofuran	107		101		40-140	6		50
2-Methylnaphthalene	100		90		40-140	11		50
1,2,4,5-Tetrachlorobenzene	97		91		40-117	6		50
Acetophenone	91		82		14-144	10		50
2,4,6-Trichlorophenol	120		112		30-130	7		50
P-Chloro-M-Cresol	124	Q	112	Q	26-103	10		50
2-Chlorophenol	102		88		25-102	15		50
2,4-Dichlorophenol	120		106		30-130	12		50
2,4-Dimethylphenol	103		91		30-130	12		50
2-Nitrophenol	91		83		30-130	9		50
4-Nitrophenol	127	Q	117	Q	11-114	8		50
2,4-Dinitrophenol	98		96		4-130	2		50
4,6-Dinitro-o-cresol	101		101		10-130	0		50
Pentachlorophenol	127	Q	123	Q	17-109	3		50
Phenol	94	Q	82		26-90	14		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285 NIAGARA

Project Number: 0236-001-101

Lab Number: L1300928

Report Date: 01/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG586575-2 WG586575-3								
2-Methylphenol	102		91		30-130.	11		50
3-Methylphenol/4-Methylphenol	102		92		30-130	10		50
2,4,5-Trichlorophenol	126		115		30-130	9		50
Benzoic Acid	100		97			3		50
Benzyl Alcohol	93		90		40-140	3		50
Carbazole	105		116		54-128	10		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	105		90		25-120
Phenol-d6	105		92		10-120
Nitrobenzene-d5	90		74		23-120
2-Fluorobiphenyl	99		92		30-120
2,4,6-Tribromophenol	130		125		0-136
4-Terphenyl-d14	115		109		18-120

PCBS

Project Name: 285 NIAGARA**Lab Number:** L1300928**Project Number:** 0236-001-101**Report Date:** 01/24/13**SAMPLE RESULTS**

Lab ID: L1300928-01
Client ID: SITE GRAVEL
Sample Location: Not Specified
Matrix: Solid
Analytical Method: 1,8082A
Analytical Date: 01/21/13 16:48
Analyst: SH
Percent Solids: 95%

Date Collected: 01/15/13 12:00
Date Received: 01/16/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 01/19/13 17:15
Cleanup Method1: EPA 3665A
Cleanup Date1: 01/20/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 01/20/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	101	19.9	1
Aroclor 1221	ND		ug/kg	101	30.4	1
Aroclor 1232	ND		ug/kg	101	21.4	1
Aroclor 1242	ND		ug/kg	101	19.1	1
Aroclor 1248	ND		ug/kg	101	12.2	1
Aroclor 1254	ND		ug/kg	101	15.9	1
Aroclor 1260	ND		ug/kg	101	17.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	57		30-150
Decachlorobiphenyl	60		30-150
2,4,5,6-Tetrachloro-m-xylene	57		30-150
Decachlorobiphenyl	69		30-150

Project Name: 285 NIAGARA

Lab Number: L1300928

Project Number: 0236-001-101

Report Date: 01/24/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 01/21/13 15:52
 Analyst: SH

Extraction Method: EPA 3540C
 Extraction Date: 01/19/13 17:15
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 01/20/13
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 01/20/13

Parameter	Result	Qualifier	Units	RL	MDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG585917-1					
Aroclor 1016	ND		ug/kg	33.1	6.54
Aroclor 1221	ND		ug/kg	33.1	9.98
Aroclor 1232	ND		ug/kg	33.1	7.03
Aroclor 1242	ND		ug/kg	33.1	6.28
Aroclor 1248	ND		ug/kg	33.1	4.00
Aroclor 1254	ND		ug/kg	33.1	5.22
Aroclor 1260	ND		ug/kg	33.1	5.74

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	58		30-150
Decachlorobiphenyl	59		30-150
2,4,5,6-Tetrachloro-m-xylene	61		30-150
Decachlorobiphenyl	66		30-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285 NIAGARA

Project Number: 0236-001-101

Lab Number: L1300928

Report Date: 01/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG585917-2 WG585917-3								
Aroclor 1016	60		68		40-140	13		50
Aroclor 1260	57		66		40-140	15		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	56		61		30-150
Decachlorobiphenyl	60		69		30-150
2,4,5,6-Tetrachloro-m-xylene	51		60		30-150
Decachlorobiphenyl	58		70		30-150

PESTICIDES

Project Name: 285 NIAGARA**Lab Number:** L1300928**Project Number:** 0236-001-101**Report Date:** 01/24/13**SAMPLE RESULTS**

Lab ID: L1300928-01
Client ID: SITE GRAVEL
Sample Location: Not Specified
Matrix: Solid
Analytical Method: 1,8081B
Analytical Date: 01/22/13 07:43
Analyst: BW
Percent Solids: 95%

Date Collected: 01/15/13 12:00
Date Received: 01/16/13
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 01/19/13 12:00
Cleanup Method1: EPA 3620B
Cleanup Date1: 01/20/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	4.53	0.887	1
Lindane	ND		ug/kg	1.89	0.843	1
Alpha-BHC	ND		ug/kg	1.89	0.536	1
Beta-BHC	ND		ug/kg	4.53	1.72	1
Heptachlor	ND		ug/kg	2.26	1.01	1
Aldrin	ND		ug/kg	4.53	1.59	1
Heptachlor epoxide	ND		ug/kg	8.49	2.55	1
Endrin	ND		ug/kg	1.89	0.773	1
Endrin ketone	ND		ug/kg	4.53	1.16	1
Dieldrin	ND		ug/kg	2.83	1.41	1
4,4'-DDE	15.2		ug/kg	4.53	1.05	1
4,4'-DDD	ND		ug/kg	4.53	1.61	1
4,4'-DDT	ND		ug/kg	8.49	3.64	1
Endosulfan I	ND		ug/kg	4.53	1.07	1
Endosulfan II	ND		ug/kg	4.53	1.51	1
Endosulfan sulfate	ND		ug/kg	1.89	0.862	1
Methoxychlor	ND		ug/kg	8.49	2.64	1
Toxaphene	ND		ug/kg	84.9	23.8	1
cis-Chlordane	ND		ug/kg	5.66	1.58	1
trans-Chlordane	ND		ug/kg	5.66	1.49	1
Chlordane	ND		ug/kg	36.8	15.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	86		30-150	B

Project Name: 285 NIAGARA**Lab Number:** L1300928**Project Number:** 0236-001-101**Report Date:** 01/24/13**SAMPLE RESULTS**

Lab ID: L1300928-01
Client ID: SITE GRAVEL
Sample Location: Not Specified
Matrix: Solid
Analytical Method: 1,8151A
Analytical Date: 01/22/13 10:13
Analyst: BW
Percent Solids: 95%

Date Collected: 01/15/13 12:00
Date Received: 01/16/13
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 01/21/13 11:52
Methylation Date: 01/22/13 06:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Chlorinated Herbicides by GC - Westborough Lab						
2,4-D	ND		ug/kg	172	21.0	1
2,4,5-T	ND		ug/kg	172	10.8	1
2,4,5-TP (Silvex)	ND		ug/kg	172	9.51	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	77		30-150	A
DCAA	75		30-150	B

Project Name: 285 NIAGARA

Lab Number: L1300928

Project Number: 0236-001-101

Report Date: 01/24/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 01/22/13 07:31
 Analyst: BW

Extraction Method: EPA 3540C
 Extraction Date: 01/19/13 12:00
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 01/20/13

Parameter	Result	Qualifier	Units	RL	MDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG585875-1					
Delta-BHC	ND		ug/kg	4.47	0.875
Lindane	ND		ug/kg	1.86	0.832
Alpha-BHC	ND		ug/kg	1.86	0.529
Beta-BHC	ND		ug/kg	4.47	1.69
Heptachlor	ND		ug/kg	2.23	1.00
Aldrin	ND		ug/kg	4.47	1.57
Heptachlor epoxide	ND		ug/kg	8.38	2.51
Endrin	ND		ug/kg	1.86	0.764
Endrin ketone	ND		ug/kg	4.47	1.15
Dieldrin	ND		ug/kg	2.79	1.40
4,4'-DDE	ND		ug/kg	4.47	1.03
4,4'-DDD	ND		ug/kg	4.47	1.59
4,4'-DDT	ND		ug/kg	8.38	3.59
Endosulfan I	ND		ug/kg	4.47	1.06
Endosulfan II	ND		ug/kg	4.47	1.49
Endosulfan sulfate	ND		ug/kg	1.86	0.851
Methoxychlor	ND		ug/kg	8.38	2.61
Toxaphene	ND		ug/kg	83.8	23.5
cis-Chlordane	ND		ug/kg	5.59	1.56
trans-Chlordane	ND		ug/kg	5.59	1.47
Chlordane	ND		ug/kg	36.3	14.8

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	120		30-150	B

Project Name: 285 NIAGARA

Lab Number: L1300928

Project Number: 0236-001-101

Report Date: 01/24/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8151A
 Analytical Date: 01/22/13 09:13
 Analyst: BW

Extraction Method: EPA 8151A
 Extraction Date: 01/21/13 11:52

Methylation Date: 01/22/13 06:04

Parameter	Result	Qualifier	Units	RL	MDL
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01 Batch: WG586086-1					
2,4-D	ND		ug/kg	166	20.2
2,4,5-T	ND		ug/kg	166	10.4
2,4,5-TP (Silvex)	ND		ug/kg	166	9.17

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	76		30-150	A
DCAA	78		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285 NIAGARA

Project Number: 0236-001-101

Lab Number: L1300928

Report Date: 01/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG585875-2 WG585875-3								
Delta-BHC	71		72		30-150	1		30
Lindane	76		76		30-150	0		30
Alpha-BHC	77		77		30-150	0		30
Beta-BHC	75		76		30-150	1		30
Heptachlor	80		80		30-150	0		30
Aldrin	92		92		30-150	0		30
Heptachlor epoxide	90		91		30-150	1		30
Endrin	119		118		30-150	1		30
Endrin ketone	102		105		30-150	3		30
Dieldrin	103		104		30-150	1		30
4,4'-DDE	82		73		30-150	12		30
4,4'-DDD	110		114		30-150	4		30
4,4'-DDT	107		111		30-150	4		30
Endosulfan I	98		100		30-150	2		30
Endosulfan II	104		108		30-150	4		30
Endosulfan sulfate	97		103		30-150	6		30
Methoxychlor	125		126		30-150	1		30
cis-Chlordane	93		96		30-150	3		30
trans-Chlordane	96		98		30-150	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285 NIAGARA

Project Number: 0236-001-101

Lab Number: L1300928

Report Date: 01/24/13

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

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG585875-2 WG585875-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		95		30-150	A
Decachlorobiphenyl	74		85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		69		30-150	B
Decachlorobiphenyl	113		122		30-150	B

Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01 Batch: WG586086-2 WG586086-3

2,4-D	90		87		30-150	3	30
2,4,5-T	95		72		30-150	28	30
2,4,5-TP (Silvex)	86		65		30-150	28	30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	84		58		30-150	A
DCAA	95		72		30-150	B

METALS

Project Name: 285 NIAGARA

Lab Number: L1300928

Project Number: 0236-001-101

Report Date: 01/24/13

SAMPLE RESULTS

Lab ID: L1300928-01

Date Collected: 01/15/13 12:00

Client ID: SITE GRAVEL

Date Received: 01/16/13

Sample Location: Not Specified

Field Prep: Not Specified

Matrix: Solid

Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3600		mg/kg	4.1	0.82	1	01/22/13 08:20	01/22/13 15:09	EPA 3050B	1,6010C	MG
Antimony, Total	1.3	J	mg/kg	2.0	0.41	1	01/22/13 08:20	01/22/13 15:09	EPA 3050B	1,6010C	MG
Arsenic, Total	3.0		mg/kg	0.41	0.12	1	01/22/13 08:20	01/22/13 15:09	EPA 3050B	1,6010C	MG
Barium, Total	30		mg/kg	0.41	0.12	1	01/22/13 08:20	01/22/13 15:09	EPA 3050B	1,6010C	MG
Beryllium, Total	0.35		mg/kg	0.20	0.02	1	01/22/13 08:20	01/22/13 15:09	EPA 3050B	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.41	0.03	1	01/22/13 08:20	01/22/13 15:09	EPA 3050B	1,6010C	MG
Calcium, Total	190000		mg/kg	410	82.	100	01/22/13 08:20	01/22/13 15:26	EPA 3050B	1,6010C	MG
Chromium, Total	6.5		mg/kg	0.41	0.08	1	01/22/13 08:20	01/22/13 15:09	EPA 3050B	1,6010C	MG
Cobalt, Total	1.7		mg/kg	0.82	0.20	1	01/22/13 08:20	01/22/13 15:09	EPA 3050B	1,6010C	MG
Copper, Total	6.3		mg/kg	0.41	0.20	1	01/22/13 08:20	01/22/13 15:09	EPA 3050B	1,6010C	MG
Iron, Total	6200		mg/kg	4.0	0.82	1	01/22/13 08:20	01/22/13 15:09	EPA 3050B	1,6010C	MG
Lead, Total	17		mg/kg	2.0	0.12	1	01/22/13 08:20	01/22/13 15:09	EPA 3050B	1,6010C	MG
Magnesium, Total	53000		mg/kg	410	160	100	01/22/13 08:20	01/22/13 15:26	EPA 3050B	1,6010C	MG
Manganese, Total	730		mg/kg	0.41	0.08	1	01/22/13 08:20	01/22/13 15:09	EPA 3050B	1,6010C	MG
Mercury, Total	0.02	J	mg/kg	0.07	0.02	1	01/21/13 17:12	01/22/13 11:28	EPA 7471B	1,7471B	TT
Nickel, Total	4.8		mg/kg	1.0	0.16	1	01/22/13 08:20	01/22/13 15:09	EPA 3050B	1,6010C	MG
Potassium, Total	710		mg/kg	100	33.	1	01/22/13 08:20	01/22/13 15:09	EPA 3050B	1,6010C	MG
Selenium, Total	0.73	J	mg/kg	0.82	0.12	1	01/22/13 08:20	01/22/13 15:09	EPA 3050B	1,6010C	MG
Silver, Total	0.16	J	mg/kg	0.41	0.08	1	01/22/13 08:20	01/22/13 15:09	EPA 3050B	1,6010C	MG
Sodium, Total	160		mg/kg	82	33.	1	01/22/13 08:20	01/22/13 15:09	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	0.82	0.25	1	01/22/13 08:20	01/22/13 15:09	EPA 3050B	1,6010C	MG
Vanadium, Total	7.2		mg/kg	0.41	0.08	1	01/22/13 08:20	01/22/13 15:09	EPA 3050B	1,6010C	MG
Zinc, Total	33		mg/kg	2.0	0.20	1	01/22/13 08:20	01/22/13 15:09	EPA 3050B	1,6010C	MG



Project Name: 285 NIAGARA

Lab Number: L1300928

Project Number: 0236-001-101

Report Date: 01/24/13

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 Batch: WG585503-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	01/21/13 17:12	01/22/13 11:20	1,7471B	TT

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG586242-1										
Aluminum, Total	1.7	J	mg/kg	4.0	0.80	1	01/22/13 08:20	01/22/13 15:04	1,6010C	MG
Antimony, Total	0.77	J	mg/kg	2.0	0.40	1	01/22/13 08:20	01/22/13 15:04	1,6010C	MG
Arsenic, Total	0.28	J	mg/kg	0.40	0.12	1	01/22/13 08:20	01/22/13 15:04	1,6010C	MG
Barium, Total	ND		mg/kg	0.40	0.12	1	01/22/13 08:20	01/22/13 15:04	1,6010C	MG
Beryllium, Total	ND		mg/kg	0.20	0.02	1	01/22/13 08:20	01/22/13 15:04	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.40	0.02	1	01/22/13 08:20	01/22/13 15:04	1,6010C	MG
Calcium, Total	ND		mg/kg	4.0	0.80	1	01/22/13 08:20	01/22/13 15:04	1,6010C	MG
Chromium, Total	0.12	J	mg/kg	0.40	0.08	1	01/22/13 08:20	01/22/13 15:04	1,6010C	MG
Cobalt, Total	ND		mg/kg	0.80	0.20	1	01/22/13 08:20	01/22/13 15:04	1,6010C	MG
Copper, Total	0.25	J	mg/kg	0.40	0.20	1	01/22/13 08:20	01/22/13 15:04	1,6010C	MG
Iron, Total	3.2	J	mg/kg	4.0	0.80	1	01/22/13 08:20	01/22/13 15:04	1,6010C	MG
Lead, Total	0.21	J	mg/kg	2.0	0.12	1	01/22/13 08:20	01/22/13 15:04	1,6010C	MG
Magnesium, Total	ND		mg/kg	4.0	1.6	1	01/22/13 08:20	01/22/13 15:04	1,6010C	MG
Manganese, Total	ND		mg/kg	0.40	0.08	1	01/22/13 08:20	01/22/13 15:04	1,6010C	MG
Nickel, Total	ND		mg/kg	1.0	0.16	1	01/22/13 08:20	01/22/13 15:04	1,6010C	MG
Potassium, Total	ND		mg/kg	100	32.	1	01/22/13 08:20	01/22/13 15:04	1,6010C	MG
Selenium, Total	ND		mg/kg	0.80	0.12	1	01/22/13 08:20	01/22/13 15:04	1,6010C	MG
Silver, Total	0.10	J	mg/kg	0.40	0.08	1	01/22/13 08:20	01/22/13 15:04	1,6010C	MG
Sodium, Total	ND		mg/kg	80	32.	1	01/22/13 08:20	01/22/13 15:04	1,6010C	MG
Thallium, Total	ND		mg/kg	0.80	0.24	1	01/22/13 08:20	01/22/13 15:04	1,6010C	MG
Vanadium, Total	ND		mg/kg	0.40	0.08	1	01/22/13 08:20	01/22/13 15:04	1,6010C	MG
Zinc, Total	0.34	J	mg/kg	2.0	0.20	1	01/22/13 08:20	01/22/13 15:04	1,6010C	MG

Project Name: 285 NIAGARA

Lab Number: L1300928

Project Number: 0236-001-101

Report Date: 01/24/13

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis
Batch Quality Control**Project Name:** 285 NIAGARA**Project Number:** 0236-001-101**Lab Number:** L1300928**Report Date:** 01/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG585503-2 SRM Lot Number: 0518-10-02								
Mercury, Total	130		-		67-133	-		

Lab Control Sample Analysis Batch Quality Control

Project Name: 285 NIAGARA

Project Number: 0236-001-101

Lab Number: L1300928

Report Date: 01/24/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG586242-2					
Aluminum, Total	94	-	75-125	-	
Antimony, Total	86	-	75-125	-	
Arsenic, Total	96	-	75-125	-	
Barium, Total	87	-	75-125	-	
Beryllium, Total	91	-	75-125	-	
Cadmium, Total	90	-	75-125	-	
Calcium, Total	86	-	75-125	-	
Chromium, Total	87	-	75-125	-	
Cobalt, Total	86	-	75-125	-	
Copper, Total	86	-	75-125	-	
Iron, Total	87	-	75-125	-	
Lead, Total	84	-	75-125	-	
Magnesium, Total	86	-	75-125	-	
Manganese, Total	86	-	75-125	-	
Nickel, Total	83	-	75-125	-	
Potassium, Total	90	-	75-125	-	
Selenium, Total	93	-	75-125	-	
Silver, Total	90	-	75-125	-	
Sodium, Total	97	-	75-125	-	
Thallium, Total	88	-	75-125	-	
Vanadium, Total	91	-	75-125	-	

Lab Control Sample Analysis
Batch Quality Control**Project Name:** 285 NIAGARA**Project Number:** 0236-001-101**Lab Number:** L1300928**Report Date:** 01/24/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG586242-2					
Zinc, Total	89	-	75-125	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: 285 NIAGARA

Lab Number: L1300928

Project Number: 0236-001-101

Report Date: 01/24/13

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 QC Batch ID: WG585503-4 QC Sample: L1300928-01 Client ID: SITE GRAVEL												
Mercury, Total	0.02J	0.169	0.25	148	Q	-	-		70-130	-		35

Matrix Spike Analysis

Batch Quality Control

Project Name: 285 NIAGARA

Project Number: 0236-001-101

Lab Number: L1300928

Report Date: 01/24/13

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 QC Batch ID: WG586242-4 QC Sample: L1300928-01 Client ID: SITE GRAVEL									
Aluminum, Total	3600	162	4900	801	Q	-	-	75-125	- 35
Antimony, Total	1.3J	40.6	14	34	Q	-	-	75-125	- 35
Arsenic, Total	3.0	9.74	11	82		-	-	75-125	- 35
Barium, Total	30.	162	160	80		-	-	75-125	- 35
Beryllium, Total	0.35	4.06	3.7	82		-	-	75-125	- 35
Cadmium, Total	ND	4.14	2.9	70	Q	-	-	75-125	- 35
Calcium, Total	190000	812	190000	0	Q	-	-	75-125	- 35
Chromium, Total	6.5	16.2	18	71	Q	-	-	75-125	- 35
Cobalt, Total	1.7	40.6	29	67	Q	-	-	75-125	- 35
Copper, Total	6.3	20.3	22	77		-	-	75-125	- 35
Iron, Total	6200	81.2	5700	0	Q	-	-	75-125	- 35
Lead, Total	17.	41.4	44	65	Q	-	-	75-125	- 35
Magnesium, Total	53000	812	42000	0	Q	-	-	75-125	- 35
Manganese, Total	730	40.6	550	0	Q	-	-	75-125	- 35
Nickel, Total	4.8	40.6	30	62	Q	-	-	75-125	- 35
Potassium, Total	710	812	1400	85		-	-	75-125	- 35
Selenium, Total	0.73J	9.74	8.5	87		-	-	75-125	- 35
Silver, Total	0.16J	24.3	20	82		-	-	75-125	- 35
Sodium, Total	160	812	680	64	Q	-	-	75-125	- 35
Thallium, Total	ND	9.74	6.8	70	Q	-	-	75-125	- 35
Vanadium, Total	7.2	40.6	39	78		-	-	75-125	- 35

Matrix Spike Analysis
Batch Quality Control**Project Name:** 285 NIAGARA**Project Number:** 0236-001-101**Lab Number:** L1300928**Report Date:** 01/24/13

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 QC Batch ID: WG586242-4 QC Sample: L1300928-01 Client ID: SITE GRAVEL									
Zinc, Total	33.	40.6	72	96	-	-	75-125	-	35

Lab Duplicate Analysis
Batch Quality Control

Project Name: 285 NIAGARA

Project Number: 0236-001-101

Lab Number: L1300928

Report Date: 01/24/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG585503-3 QC Sample: L1300928-01 Client ID: SITE GRAVEL						
Mercury, Total	0.02J	0.02J	mg/kg	NC		35

Lab Duplicate Analysis Batch Quality Control

Project Name: 285 NIAGARA

Project Number: 0236-001-101

Lab Number: L1300928

Report Date: 01/24/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG586242-3 QC Sample: L1300928-01 Client ID: SITE GRAVEL					
Aluminum, Total	3600	5200	mg/kg	36	Q 35
Antimony, Total	1.3J	1.2J	mg/kg	NC	35
Arsenic, Total	3.0	3.4	mg/kg	13	35
Barium, Total	30.	42	mg/kg	33	35
Beryllium, Total	0.35	0.72	mg/kg	69	Q 35
Cadmium, Total	ND	0.55	mg/kg	NC	35
Chromium, Total	6.5	7.3	mg/kg	12	35
Cobalt, Total	1.7	1.9	mg/kg	11	35
Copper, Total	6.3	6.8	mg/kg	8	35
Iron, Total	6200	5900	mg/kg	5	35
Lead, Total	17.	18	mg/kg	6	35
Manganese, Total	730	620	mg/kg	16	35
Nickel, Total	4.8	5.5	mg/kg	14	35
Potassium, Total	710	740	mg/kg	4	35
Selenium, Total	0.73J	0.66J	mg/kg	NC	35
Silver, Total	0.16J	0.18J	mg/kg	NC	35
Sodium, Total	160	180	mg/kg	12	35
Thallium, Total	ND	ND	mg/kg	NC	35
Vanadium, Total	7.2	8.0	mg/kg	11	35

Project Name: 285 NIAGARA
Project Number: 0236-001-101

Lab Duplicate Analysis

Batch Quality Control

Lab Number: L1300928
Report Date: 01/24/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG586242-3 QC Sample: L1300928-01 Client ID: SITE GRAVEL					
Zinc, Total	33.	180	mg/kg	138	Q 35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG586242-3 QC Sample: L1300928-01 Client ID: SITE GRAVEL					
Calcium, Total	190000	160000	mg/kg	17	35
Magnesium, Total	53000	35000	mg/kg	41	Q 35

INORGANICS & MISCELLANEOUS

Project Name: 285 NIAGARA**Project Number:** 0236-001-101**Lab Number:** L1300928**Report Date:** 01/24/13**SAMPLE RESULTS****Lab ID:** L1300928-01**Client ID:** SITE GRAVEL**Sample Location:** Not Specified**Matrix:** Solid**Date Collected:** 01/15/13 12:00**Date Received:** 01/16/13**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	95		%	0.10	NA	1	-	01/20/13 12:20	30,2540G	TA



Lab Duplicate Analysis
Batch Quality Control

Project Name: 285 NIAGARA

Project Number: 0236-001-101

Lab Number: L1300928

Report Date: 01/24/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG585944-1 QC Sample: L1300928-01 Client ID: SITE GRAVEL						
Solids, Total	95.	96	%	1		20

Project Name: 285 NIAGARA

Project Number: 0236-001-101

Lab Number: L1300928

Report Date: 01/24/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1300928-01A	Amber 250ml unpreserved	A	N/A	6	Y	Absent	NYTCL-8260(14)
L1300928-01B	Amber 250ml unpreserved	A	N/A	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),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180),NYTCL-8082-3540C(14)

Container Comments

L1300928-01B

*Values in parentheses indicate holding time in days

Project Name: 285 NIAGARA
Project Number: 0236-001-101

Lab Number: L1300928
Report Date: 01/24/13

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

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

Terms

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 five times (5x) 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.
- 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 RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers



Project Name: 285 NIAGARA
Project Number: 0236-001-101

Lab Number: L1300928
Report Date: 01/24/13

Data Qualifiers

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.
- 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: 285 NIAGARA
Project Number: 0236-001-101

Lab Number: L1300928
Report Date: 01/24/13

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.
- 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.



Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. **NELAP Accredited Solid Waste/Soil.**

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.

Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500CI-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500CI-D, 4500CI-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.

Drinking Water (Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; Colilert/QT SM9223B; MF-SM9222D.)

Non-Potable Water (Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: 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-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. *Microbiology Parameters:* (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. *Organic Parameters:* 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. *Organic Parameters:* SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. *Organic Parameters:* SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. *Organic Parameters:* EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500CI-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. *Organic Parameters:* SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. *Organic Parameters:* SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. *Organic Parameters:* EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. *Organic Parameters:* EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. *Organic Parameters:* EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500CI-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311, 1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. **NELAP Accredited.**

Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A, 3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P, BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500CI-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. **NELAP Accredited via NJ-DEP.**

Refer to MA-DEP Certificate for Potable and Non-Potable Water.

Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commissoon on Environmental Quality Certificate/Lab ID: T104704476. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S²⁻D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. **NELAP Accredited.**

Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CI-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.

Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:

EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methyl naphthalenes, Total Dimethyl naphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO₂ in a soil matrix, NO₃ in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.



ANALYTICAL REPORT

Lab Number:	L1307717
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Mike Lesakowski
Phone:	(716) 856-0599
Project Name:	285 NIAGARA ST SITE
Project Number:	0236-001-102 (005)
Report Date:	05/02/13

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

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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



Project Name: 285 NIAGARA ST SITE
Project Number: 0236-001-102 (005)

Lab Number: L1307717
Report Date: 05/02/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1307717-01	TP-A (R)	285 NIAGARA ST	05/01/13 09:30
L1307717-02	TP-B	285 NIAGARA ST	05/01/13 10:00

Project Name: 285 NIAGARA ST SITE
Project Number: 0236-001-102 (005)

Lab Number: L1307717
Report Date: 05/02/13

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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 free of charge for 30 days from the date the project is completed. After 30 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.

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

Project Name: 285 NIAGARA ST SITE
Project Number: 0236-001-102 (005)

Lab Number: L1307717
Report Date: 05/02/13

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.

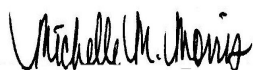
Pesticides

The dual column RPD for L1307717-01 is above the acceptance criteria for 4,4'-DDE, cis-Chlordane, and trans-Chlordane; however, obvious column interferences are present. Due to these interferences, the lower of the two results is reported and qualified with a "P".

The dual column RPDs for L1307717-02 are above the acceptance criteria for Dieldrin, 4,4'-DDE, cis-Chlordane, and trans-Chlordane; however, obvious column interferences are present. Due to these interferences, the lower of the two results is reported and qualified with a "P".

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

Authorized Signature:



Michelle M. Morris

Title: Technical Director/Representative

Date: 05/02/13

ORGANICS

PESTICIDES

Project Name: 285 NIAGARA ST SITE
Project Number: 0236-001-102 (005)

Lab Number: L1307717
Report Date: 05/02/13

SAMPLE RESULTS

Lab ID: L1307717-01
 Client ID: TP-A (R)
 Sample Location: 285 NIAGARA ST
 Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 05/02/13 11:58
 Analyst: BW
 Percent Solids: 87%

Date Collected: 05/01/13 09:30
 Date Received: 05/01/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 05/02/13 02:38
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 05/02/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
4,4'-DDE	2.84	P	ug/kg	1.76	0.408	1
4,4'-DDD	0.735	J	ug/kg	1.76	0.629	1
4,4'-DDT	5.01		ug/kg	3.31	1.42	1
cis-Chlordane	2.48	P	ug/kg	2.20	0.615	1
Chlordane	35.7		ug/kg	14.3	5.84	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	114		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	96		30-150	B

Project Name: 285 NIAGARA ST SITE**Lab Number:** L1307717**Project Number:** 0236-001-102 (005)**Report Date:** 05/02/13**SAMPLE RESULTS**

Lab ID: L1307717-01
Client ID: TP-A (R)
Sample Location: 285 NIAGARA ST
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 05/02/13 11:58
Analyst: BW
Percent Solids: 87%

Date Collected: 05/01/13 09:30
Date Received: 05/01/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 05/02/13 02:38
Cleanup Method1: EPA 3620B
Cleanup Date1: 05/02/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	1.76	0.346	1
Lindane	ND		ug/kg	0.735	0.329	1
Alpha-BHC	ND		ug/kg	0.735	0.209	1
Beta-BHC	ND		ug/kg	1.76	0.669	1
Heptachlor	ND		ug/kg	0.882	0.396	1
Aldrin	ND		ug/kg	1.76	0.621	1
Heptachlor epoxide	ND		ug/kg	3.31	0.992	1
Endrin	ND		ug/kg	0.735	0.301	1
Endrin ketone	ND		ug/kg	1.76	0.454	1
Dieldrin	2.37		ug/kg	1.10	0.551	1
Endosulfan I	ND		ug/kg	1.76	0.417	1
Endosulfan II	ND		ug/kg	1.76	0.590	1
Endosulfan sulfate	ND		ug/kg	0.735	0.336	1
Methoxychlor	ND		ug/kg	3.31	1.03	1
Toxaphene	ND		ug/kg	33.1	9.26	1
trans-Chlordane	4.49	P	ug/kg	2.20	0.582	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	114		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	96		30-150	B

Project Name: 285 NIAGARA ST SITE
Project Number: 0236-001-102 (005)

Lab Number: L1307717
Report Date: 05/02/13

SAMPLE RESULTS

Lab ID: L1307717-02
 Client ID: TP-B
 Sample Location: 285 NIAGARA ST
 Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 05/02/13 12:11
 Analyst: BW
 Percent Solids: 88%

Date Collected: 05/01/13 10:00
 Date Received: 05/01/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 05/02/13 02:38
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 05/02/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Dieldrin	0.778	JP	ug/kg	1.12	0.561	1
4,4'-DDE	4.48	P	ug/kg	1.79	0.415	1
4,4'-DDD	ND		ug/kg	1.79	0.640	1
4,4'-DDT	4.23		ug/kg	3.36	1.44	1
cis-Chlordane	1.89	JP	ug/kg	2.24	0.625	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	111		30-150	A
Decachlorobiphenyl	41		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: 285 NIAGARA ST SITE
Project Number: 0236-001-102 (005)

Lab Number: L1307717
Report Date: 05/02/13

SAMPLE RESULTS

Lab ID: L1307717-02
 Client ID: TP-B
 Sample Location: 285 NIAGARA ST
 Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 05/02/13 12:11
 Analyst: BW
 Percent Solids: 88%

Date Collected: 05/01/13 10:00
 Date Received: 05/01/13
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 05/02/13 02:38
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 05/02/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	1.79	0.351	1
Lindane	ND		ug/kg	0.748	0.334	1
Alpha-BHC	ND		ug/kg	0.748	0.212	1
Beta-BHC	ND		ug/kg	1.79	0.680	1
Heptachlor	ND		ug/kg	0.897	0.402	1
Aldrin	ND		ug/kg	1.79	0.632	1
Heptachlor epoxide	ND		ug/kg	3.36	1.01	1
Endrin	ND		ug/kg	0.748	0.306	1
Endrin ketone	ND		ug/kg	1.79	0.462	1
Endosulfan I	ND		ug/kg	1.79	0.424	1
Endosulfan II	ND		ug/kg	1.79	0.600	1
Endosulfan sulfate	ND		ug/kg	0.748	0.342	1
Methoxychlor	ND		ug/kg	3.36	1.05	1
Toxaphene	ND		ug/kg	33.6	9.42	1
trans-Chlordane	4.45	P	ug/kg	2.24	0.592	1
Chlordane	33.6		ug/kg	14.6	5.94	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	111		30-150	A
Decachlorobiphenyl	41		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: 285 NIAGARA ST SITE

Lab Number: L1307717

Project Number: 0236-001-102 (005)

Report Date: 05/02/13

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 05/02/13 11:45
 Analyst: BW

Extraction Method: EPA 3546
 Extraction Date: 05/02/13 02:38
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 05/02/13

Parameter	Result	Qualifier	Units	RL	MDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02 Batch: WG605342-1					
Delta-BHC	ND		ug/kg	1.57	0.307
Lindane	ND		ug/kg	0.653	0.292
Alpha-BHC	ND		ug/kg	0.653	0.185
Beta-BHC	ND		ug/kg	1.57	0.594
Heptachlor	ND		ug/kg	0.783	0.351
Aldrin	ND		ug/kg	1.57	0.552
Heptachlor epoxide	ND		ug/kg	2.94	0.881
Endrin	ND		ug/kg	0.653	0.268
Endrin ketone	ND		ug/kg	1.57	0.403
Dieldrin	ND		ug/kg	0.979	0.490
4,4'-DDE	ND		ug/kg	1.57	0.362
4,4'-DDD	ND		ug/kg	1.57	0.559
4,4'-DDT	ND		ug/kg	2.94	1.26
Endosulfan I	ND		ug/kg	1.57	0.370
Endosulfan II	ND		ug/kg	1.57	0.523
Endosulfan sulfate	ND		ug/kg	0.653	0.298
Methoxychlor	ND		ug/kg	2.94	0.914
Toxaphene	ND		ug/kg	29.4	8.22
cis-Chlordane	ND		ug/kg	1.96	0.546
trans-Chlordane	ND		ug/kg	1.96	0.517
Chlordane	ND		ug/kg	12.7	5.19

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	119		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	113		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 285 NIAGARA ST SITE

Project Number: 0236-001-102 (005)

Lab Number: L1307717

Report Date: 05/02/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG605342-2 WG605342-3								
Delta-BHC	83		78		30-150	6		30
Lindane	93		88		30-150	6		30
Alpha-BHC	92		87		30-150	6		30
Beta-BHC	93		93		30-150	0		30
Heptachlor	88		84		30-150	5		30
Aldrin	91		88		30-150	3		30
Heptachlor epoxide	88		83		30-150	6		30
Endrin	91		88		30-150	3		30
Endrin ketone	78		77		30-150	1		30
Dieldrin	87		83		30-150	5		30
4,4'-DDE	86		83		30-150	4		30
4,4'-DDD	77		74		30-150	4		30
4,4'-DDT	76		74		30-150	3		30
Endosulfan I	84		81		30-150	4		30
Endosulfan II	73		70		30-150	4		30
Endosulfan sulfate	72		71		30-150	1		30
Methoxychlor	84		82		30-150	2		30
cis-Chlordane	86		82		30-150	5		30
trans-Chlordane	88		86		30-150	2		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 285 NIAGARA ST SITE

Lab Number: L1307717

Project Number: 0236-001-102 (005)

Report Date: 05/02/13

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

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG605342-2 WG605342-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	123		113		30-150	A
Decachlorobiphenyl	68		58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		87		30-150	B
Decachlorobiphenyl	103		115		30-150	B

INORGANICS & MISCELLANEOUS

Project Name: 285 NIAGARA ST SITE
Project Number: 0236-001-102 (005)

Lab Number: L1307717
Report Date: 05/02/13

SAMPLE RESULTS

Lab ID: L1307717-01
Client ID: TP-A (R)
Sample Location: 285 NIAGARA ST
Matrix: Soil

Date Collected: 05/01/13 09:30
Date Received: 05/01/13
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	86.8		%	0.100	NA	1	-	05/02/13 00:56	30,2540G	RD



Project Name: 285 NIAGARA ST SITE
Project Number: 0236-001-102 (005)

Lab Number: L1307717
Report Date: 05/02/13

SAMPLE RESULTS

Lab ID: L1307717-02
Client ID: TP-B
Sample Location: 285 NIAGARA ST
Matrix: Soil

Date Collected: 05/01/13 10:00
Date Received: 05/01/13
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	-	05/02/13 00:56	30,2540G	RD



Lab Duplicate Analysis
Batch Quality Control**Project Name:** 285 NIAGARA ST SITE**Project Number:** 0236-001-102 (005)**Lab Number:** L1307717**Report Date:** 05/02/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG605335-1 QC Sample: L1307717-01 Client ID: TP-A (R)						
Solids, Total	86.8	85.3	%	2		20

Project Name: 285 NIAGARA ST SITE**Lab Number:** L1307717**Project Number:** 0236-001-102 (005)**Report Date:** 05/02/13**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Reagent H2O Preserved Vials Frozen on: NA**Cooler Information Custody Seal****Cooler**

A

Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1307717-01A	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	TS(7),NYTCL-8081(14)
L1307717-01B	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	TS(7),NYTCL-8081(14)
L1307717-02A	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	TS(7),NYTCL-8081(14)
L1307717-02B	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	TS(7),NYTCL-8081(14)

*Values in parentheses indicate holding time in days

Project Name: 285 NIAGARA ST SITE
Project Number: 0236-001-102 (005)

Lab Number: L1307717
Report Date: 05/02/13

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

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

Terms

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 five times (5x) 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.
- 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 RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers



Project Name: 285 NIAGARA ST SITE
Project Number: 0236-001-102 (005)

Lab Number: L1307717
Report Date: 05/02/13

Data Qualifiers

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.
- 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: 285 NIAGARA ST SITE
Project Number: 0236-001-102 (005)

Lab Number: L1307717
Report Date: 05/02/13

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.
- 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.



Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. **NELAP Accredited Solid Waste/Soil.**

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.

Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.

Drinking Water (Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; Colilert/QT SM9223B; MF-SM9222D.)

Non-Potable Water (Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: 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-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. *Microbiology Parameters:* (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. *NELAP Accredited.*

Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. *Organic Parameters:* 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. *Organic Parameters:* SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. *Organic Parameters:* SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. *NELAP Accredited.*

Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. *Organic Parameters:* EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500CI-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. *Organic Parameters:* SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. *Organic Parameters:* SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. *NELAP Accredited.*

Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. *Organic Parameters:* EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. *Organic Parameters:* EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. *Organic Parameters:* EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO₃-F, 353.2, 4500P-E, 4500SO₄-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311, 1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. **NELAP Accredited.**

Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO₃-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A, 3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P, BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH₃-H, 4500NO₂-B, 4500NO₃-F, 4500S-D, 4500SO₃-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH₃-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. **NELAP Accredited via NJ-DEP.**

Refer to MA-DEP Certificate for Potable and Non-Potable Water.

Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commission on Environmental Quality Certificate/Lab ID: T104704476. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH₃-H, 4500NO₂B, 4500P-E, 4500 S²⁻D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. **NELAP Accredited.**

Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO₃-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.

Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO₃-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Page 24 of 26 *Solid & Hazardous Waste* (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:

EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methyl naphthalenes, Total Dimethyl naphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO₂ in a soil matrix, NO₃ in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

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
Facsimile 518-251-4428

August 6, 2012

Michael Lesakowski
Benchmark Env. Engineers
2558 Hamburg Turnpike Suite 300
Buffalo, NY 14218

RE: **Data Usability Summary Report for the 285-295 Niagara Street Site**
Alpha Analytical Services SDG Nos. L1206819, L1207221, and L1207219

Dear Mr. Lesakowski:

Review has been completed for the data packages noted above, generated by Alpha Analytical Services, that pertain to samples collected between 04/16/12 and 04/23/12 at the 285-295 Niagara Street site. Five soil samples and a soil field duplicate were processed for TCL and STARS volatiles, TCL semivolatiles, TCL PCBs, TCL pesticides, TCL PCBs, and TAL metals. Two soil samples were processed for TCL semivolatiles, TCL PCBs, TCL pesticides, TCL PCBs, and TAL metals. Two soil samples were processed for TCL and STARS volatiles and TCL semivolatiles, and two soil samples were processed for TCL and STARS volatiles. Nine soil samples were processed for TCL semivolatiles. Five aqueous samples and an aqueous field duplicate were analyzed for TCL and STARS volatiles, TCL semivolatiles, TCL PCBs, and TAL metals. Four of those samples and one field duplicate were also processed for TCL pesticides and TCL herbicides. Five sample summa canisters and a field duplicate were analyzed by volatile analytes. The analytical methods utilized are those of the USEPA SW846 6000/7000/8000 and USEPA method TO-15. Selective Ion Monitoring (SIM) was used for many parameters to meet required low reporting limits.

The data packages submitted contain full deliverables for validation, but this usability report is generated from review of the summary form information, with review of sample raw data, and limited review of associated QC raw data. Full validation has not been performed. However, 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
- * Field Duplicate Correlations
- * Preparation/Calibration/Canister Blanks
- * Control Spike/Laboratory Control Samples

- * Instrumental Tunes
- * Calibration/Low Level Standards
- * ICP Serial Dilution
- * Instrument IDLs
- * Sample Result Verification

Those items listed above which show deficiencies are discussed within the text of this narrative. All of the other items were determined to be acceptable for the DUSR level review.

In summary, sample analyses were primarily conducted in compliance with the required analytical protocols. Most sample results are usable either as reported or with qualification. However, the results for one volatile analyte in all samples, one volatile analyte in the aqueous samples, and one semivolatile analyte in one sample, are rejected and not usable.

Copies of the sample identification summaries and the laboratory case narratives are attached to this text, and should be reviewed in conjunction with this report. Also included with the report are client results tables annotated to reflect the qualifications recommended within this report.

The following text discusses quality issues of concern.

Chains-of-Custody

The custody associated with the air samples does not have a final laboratory receipt entry. The preservation should have been entered on the custody associated with the aqueous samples. Writeovers should have been dated and initialed.

Blind Duplicate Evaluations

The blind field duplicates were collected at locations SS-1, SB-03(5-7), and MW-03, and show correlations within validation guidelines.

STARS and TCL Volatile Analyses by EPA 8260B

The laboratory reported results for more analytes than were requested on the custody form.

Samples SB-05(7-9), SB-06(7-9), and SB-18(7-9) were processed using sample analysis weights of 0.05 grams. Volatile analytical protocols allow for lesser sample weights, below the preferred level of 5 grams, but they do not permit levels below 0.5 grams for NYS or USEPA CLP preparation/analysis and 1 gram for USEPA SW846 volatile soil preparation/analysis (method 5035/8260B). This is due both to the potential for a non-homogenous, non-representative aliquot and the disproportionate contribution of human and instrument error when weighing such small quantities. Those factors can result in a significant bias of unknown direction to the reported results. Those samples should have been processed at the medium level. The volatile results for the three samples have been qualified as estimated in value.

The results for ethylbenzene in SB-06(7-9) and for p-diethylbenzene in SB-06(7-9), SB-11(7-9), SB-11(14-15), and SB-18(7-9) are qualified as tentative in identification and estimated in value due to poor spectral quality.

The matrix spikes of MW-04 show recoveries and duplicate correlations that were evaluated are within validation guidelines.

Laboratory Control Samples (LCSs) show analyte recoveries within the laboratory acceptance ranges.

As indicated by the presence of that compound in the associated method blank, the detected results for methylene chloride in the soil samples are considered external contamination, and edited to reflect non-detection.

Due to very low responses (RRFs below <0.01), results for 1,4-dioxane in the samples, and for isopropyl alcohol in the aqueous samples are rejected, and not usable. Other calibration standards showed acceptable responses, with the following exceptions, results for which are to be qualified as estimated in the indicated samples:

- dichlorodifluoromethane, 2,2-dichloropropane, cis-1,3-dichloropropene, trans-1,3-dichloropropene, methyl acetate, naphthalene, and chloromethane (23%D to 39%D) in SB-03 (5-7), SB-04 (9-11), SB-05 (7-9), SB-06 (7-9), SB-11 (7-9), SB-11 (14-15), SB-15 (0-2), SB-18 (7-9), SB-17 (0-2) and BLIND DUP
- 2,2-dichloropropane (22%D) in SB-11 (7-9)
- dichlorodifluoromethane, acetone, 2-butanone, methylcyclohexane, tetrachloroethene, isopropylbenzene, p-diethylbenzene, 4-ethyltoluene, hexachlorobutadiene, t-butylbenzene, sec-butylbenzene, and p-isopropyltoluene (22%D to 34%D) in MW-01, MW-02, MW-03, MW-04, MW-05, BLIND, and TRIP BLANK
- tetrahydrofuran and acetone (low RRF) in the aqueous samples

TCL Semivolatiles by EPA 8270C

The detection of diethyl phthalate in MW-02 is edited to non-detection due to very poor mass spectral quality.

The result for 3,3'-dichlorobenzidine in MW-04 is rejected due to lack of recovery of that compound in the matrix spikes of that sample. Benzoic acid produced a duplicate correlation in those matrix spikes, but the recoveries for the compound are acceptable, so no qualification is made for that analyte.

Matrix spikes of SB-05(0-4) show no recovery for two compounds, but those spikes were analyzed at twofold dilution. The results for affected analytes hexachlorocyclopentadiene and 2,4-dinitrophenol are not rejected, but are qualified as estimated in value. Three of the compounds show elevated duplicate correlations above 50%RPD, but their recoveries were acceptable and no qualification is made to those results.

Surrogate recoveries and internal standard responses meet validation guidelines. Blanks show no contamination.

Some of the samples were analyzed at dilution due to either target or non-target analyte responses. Reporting limits for undetected analytes in those samples are elevated proportionally to the dilution factor.

Calibration standards showed acceptable responses, with the following exceptions, results for which are qualified as estimated in the indicated samples:

- benzaldehyde (28%D) in MW-01, MW-03, MW-04, and MW-05
- hexachlorocyclopentadiene and 2,4-dinitrophenol (25%D and 21%D) in all soil samples except SB-01(0-2), SB-02(3-5), SB-03(5-7), BLIND DUP, SB-04(9-11), and SB-05(0-4)

Some of the aldol condensate TICs were not flagged by the laboratory as such. Their quantitative values were removed from the total TIC concentrations for those samples.

TCL PCB, TCL Pesticide, and TCL Herbicide Analyses by EPA 8081A 8082, and 8151

The following results have been edited to non-detection due to very elevated dual column quantitative correlations:

- t-chlordane in MW-01, MW-02, and MW04
- heptachlor epoxide, 4,4'-DDT, 4,4'-DDE, and t-chlordane in BLIND

The following results have been qualified as estimated in value and tentative n identification due to elevated dual column quantitative correlations:

- heptachlor in SB-04(9-11)
- 4,4'-DDD in MW-01 and BLIND

The following results have been qualified as estimated in value due to elevated dual column quantitative correlations:

- 4,4'-DDD and 4,4'-DDT in MW-01
- 4,4'-DDD, 4,4'-DDE, and 4,4'-DDT in MW-04

Matrix spikes of Aroclors 1016 and 1260 and herbicides in SB-05(0-4) and MW-04, and of pesticides in MW-04 show acceptable recoveries and duplicate correlations. The pesticide matrix spikes of SB-05(0-4) were not analyzed due to the dilution involved. The reason for the fifty-fold dilution of that soil parent sample and spikes is not evident.

Results for methoxychlor in the aqueous samples are to be qualified as estimated due to low responses (28%D and 25%D) in the associated calibration standards.

Some of the samples were analyzed at dilution, at times for reasons not apparent in the raw data, resulting in unnecessarily elevated reporting limits.

TAL Metals Analyses by EPA 6010B, 6020, 7470, and 7471

The metals' fractions of the monitoring wells were not filtered until after laboratory receipt, two days after collection. Therefore, results for all metals in the aqueous field samples are qualified as estimated in value.

The following detected results are edited to reflect non-detection due to presence in the associated method and/or calibration blanks:

- thallium and antimony in the aqueous samples
- beryllium and selenium in soil samples

Matrix spikes (MS/MSD) for TAL metals were performed on MW-04, with acceptable recoveries and duplicate correlations.

The matrix spikes for TAL metals on SB-05(0-4) show outlying recoveries for antimony and zinc (25% to 43%). Results for those two elements in the soil samples are qualified as estimated in value.

The ICP serial dilution evaluations of SB-05(0-4) and MW-04 show acceptable correlations.

Instrument performance was compliant with sample processing.

Volatile Analyses by EPA TO-15

Samples SS-1 and OA-1 were received at ambient pressure. Therefore, reported results for those samples have been qualified as estimated in value.

The results for acetone in SS-2 and IA-2 are to be qualified as tentative in identification and estimated in value due to poor mass spectral quality.

Detected results for acetone in IA-1 and OA-1 are to be qualified as estimated, with a low bias, due to the effect of an interferent on the integration process.

Initial and continuing calibration standard (ICV and CCV) responses are within protocol and validation guidelines, and Laboratory Control Samples (LCSs) show compliant recoveries, with the exception of the following, results for which are to be qualified in the indicated samples.

- tertiary butyl alcohol (50%D) in OA-1, IA-1, IA-2, SS-1, SS-2 and BLIND
- trans-1,2-dichloroethene (33%D) in OA-1, IA-1 and IA-2

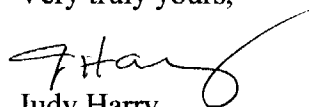
Internal standard responses are within the required limits, and surrogate recoveries are within the required acceptance range. Holding time requirements were met, and instrument tunes meet fragmentation requirements. Method and canister blanks show no contamination.

The laboratory duplicate of IA-1 on the six analytes analyzed by SIM, shows good correlations.

Results for air samples are validated in ppbv, as processed by the laboratory. Conversion factors to ug/m³ were checked on random detected values, and no errors were found.

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.
- UJ** The analyte was not detected. The associated reported quantitation limit is an estimate 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 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
and CASE NARRATIVES**

Project Name: 285-295 NIAGARA ST SITE
Project Number: 0236-001-101

Lab Number: L1206819
Report Date: 04/26/12

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1206819-01	SB-01 (0-2)	285-295 NIAGARA ST.	04/16/12 09:00
L1206819-02	SB-02 (3-5)	285-295 NIAGARA ST.	04/16/12 09:15
L1206819-03	SB-03 (5-7)	285-295 NIAGARA ST.	04/16/12 10:00
L1206819-04	BLIND DUP	285-295 NIAGARA ST.	04/16/12 08:00
L1206819-05	SB-04 (9-11')	285-295 NIAGARA ST.	04/16/12 10:30
L1206819-06	SB-05 (0-4)	285-295 NIAGARA ST.	04/16/12 11:29
L1206819-07	SB-05 (7-9)	285-295 NIAGARA ST.	04/16/12 11:29
L1206819-08	SB-06 (7-9')	285-295 NIAGARA ST.	04/16/12 12:00
L1206819-09	SB-07 (5-7)	285-295 NIAGARA ST.	04/16/12 13:30
L1206819-10	SB-08 (3-5)	285-295 NIAGARA ST.	04/16/12 14:00
L1206819-11	SB-09 (10-12)	285-295 NIAGARA ST.	04/16/12 14:20
L1206819-12	SB-10 (0-1)	285-295 NIAGARA ST.	04/16/12 15:00
L1206819-13	SB-11 (7-9)	285-295 NIAGARA ST.	04/17/12 09:30
L1206819-14	SB-11 (14-15)	285-295 NIAGARA ST.	04/17/12 09:30
L1206819-15	SB-13 (1-3)	285-295 NIAGARA ST.	04/17/12 10:45
L1206819-16	SB-14 (5-7)	285-295 NIAGARA ST.	04/17/12 12:30
L1206819-17	SB-15 (0-2)	285-295 NIAGARA ST.	04/17/12 13:30
L1206819-18	SB-18 (7-9)	285-295 NIAGARA ST.	04/17/12 14:45
L1206819-19	SB-16 (0-2)	285-295 NIAGARA ST.	04/17/12 16:30
L1206819-20	SB-17 (0-2)	285-295 NIAGARA ST.	04/17/12 17:00
L1206819-21	SB-19 (3-5)	285-295 NIAGARA ST.	04/17/12 15:30

Project Name: 285-295 NIAGARA ST SITE
Project Number: 0236-001-102

Lab Number: L1207219
Report Date: 05/02/12

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1207219-01	MW-01	285-295 NIAGARA ST	04/23/12 17:37
L1207219-02	MW-02	285-295 NIAGARA ST	04/23/12 17:00
L1207219-03	MW-03	285-295 NIAGARA ST	04/23/12 15:17
L1207219-04	MW-04	285-295 NIAGARA ST	04/23/12 13:57
L1207219-05	MW-05	285-295 NIAGARA ST	04/23/12 16:22
L1207219-06	BLIND	285-295 NIAGARA ST	04/23/12 08:00
L1207219-07	TRIP BLANK	285-295 NIAGARA ST	04/23/12 00:00

Project Name: 285-295 NIAGRA ST SITE
Project Number: 0236-001-102

Lab Number: L1207221
Report Date: 05/07/12

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1207221-01	SS-1	285-295 NIAGRA ST SITE	04/23/12 19:21
L1207221-02	IA-1	285-295 NIAGRA ST SITE	04/23/12 19:30
L1207221-03	SS-2	285-295 NIAGRA ST SITE	04/23/12 19:22
L1207221-04	IA-2	285-295 NIAGRA ST SITE	04/23/12 19:22
L1207221-05	OA-1	285-295 NIAGRA ST SITE	04/23/12 19:20
L1207221-06	BLIND	285-295 NIAGRA ST SITE	04/23/12 19:31

Project Name: 285-295 NIAGARA ST SITE
Project Number: 0236-001-101

Lab Number: L1206819
Report Date: 04/26/12

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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.

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

Report Submission

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

Project Name: 285-295 NIAGARA ST SITE
Project Number: 0236-001-101

Lab Number: L1206819
Report Date: 04/26/12

Case Narrative (continued)

Volatile Organics

L1206819-08 has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

Semivolatile Organics-SIM

L1206819-01, -06 and -12 have elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

The surrogate recoveries for L1206819-01, -06 and -12 are below the acceptance criteria for 2-Fluorophenol, Phenol-d6, Nitrobenzene-d5, 2-Fluorobiphenyl and 4-Terphenyl-d14 (all at 0%) due to the dilutions required to quantitate the samples. Re-extraction was not required; therefore, the results of the original analyses are reported.

The WG530723-4/-5 MS/MSD, associated with L1206819-06, was not analyzed because the dilution required by the elevated concentrations of non-target compounds present in the sample to be utilized for the MS/MSD would have caused the spike compounds to be diluted below the range of calibration.

Semivolatile Organics

L1206819-01, -06 and -12 have elevated detection limits due to the dilutions required by the elevated concentrations of non-target compounds in the samples.

The WG530722-4 MS recoveries, performed on L1206819-06, were below the acceptance criteria for 3,3'-Dichlorobenzidine (23%) and 2-Nitrophenol (27%); however, the associated LCS/LCSD recoveries were within criteria.

The WG530722-4/-5 MS recoveries, performed on L1206819-06, were below the acceptance criteria for Hexachlorocyclopentadiene and 2,4-Dinitrophenol (all at 0%); however, the associated LCS/LCSD recoveries were within criteria.

The WG530722-4/-5 MS/MSD RPDs, performed on L1206819-06, are above the acceptance criteria for 2,4-Dimethylphenol (51%), 2-Nitrophenol (51%) and Benzyl Alcohol (54%).

Project Name: 285-295 NIAGARA ST SITE
Project Number: 0236-001-101

Lab Number: L1206819
Report Date: 04/26/12

Case Narrative (continued)

Organochlorine Pesticides

L1206819-06 has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

The surrogate recoveries for L1206819-06 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

The WG531361 MS/MSD, performed on L1206819-06, was not analyzed because the dilution required by the elevated concentrations of non-target compounds present in the sample to be utilized for the MS/MSD would have caused the spike compounds to be diluted below the range of calibration.

Metals

L1206819-03 through -06, -08, -09, -17 and -20 have elevated detection limits for all analytes, with the exception of Mercury, due to the dilution required by the sample matrix.

L1206819-03 through -06, -08, -09 and -20 have elevated detection limits for Calcium due to the dilutions required to quantitate the results within the calibration range.

The WG530588-3 MS recovery, performed on L1206819-06, is above the acceptance criteria for Mercury (134%). A post digestion spike was performed with an acceptable recovery of 105%.

The WG530901-3/-4 MS/MSD recoveries for Aluminum (267%/0%), Calcium (7490%/0%), Iron (1600%/0%), Magnesium (1280%/0%) and Manganese (406%/0%), performed on L1206819-06, do not apply because the sample concentrations are greater than four times the spike amount added.

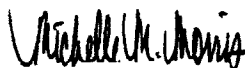
The WG530901-3/-4 MS/MSD recoveries, performed on L1206819-06, are outside the acceptance criteria for Antimony (43%/40%), Potassium (MS at 171%) and Sodium (MS at 132%). A post digestion spike was performed with acceptable recoveries for Antimony (86%), Potassium (123%) and Sodium (118%).

The WG530901-3/-4 MS/MSD recoveries, performed on L1206819-06, are below the acceptance criteria for Zinc (43%/25%). A post digestion spike was performed with an unacceptable recovery of 74%. This has been attributed to sample matrix.

The WG530901-3/-4 MS/MSD RPDs, performed on L1206819-06, are above the acceptance criteria for Calcium (44%) and Magnesium (36%).

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

Authorized Signature:

 Michelle M. Morris

Title: Technical Director/Representative

Date: 04/26/12

Project Name: 285-295 NIAGARA ST SITE
Project Number: 0236-001-102

Lab Number: L1207219
Report Date: 05/02/12

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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 free of charge for 30 days from the date the project is completed. After 30 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.

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

Project Name: 285-295 NIAGARA ST SITE
Project Number: 0236-001-102

Lab Number: L1207219
Report Date: 05/02/12

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 WG532808-4/-5 MS/MSD recoveries, performed on L1207219-04, were above the acceptance criteria for Chloroethane (162%/166%), Vinyl acetate (144%/151%), 2-Hexanone (133%/141%), and Ethyl ether (154%/156%).

Semivolatile Organics

The WG532033-4/-5 MS/MSD recoveries, performed on L1207219-04, are outside the acceptance criteria for 3,3'-Dichlorobenzidine (15%/3%), 2,4-Dinitrotoluene (MSD at 100%), P-Chloro-M-Cresol (MSD at 110%), and 4-Nitrophenol (MSD at 83%).

The WG532033-4/-5 MS/MSD RPD, performed on L1207219-04, is above the acceptance criteria for 3,3'-Dichlorobenzidine (127%).

PCBs

L1207219-05 has an elevated detection limit due to limited sample volume available for analysis.

Pesticides

The dual column RPDs for L1207219-01, -02, and -04 are above the acceptance criteria for trans-Chlordane; however, obvious column interferences are present. Due to these interferences, the lower of the two results is reported and qualified with a "P".

The dual column RPDs for L1207219-06 are above the acceptance criteria for Heptachlor epoxide and trans-Chlordane; however, obvious column interferences are present. Due to these interferences, the lower of the two results is reported and qualified with a "P".

Metals

Project Name: 285-295 NIAGARA ST SITE
Project Number: 0236-001-102

Lab Number: L1207219
Report Date: 05/02/12

Case Narrative (continued)

The WG532085-3/-4 MS/MSD recoveries, performed on L1207219-04, are above the acceptance criteria for Mercury (145%/151%); however, the associated LCS recovery was within criteria. No further action was taken.

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:



Cynthia McQueen

Title: Technical Director/Representative

Date: 05/02/12

Project Name: 285-295 NIAGRA ST SITE
Project Number: 0236-001-102

Lab Number: L1207221
Report Date: 05/07/12

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.

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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 free of charge for 30 days from the date the project is completed. After 30 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.

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

Project Name: 285-295 NIAGRA ST SITE
Project Number: 0236-001-102

Lab Number: L1207221
Report Date: 05/07/12

Case Narrative (continued)

REISSUE

Report Submission

This report replaces the report issued on May 2, 2012. The original report was missing the TO-15SIM duplicate analysis WG532333-5.

Volatile Organics in Air

Canisters were released from the laboratory on April 13, 2012.

The canister certification results are provided as an addendum.

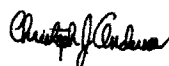
L1207221-02 through -05 results for Acetone should be considered estimated due to co-elution with a non-target peak.

WG532332-3: Please note that 1,2,4,5-Tetramethylbenzene is not included in the spiking solution for this LCS.

L1207221-06 The RPD of the pre- and post-flow controller calibration check (21% RPD) was outside acceptable limits ($<$ or $=$ 20% RPD). The final pressure measured at the laboratory for the canister associated with this sample was -9.3 inches of mercury.

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:

 Christopher J. Anderson

Title: Technical Director/Representative

Date: 05/07/12

Data Validation Services

120 Cobble Creek Road P.O. Box 208
North Creek, NY 12853

Phone 518-251-4429
harry@frontiernet.net

March 22, 2013

Michael Lesakowski
Benchmark Env. Engineers
2558 Hamburg Turnpike Suite 300
Buffalo, NY 14218

RE: **Data Usability Summary Report** for the 285-295 Niagara Street Site
Alpha Analytical Services SDG Nos. L1223501, L1300057, L1300131, L1300134, L1300311,
L1300392, L1300394, L1300502, L1300658, L1300928 and L1301024

Dear Mr. Lesakowski:

Review has been completed for the data packages noted above, generated by Alpha Analytical Services, that pertain to samples collected between 12/27/12 and 01/16/13 at the 285-295 Niagara Street site. Two soil samples were processed for Target Analyte List (TCL) and STARS volatiles, TCL semivolatiles, TCL PCBs, TCL pesticides, TCL herbicides, TCL PCBs, and TAL metals. Forty three soil samples and three field duplicates were processed for TCL and STARS volatiles. Two soil samples were processed for TCL and STARS volatiles and TCL semivolatiles, two soil samples were processed for TCL and STARS volatiles and STARS semivolatiles, and one sample was processed for TCL semivolatiles and TAL metals. The analytical protocols utilized are those of the USEPA SW846 6000/7000/8000.

The data packages submitted contain full deliverables for validation, but 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. Full validation has not been performed. However, 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
- * Field Duplicate Correlations
- * Preparation/Calibration/Canister 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, sample analyses were primarily conducted in compliance with the required analytical protocols. Most sample results are usable either as reported or with qualification. However, the results for one volatile analyte in all samples and one semivolatile analyte in one sample, are rejected and not usable. Other concerns are that many of the metals results are qualified as estimated due to an apparent matrix effect, and the laboratory is not using the proper QC acceptance ranges in the organic analyses.

Copies of the sample identification summaries are attached to this text, and should be reviewed in conjunction with this report. Also included with the report are client results tables annotated to reflect qualifications recommended within this report, where possible. Because the client tables report only analytes showing detection, not all qualifiers could be entered thereupon. Specifically, the rejected data for 1,4-dioxane in all samples, the rejected data point for 3,3-dichlorobenzidine in one sample, qualification of some of the reporting limits as estimated, and qualification of field duplicates have not been applied.

The following text discusses quality issues of concern.

Chains-of-Custody

Edits to the custody should have been dated and initialed.

The year is not present on the collection date of 1/15/13. The laboratory receipt date of 01/17/13 shows a minor entry error (the year shows “3” rather than “13”).

The timeframe between sample collection and laboratory receipt exceeded the two day NYS requirement. Sample condition at receipt was acceptable, and technical holding times were met. Therefore, no qualification to the data is made

Blind Duplicate Evaluations

The blind field duplicates were collected at locations SW-1, SW-35, and SW-7, and show correlations within validation guidelines.

STARS and TCL Volatile Analyses by EPA 8260B

The following samples exhibited low recoveries for surrogate dibromochloromethane, and results for all analytes in the samples have been qualified as estimated: SW-4, SW-6, SW-11, SW-29, SW-32, SW-35, and BLIND DUP. The laboratory is utilizing an acceptance range of 70% to 130% for all surrogates. They should have determined their specific laboratory acceptance ranges.

The results for the following sample are qualified as tentative in identification and estimated in value due to poor spectral quality:

- n-butylbenzene, sec-butylbenzene, and 1,3,5-trimethylbenzene in SW-33 and BOTTOM 5
- sec-butylbenzene in SW-2 and SW-24
- 2-butanone in BLIND DUP (collected 12/27/12)
- benzene in BOTTOM-4
- n-butylbenzene, sec-butylbenzene, and 1,3,5-trimethylbenzene in SW-33 and BOTTOM 5
- toluene and sec-butylbenzene in SW-22

The matrix spikes of SW-16 show recoveries and duplicate correlations that were evaluated are within validation guidelines.

The matrix spikes of Bottom 12 show numerous outliers, as noted in the laboratory case narrative, with most falling between 40% and 70% recovery. However, it is noted that the recoveries for target analyte toluene in those spikes are 65% and 58%, while the recoveries of surrogate standard d8-toluene are acceptable at 85% and 80%. Those recoveries should be quite similar. A laboratory processing anomaly is suspected, and no qualification is made to the results of that parent sample.

The matrix spikes of Bottom 1 show the following applicable outliers, results for which are qualified as estimated in the parent sample:

<u>Parent Sample</u>	<u>Element</u>	<u>%Recoveries</u>
BOTTOM 1	vinyl acetate	61 and 60
	1,2-dibromo-3-chloropropane	67 and 63
	acrylonitrile	67 and 65
	1,2,3-trichlorobenzene	63 and 55
	1,2,4-trichlorobenzene	68 and 59

Laboratory Control Samples (LCSs) show analyte recoveries within the limits utilized, with the exception of elevated recoveries for analytes not detected in the associated samples, and that for acetone (151%) in the LCS associated with Site Gravel. The result for acetone in that sample has been qualified as estimated, and may have a high bias.

The laboratory is utilizing an acceptance range of 70% to 130% for matrix spikes and LCSs. They should have determined their specific laboratory acceptance ranges.

As indicated by the their presence in the associated method blanks, the detected results for methylene chloride and certain of the Tentatively Identified Compounds (TICs) in the soil samples are considered external contamination, and edited to reflect non-detection.

Due to very low responses (RRFs below <0.01), results for 1,4-dioxane in the samples are rejected, and not usable. Other calibration standards showed acceptable responses, with the following exceptions, results for which are to be qualified as estimated in the indicated samples:

- acetone and 2-butanone (46%D and 27%D) in BOTTOM 1, SW-1, SW-2 SW-3 and SW-4
- acetone (36%D) detections in samples reported in L1300057
- dichlorodifluoromethane and bromomethane (21%D and 26%D) in BOTTOM 5 and SW-15
- bromomethane (21%D) in samples reported in L1301024

- trans-1,4-dichloro-2-butene, methyl acetate, tetrahydrofuran, and 1,2-dibromo-3-chloropropane (21%D and 33%D) in SW-24
- dichlorodifluoromethane, bromomethane (21%D and 26%D) in SW-33, SW-34, SW-35, BOTTOM13 and BLIND DUP
- methyl acetate, diisopropyl ether, ethyl acetate, tetrahydrofuran, 2-hexanone, trans-1,4-dichloro-2-butene, and 1,2-dibromo-3-chloropropane (21%D to 24%D) in SW-22, SW-23, BOTTOM 8, SW-25, BOTTOM 9, SW-26, SW-27 and BOTTOM 10
- the reporting limits for dichlorodifluoromethane should be edited upward by a factor of 4 in the samples reported in SDG L1300928 due to the fact that detection in the lowest level calibration standard required manual intervention

TCL Semivolatiles by EPA 8270C

The result for 3,3'-dichlorobenzidine in SITE GRAVEL is rejected due to lack of recovery of that compound in the associated LCS. 3-Nitrophenol produced low recovery (14%) in that LCS, and the result for that compound in the sample has been qualified as estimated in value.

Other LCSs show recoveries within action limits, with the following exceptions, results for which are qualified as estimated in the indicated samples:

- bis(2-chloroisopropyl) ether and hexachlorocyclopentadiene (23%D and 26%D) in Bottom 3 and SW-8
- 4-chloroaniline (29% and 30%) in SOIL REUSE COMP 1

Surrogate recoveries were within utilized ranges, and internal standard responses are within required range. Blanks show no contamination.

The laboratory is utilizing an acceptance range of 70% to 130% for surrogates, matrix spikes, and LCSs. They should have determined their specific laboratory acceptance ranges.

Calibration standards showed acceptable responses, with the following exceptions, results for which are qualified as estimated in the indicated samples:

- 4-nitrophenol (35%D) in INPLACE GRAVEL
- 2-nitrophenol (20%RSD) in SITE GRAVEL
- hexachlorocyclopentadiene (21%D) in SOIL REUSE COMP 1

TCL PCB, TCL Pesticide, and TCL Herbicide Analyses by EPA 8081A, 8151, and 8082

No project matrix spikes were performed. LCS recoveries and duplicate correlations are within utilized ranges and limits.

Holding times were met, and blanks show no contamination. Surrogate recoveries are within utilized ranges. Calibration standards show acceptable responses.

The laboratory is utilizing an acceptance range of 70% to 130% for surrogates, matrix spikes, and LCSs. They should have determined their specific laboratory acceptance ranges.

Some of the sample pesticide chromatograms were not scaled to ASP requirements; surrogate responses, as well as potential target analyte responses, are dwarfed.

TAL Metals Analyses by EPA 6010B and 7471

The following matrix spike recoveries/duplicate correlations that are outside validation action limites were observed, and results for the listed metals are qualified as estimated in the indicated parent samples:

<u>SDG No.</u>	<u>Parent Sample</u>	<u>Element</u>	<u>%Recovery</u>	<u>%RPD</u>
L1300134	INPLACE GRAVEL	potassium	166	56
		antimony	50	
		lead	49	
		zinc	62	
		copper		
L1300392	SOIL REUSE COMP 1	antimony	40	
		chromium	73	
		nickel	69	
		potassium	45	
		sodium	63	
		thallium	66	
		zinc	74	
L1300928	SITE GRAVEL	antimony	34	
		cadmium	70	
		chromium	71	
		cobalt	67	
		lead	65	
		nickel	62	
		sodium	64	
		thallium	70	
		mercury	148	
		zinc		138

The following ICP serial dilution correlations falls above the validation action limit, and results for the listed elements are qualified as estimated in the indicated samples:

<u>Parent Sample</u>	<u>Element</u>	<u>%Difference</u>
SOIL REUSE COMP 1	vanadium	17
	zinc	12
	sodium	37
	lead	22
	copper	12
INPLACE GRAVEL	aluminum	11
	chromium	16
	copper	18
	lead	14
	nickel	16
	potassium	20
	sodium	143

Parent Sample	Element	%Difference
SITE GRAVEL	aluminum	18
	barium	14
	chromium	20
	copper	18
	iron	17
	lead	20
	manganese	20
	nickel	25
	potassium	14
	sodium	70
	vanadium	17
	zinc	15

The laboratory performed serial dilution evaluations using the RL instead of the MDL. Validation evaluation was performed using the proper MDL concentrations in the algorithm.

Calibration standards and LCS recoveries meet protocol requirements. Blanks show no contamination above the reporting limits.

Data Package Completeness

Although TCL and STARS volatiles were requested, the analyte list reported by the laboratory was much more extensive, but did not include USEPA TCL compounds cyclohexane and methylcyclohexane. These are not analytes of concern at the site, and no clean up objectives apply. The processing did not include those compounds; laboratory corrective action has been made to include those compounds in future analyses.

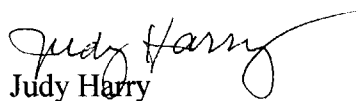
Metals and QC report forms do not show the laboratory flags indicating outlying QC parameters. The metals serial dilution evaluations were incorrectly performed. Validation evaluation was done per the method requirements.

Method Detection Limit (MDL) studies are out of date, and should be updated.

The "B" flag was not properly applied to organic analyte/TIC components also present in the associated method blanks.

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.

UJ The analyte was not detected. The associated reported quantitation limit is an estimate 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 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: 285 NIAGARA
Project Number: 0236-001-101

Lab Number: L1223501
Report Date: 01/17/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1223501-01	BOTTOM 1	285 NIAGARA ST	12/27/12 15:30
L1223501-02	SW-1	285 NIAGARA ST	12/27/12 15:35
L1223501-03	SW-2	285 NIAGARA ST	12/27/12 16:20
L1223501-04	BLIND DUP	285 NIAGARA ST	12/27/12 08:00
L1223501-05	SW-3	285 NIAGARA ST	12/28/12 14:00
L1223501-06	SW-4	285 NIAGARA ST	12/28/12 14:15

Project Name: 285 NIAGARA ST
Project Number: 0236-001-101

Lab Number: L1300057
Report Date: 01/07/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1300057-01	SW-6	285 NIAGARA ST	12/31/12 12:50
L1300057-02	SW-7	285 NIAGARA ST	12/31/12 13:00
L1300057-03	SW-5	285 NIAGARA ST	12/31/12 12:35
L1300057-04	BOTTOM-2	285 NIAGARA ST	12/31/12 12:30
L1300057-05	BOTTOM-3	285 NIAGARA ST	01/02/13 08:45
L1300057-06	SW-8	285 NIAGARA ST	01/02/13 09:30
~~L1300057-07~~	~~SW-9~~	285 NIAGARA ST	01/02/13 09:45
L1300057-08	SW-10	285 NIAGARA ST	01/02/13 10:30
L1300057-09	SW-11	285 NIAGARA ST	01/02/13 11:30
L1300057-10	SW-12	285 NIAGARA ST	01/02/13 15:30
L1300057-11	SW-13	285 NIAGARA ST	01/02/13 15:40
L1300057-12	SW-14	285 NIAGARA ST	01/02/13 15:45
L1300057-13	BOTTOM-4	285 NIAGARA ST	01/02/13 15:55

Project Name: 285 NIAGARA ST
Project Number: 0236-001-101

Lab Number: L1300131
Report Date: 01/24/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1300131-01	BOTTOM 5	285 NIAGARA ST	01/03/13 13:30
L1300131-02	SW-15	285 NIAGARA ST	01/03/13 15:40

Project Name: 285 NIAGARA ST
Project Number: 0236-001-101

Lab Number: L1300134
Report Date: 01/10/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1300134-01	INPLACE GRAVEL	285 NIAGARA ST	01/03/13 14:00

Project Name: 285 NIAGARA ST
Project Number: 0236-001-101

Lab Number: L1300311
Report Date: 01/14/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1300311-01	BOTTOM 6	285 NIAGARA ST	01/07/13 09:30
L1300311-02	SW-16	285 NIAGARA ST	01/07/13 10:00
L1300311-03	SW-17	285 NIAGARA ST	01/07/13 10:30
L1300311-04	SW-19	285 NIAGARA ST	01/07/13 13:30
L1300311-05	BLIND DUP	285 NIAGARA ST	01/07/13 08:00

Project Name: 285 NIAGARA ST
Project Number: 0236-001-101

Lab Number: L1300502
Report Date: 01/15/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1300502-01	SW-22	285 NIAGARA ST	01/09/13 10:00
L1300502-02	SW-23	285 NIAGARA ST	01/09/13 10:15
L1300502-03	BOTTOM 8	285 NIAGARA ST	01/09/13 10:20
L1300502-04	SW-24	285 NIAGARA ST	01/09/13 11:30
L1300502-05	SW-25	285 NIAGARA ST	01/09/13 11:40
L1300502-06	BOTTOM 9	285 NIAGARA ST	01/09/13 11:45
L1300502-07	SW-26	285 NIAGARA ST	01/09/13 13:50
L1300502-08	SW-27	285 NIAGARA ST	01/09/13 13:55
L1300502-09	BOTTOM 10	285 NIAGARA ST	01/09/13 14:00

Project Name: 285 NIAGARA ST.
Project Number: 0236-001-101

Lab Number: L1300392
Report Date: 01/11/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1300392-01	SOIL REUSE GRAB 1	285 NIAGARA ST.	01/08/13 13:45
L1300392-02	SOIL REUSE GRAB 2	285 NIAGARA ST.	01/08/13 13:45
L1300392-03	SOIL REUSE GRAB 3	285 NIAGARA ST.	01/08/13 13:45
L1300392-04	SOIL REUSE COMP 1	285 NIAGARA ST.	01/08/13 13:45

Project Name: 285 NIAGARA ST.
Project Number: 0236-001-101

Lab Number: L1300394
Report Date: 01/14/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1300394-01	SW-18	285 NIAGARA ST.	01/08/13 10:20
L1300394-02	BOTTOM 7	285 NIAGARA ST.	01/08/13 11:30
~~L1300394-03~~	~~SW-20~~	285 NIAGARA ST.	01/08/13 14:00
~~L1300394-04~~	~~SW-21~~	285 NIAGARA ST.	01/08/13 14:30

Project Name: 285 NIAGARA ST
Project Number: 0236-001-101

Lab Number: L1300658
Report Date: 01/17/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
~~L1300658-01~~	~~SW-28~~	285 NIAGARA ST	01/10/13 08:45
L1300658-02	BOTTOM 11	285 NIAGARA ST	01/10/13 09:15
L1300658-03	SW-29	285 NIAGARA ST	01/10/13 10:00
L1300658-04	SW-30	285 NIAGARA ST	01/10/13 10:15
L1300658-05	SW-31	285 NIAGARA ST	01/10/13 11:00
L1300658-06	SW-32	285 NIAGARA ST	01/10/13 13:00
L1300658-07	BOTTOM 12	285 NIAGARA ST	01/10/13 13:30



Project Name: 285 NIAGARA
Project Number: 0236-001-101

Lab Number: L1300928
Report Date: 01/24/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1300928-01	SITE GRAVEL	Not Specified	01/15/13 12:00

Project Name: 285 NIAGARA ST.
Project Number: 0236-001-101

Lab Number: L1301024
Report Date: 01/23/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1301024-01	SW-33	285 NIAGARA ST.	01/16/13 10:30
L1301024-02	SW-34	285 NIAGARA ST.	01/16/13 11:30
L1301024-03	SW-35	285 NIAGARA ST.	01/16/13 11:45
L1301024-04	BOTTOM 13	285 NIAGARA ST.	01/16/13 12:00
L1301024-05	BLIND DUP	285 NIAGARA ST.	01/16/13 08:00

APPENDIX E

LAND USE EVALUATION

APPENDIX E

LAND USE EVALUATION

NYSDEC's Part 375 regulations require that the reasonableness of the anticipated future land be factored into the evaluation of remedial alternatives. The regulations identify 16 criteria that must be considered. These criteria and the resultant outcome for the 285-295 Niagara Street Site are presented below.

1. *Current use and historical and/or recent development patterns:* The 285-295 Niagara Street Site was formerly used as a manufacturing operation, automobile filling station, and car wash facility, located in a historically mixed residential, commercial, and industrial area in the City of Buffalo. The Site is presently being redeveloped into a mixed-use residential and commercial development. **Accordingly, residential/commercial site redevelopment would be consistent with historic site use.**
2. *Applicable zoning laws and maps:* The Site is located in an area of the City zoned for Commercial use. **Continued use in a residential/commercial capacity is therefore consistent with current zoning.**
3. *Brownfield opportunity areas as designated set forth in GML 970-r:* The Brownfield Opportunity Area (BOA) Program provides municipalities and community based organizations with assistance to complete revitalization plans and implementation strategies for areas or communities affected by the presence of brownfield sites, and site assessments for strategic sites. **The subject property does not lie within a BOA.**
4. *Applicable comprehensive community master plans, local waterfront revitalization plans as provided for in EL article 42, or any other applicable land use plan formally adopted by a municipality:* The 285-295 Niagara Street Site does not fall within the boundaries of any designated Buffalo redevelopment plan. **Sites outside of such designated revitalization or waterfront development areas are not likely to require rezoning or change in use.**

APPENDIX E

LAND USE EVALUATION

5. *Proximity to real property currently used for residential use, and to urban, commercial, industrial, agricultural and recreational areas:* The surrounding land is mixed use, including residential, commercial, and industrial use parcels. **Nearby and adjacent property mixed use, including residential and commercial. Maintaining the use of the Site in a residential/commercial capacity is consistent with surrounding property.**
6. *Any written and oral comments submitted by members of the public on the proposed use as part of the activities performed pursuant to the citizen participation plan:* **No comments have been received from the public relevant to Site use concerns.**
7. *Environmental justice concerns, which include the extent to which the proposed use may reasonably be expected to cause or increase a disproportionate burden on the community in which the site is located, including low-income minority communities, or to result in a disproportionate concentration of commercial or industrial uses in what has historically been a mixed use or residential community:* **Nearby and adjacent property is actively used in a commercial and residential capacity. Maintaining use of the site in a residential/commercial capacity does not pose environmental justice issues.**
8. *Federal or State land use designations:* The property is designated Commercial Land Use by the City of Buffalo (GIS). **Reuse in a restricted capacity (residential/commercial) is consistent with the current land use designation.**
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. **Reuse of the Site in a residential/commercial capacity expands opportunities for residential growth.**

APPENDIX E

LAND USE EVALUATION

10. *Accessibility to existing infrastructure:* Access to the Site is from Niagara Street. Utilities (sewer, water, and electric) are present along Niagara Street. **Existing infrastructure supports reuse in a residential/commercial capacity.**
11. *Proximity of the site to important cultural resources, including federal or State historic or heritage sites or Native American religious sites:* **No such resources or sites are known to be present on or adjacent to the Site.**
12. *Natural resources, including proximity of the site to important federal, State or local natural resources, including waterways, wildlife refuges, wetlands, or critical habitats of endangered or threatened species:* The Erie County Internet Mapping System shows that no State or Federal wetlands exist on the subject property. Lake Erie and the Niagara River are located approximately 0.25 miles west of the Site. **Cleanup to unrestricted use conditions and the absence of significant ecological resources on or adjacent to the Site will not pose an ecological threat.**
13. *Potential vulnerability of groundwater to contamination that might emanate from the site, including proximity to wellhead protection and groundwater recharge areas and other areas identified by the Department and the State's comprehensive groundwater remediation and protection program established set forth in ECL article 15 title 31:* Groundwater at the Site is assigned Class "GA" by 6NYCRR Part 701.15. Five groundwater monitoring wells were installed on Site as part of the RI. Groundwater data obtained during the RI indicated low-level residual impacts from VOCs and nickel at well MW-01; and naturally occurring metals across the Site. Source areas removed during IRM activities to Unrestricted Use SCOs and natural degradation/attenuation is expected to decrease concentrations over time. There are no groundwater supply wells present on the Site. Regionally, groundwater in the area has not been developed for industrial, agriculture, or public supply purposes. Potable water service is provided off-site and on-site by the local municipal water authority. **The absence of potable wells, wellhead**

APPENDIX E

LAND USE EVALUATION

protection and groundwater recharge areas indicates that cleanup to unrestricted use conditions will not pose a drinking water threat.

14. *Proximity to flood plains:* The Erie County Internet Mapping System indicates that Lake Erie and The Niagara River are located approximately 0.25-miles west from the Site have designated flood zones. No flood zones are present on the property; there is no risk of significant soil erosion due to flooding. **As such, cleanup to unrestricted standards does not pose a threat to surface water.**
15. *Geography and geology:* The Site is 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), glaciolacustrine deposits, recent alluvium, and the soils derived from these deposits. Surface soils within the vicinity of the Site are described as Urban Land (Ud) with 0-3 percent slopes. This is indicative of the level to gently sloping land with at least 40 percent of the soil surface covered by asphalt, concrete, buildings, or other impervious structures typical of an urban environment. Former development activities covered the Site in asphalt, concrete and building foundations. **Geography and geology are consistent with a residential/commercial re-use.**
16. *Current institutional controls applicable to the site:* **No institutional controls are currently present that would affect redevelopment options.**

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

APPENDIX F

ELECTRONIC COPY OF RI/IRM/AA REPORT